MAULANA AZAD MEDICAL COLLEGE

&

Associated Hospitals

61st Annual Report 2019

61st College Annual Report 2019

MAULANA AZAD MEDICAL COLLEGE
&
ASSOCIATED HOSPITALS

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I ♥ MAMC

सत्यमेव जयते

Dean's Message

It is a great honour and privilege for me to present the annual report 2019 of the Maulana Azad Medical College (MAMC) and its associated Lok Nayak Hospital / GB Pant Institute of Postgraduate Medical Education & Research / Guru Nanak Eye Centre on the occasion of 61st Annual Day. MAMC is a premier Medical College of the Country. We are committed to training the next generation of physician-scientists, while setting the highest standards for patient care and research.

This year the new competency based curriculum has been introduced with MBBS 1st year students. Several academic activities have been undertaken towards integration of Medical Education in the year 2019. The college has been striving to improve the teaching and training methods, especially with a view to incorporate AETCOM & e-learning methods. The faculty has contributed significantly both Nationally and Internationally. The Institution has also been working to improve the infrastructure facilities & making the campus green and environmentally friendly. Several projects have been initiated towards this end & many have been successfully completed.

I believe this Annual Report will provide a showcase of the various activities which have taken place this year.

(Prof) Dr. Sushil Kumar
Dean, MAMC

Head of the Hospitals

Dr. Achal Gulati
Medical Director
G B Pant Institute of Postgraduate
Medical Education & Research
(GIPMER)

Dr. Kishor Singh
Medical Director
Lok Nayak Hospital

Dr. Ritu Arora
Director
Guru Nanak Eye Centre

Dr. Sangeeta Talwar
Director Principal
Maulana Azad Institute of
Dental Science (MAIDS)

Head of the Departments

Dr. Kirti Nath Saxena
Anaesthesiology

Dr. Sabita Mishra
Anatomy

Dr Vishnu Datt
Anesthesiology
(GIPMER)

Dr. B. C. Koner
Biochemistry

Dr. Manju Subberwal
Biochemistry (GIPMER)

Dr. Saibal Mukhopadhyay
Cardiology (GIPMER)

Dr. Nandini Sharma
Community Medicine

Dr. M A Geelani
CTVS (GIPMER)

Dr. Bijaya Laxmi Sahoo
Dermatology & STD

Dr. Ishwar Singh
ENT

Dr. Anil Kumar Mittal
Forensic Medicine

Dr. Anil Agarwal
G.I. Surgery (GIPMER)

Head of the Departments

Dr. A. S. Puri
Gastro, GIPMER

Dr. Devender Kumar
Medical Education

Dr. R. S. Ahlawa
Medicine

Dr. Sonal Saxena
Microbiology

Dr. Poonam S. Loomba
Microbiology (GIPMER)

Dr. Ajay Kumar
Neonatology

Dr. Debashish Chowdhury
Neurology, GIPMER

Dr. Daljeet Singh
Neuro-Surgery (GIPMER)

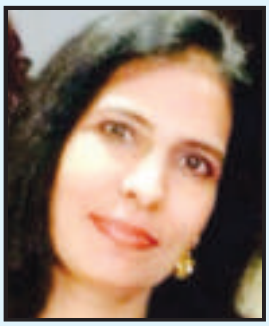
Dr. Asmita Rathore
Obstt. & Gynaecology

Dr. Ritu Arora
Ophthalmology

Dr. Vinod Kumar
Orthopaedic

Dr. Simmi K Rattan
Paediatric Surgery

Head of the Departments



Dr. Nita Khurana
Pathology

Dr. Pooja Sakuja
Pathology (GIPMER)

Dr Vandana Roy
Pharmacology

Dr. V.P. Varshney
Physiology

Dr. Prabhat Shrivastava
Plastic Surgery

Dr. Naresh Kumar
Pulmonary Medicine

Dr. Anju Garg
Radio-diagnosis

Dr Sunil Kumar Puri
Radiodiagnosis, GIPMER

Dr. A K Rathi
Radio-therapy

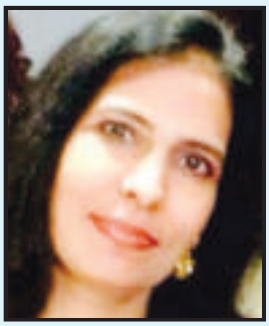
Dr. Pawanindra Lal
Surgery

ANNUAL REPORT COMMITTEE

Dr. Aarti Sood Mahajan
Convenor

Dr. Daljeet Singh
Member

Dr Debashish Chowdhury
Member



Dr Nita Khurana
Member

Dr Preeti Jain
Member

Dr Nidhi Verma
Member

Shri Rajesh Sachdeva
Registrar (Academic)

Shri Yuganshu Luthra
Academic Section

Shri Baby M. P.
Research Cell

Shri Devanand
Academic Section

Shri Sohan Singh Rawat
Photography Section

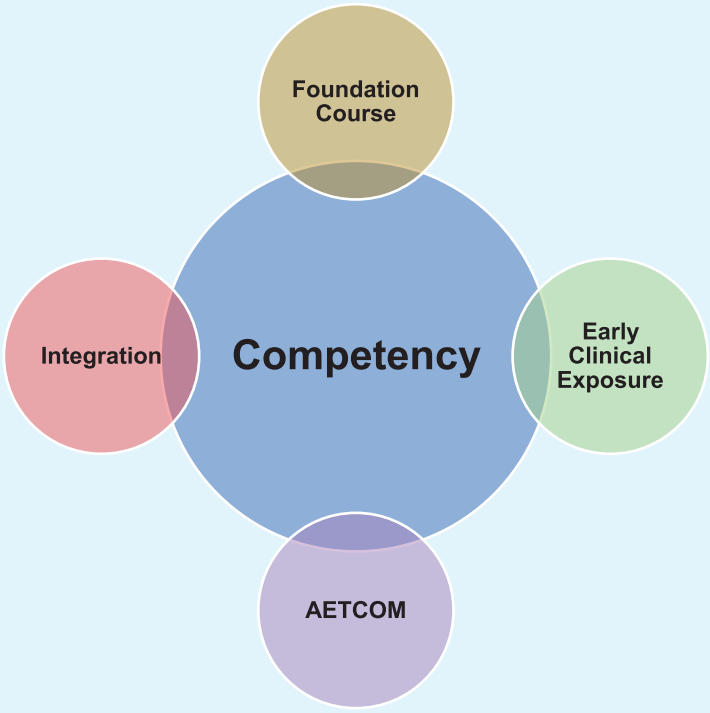
Previous Annual Day

International Yoga Day

STUDENTS ACTIVITIES

Competency based Curriculum

New Beginnings – Batch 2019



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PART I

GENERAL INFORMATION ON COLLEGE & HOSPITALS

MAULANA AZAD MEDICAL COLLEGE

Maulana Azad Medical College & associated hospital complex consists Maulana Azad Medical College, Lok Nayak Hospital, GIPMER and Guru Nanak Eye Centre and Maulana Azad Dental College & Hospital. The college was established 23 years after the commissioning of the Irwin Hospital, a well-established general hospital drawing patients mainly from Delhi and from neighbouring states of Punjab, Haryana, Uttar Pradesh, Himachal Pradesh &Rajasthan. This ideally situated general hospital, with long years of reputation paved the way for realization of this medical college. The College made its humble beginning in hospital block of Irwin (Lok Nayak) hospital in 1958. In 1964, Govind Ballabh Pant was added to the complex to provide training facilities and super-specialties. It is renamed in 2014 as GB Pant Institute of Post Graduate Medical Education and Research.The Guru Nanak Eye Centre came into existence on 20th December 1977 with the commissioning of a separate Out Patient Department for ophthalmic disease.

The college is named after a great patriot and educationist, Maulana Abul Kalam Azad. The foundation of main building of the college was laid by Pandit Govind Ballabh Pant, the then Home Minister of India on 24th October 1959. The building was declared open by the 1st Prime Minister of India, Pandit Jawahar Lal Nehru on February 26, 1961. Since its foundation, the college has success-fully trained 9083 Medical Graduates, and 4746 Post Graduates. The College has now completed 60 years and has emerged as one of the premier medical institutions of India.

The steady growth of MAMC is the outcome of sound traditions, established by the leadership in the formative years, reinforced with a relentless and continuing struggle by the dedicated faculty and the disciplined students. The primary aim of this institution is to produce competent basic doctors, specialists and super specialists. It has endeavored to promote all facilities conducive to learning and furtherance of knowledge by:

- Contribution towards national health care delivery system by providing efficient and expert medical services through the associated hospitals.
- Establishing routine and specialized laboratories of excellence and other investigative facilities.
- Pursuance of objectives of medical education by improving the course contents, continuing education and strengthening of research activities.
- Extending medical support to the local authorities for health care programmes.
- Extending health care facilities to above 1,00,000 rural urban population of Delhi through its organized centers in the community.

The institute is currently ranked 4thin the country by India Today Survey 2019 and is spread over a campus occupying 122 acres. Attached to the college are four hospitals – Lok Nayak Hospital, GB Pant Institute of Postgraduate Medical Education & Research, Maulana Azad Institute of Dental sciences and Guru Nanak Eye Center. It is one of the best places for learning with 2800 beds, 7200 daily outpatient attendance and 47 operation theatres running daily. It caters to 290 undergradtuate students, 245 post graduate and post doctoral students per year being trained by 426 faculty members and 810 resident doctors.

OFFICERS OF MAMC COMPLEX
(as on Annual Day)

Dean, MAMC	Director Professor Sushil Kumar
Director, Guru Nanak Eye Centre	Director-Professor Ritu Arora
Medical Director, MS. L.N. Hospital	Director Professor Kishore Singh
Medical Director, GIPMER	Director Professor Achal Gulati
Administration	
Academic Officer	Director Professor Sabita Mishra
Deputy Director (Admn.)/HOO	Shri Brijesh Sharma
Registrar (Academic)	Shri Rajesh Sachdeva
Admn. Officer (E-I)	Shri Rajender Kumar
Admn. Officer (E-II)	Shri Rajesh Kumar
Admn. Officer (Estate)	Shri Mansoor Usmani
Sr. Accounts Officer	Shri Ajay Malhotra
Asstt. Accounts Officer	Ms. Raj Upreti
Statistical Officer	Shri Kamal Gautam
Security Officer	Shri Mohan Lal
Superintendent-E-I	Ms. Philomina Thomas
Superintendent-II	Shri Bhupal Chand
PS to Dean	Shri Umesh S. Nimesh
In-charge Data Center	Shri Mohnish Dubey
Head of Departments (As on Annual Day)	
Anatomy	Director Professor Sabita Mishra
Anesthesiology	Director Professor Kirti Nath Saxena
Anesthesiology (GIPMER)	Director Professor Vishnu Datt
Biochemistry	Director Professor B. C. Koner
Biochemistry (GIPMER)	Director Professor Manju Subberwal
Cardiology (GIPMER)	Director Professor Saibal Mukhopadhyay
Cardio- Thoracic Surgery(GIPMER)	Director Professor M A Geelani
Community Medicine	Director Professor Nandini Sharma
Dermatology & STD	Director Professor Bijaya Laxmi Sahoo
E.N.T.	Director Professor Ishwar Singh
Forensic Medicine	Director Professor Anil Kumar Mittal
G.I. Surgery (GIPMER)	Director Professor Anil Agarwal
Medicine	Director Professor R. S. Ahlawat
Medical Education	Director Professor Devender Kumar
Microbiology	Director Professor Sonal Saxena
Microbiology (GIPMER)	Director Professor Dr. Poonam S. Loomba

Neonatology	Director Prof Ajay Kumar
Neurology (GIPMER)	Director Professor Debashish Chowdhury
Neuro-Surgery (GIPMER)	Director Professor Daljeet Singh
Obstt. & Gynaecology	Director Professor Asmita Rathore
Ophthalmology	Director Professor Ritu Arora
Orthopaedics	Director Professor Vinod Kumar
Pathology	Director Professor Nita Khurana
Pathology (GIPMER)	Director Professor Pooja Sakuja
Paediatrics	Director Professor Urmila Jhamb
Paediatric Surgery	Director Professor Simmi K Rattan
Pharmacology	Director Professor Vandana Roy
Physiology	Director Professor V.P. Varshney
Pulmonary Medicine	Professor Naresh Kumar
Psychiatry (GIPMER)	Director ProfessorPartha Sarthi Biswas
Radio-diagnosis	Director Professor Anju Garg
Radio-diagnosis (GIPMER)	Director Professor Sunil Puri
Radio-therapy	Director Professor A K Rathi
Surgery	Director Professor Pawanindra Lal
Plastic Surgery	Dr. Prabhat Srivastava, Consultant

Faculty on Special Task	
Provost	Director Professor Kirti Singh, Ophthalmology
First Appellate Authority(RTI)	Director Professor S. K. Khanna,Forensic Medicine
Coordinator Research Projects	Director Professor M. M. Singh,Community Medicine
Telephone Exchange Officers	Director Professor M. M. Singh, Community Medicine
Library Officer	Director Professor Mukta Mantan, Paediatrics
Purchase Officer	Professor Dinesh Kumar, Anatomy
Store Officer	Sh. Mattu Salvinder Singh
New Faculty Guest House In-charge	Shri Kamal Gautam, Planning Officer
Chairman Research Cell	Director Professor Balkrishan Physiology
Chairman IEC	Director Professor M. K. Daga, Medicine
Chairman Lan & Server	Director Professor G. S. Meena, Community Medicine
Gurukool MAMC	Associate Professor Anurag Mishra, Surgery
Chairperson Sexual Harassment Committee	Director Professor Suneela Garg, Community Medicine

ANNUAL REPORT COMMITTEE

Dr Aarti Sood Mahajan	Director Professor, Physiology	Convenor
Dr Daljeet Singh	Dir Prof & Head, Neuro Surgery	Member
Dr Debashish Chowdhury	Dir Prof & Head, Neurology	Member
Dr Nita Khurana	Dir Prof. & Head, Pathology	Member
Dr Preeti Jain	Prof, Physiology	Member
Dr Nidhi Verma	Associate Prof, Pathology	Member

Staff:

Shri Rajesh Sachdeva	Registrar(Academic)
Shri Yuganshu Luthra	Academic Section
Shri Baby M. P.	Research Cell
Shri Devanand	Academic Section
Shri Sohan Singh Rawat	Photography Section

DATA ON MEDICAL EDUCATION

Undergraduate Education

MBBS Course

Doctors graduated during the year 2019 are 253

Cumulative total till 31.12.2019 is 9336

Post-Graduate Education

Twenty-two full time courses leading to various post-graduate/diplomas & post doctoral courses are in force at present 153 postgraduates successfully completed the course during the year

Cumulative total till 31.12.2019 is 4889

OTHERS STATISTICS

I. Courses conducted: MBBS, BDS, P.G. Diploma
MD/MS/MDS/M.Ch/DM

II. Staff Position

Staff Position	Sanctioned	Filled	Vacant
Faculty	322	216	106
Senior Resident	92	76	16
Junior Resident	-	-	-
Pool Officer	-	3	-
Technical	276	155	121
Ministerial	159	117	42
Class-IV etc.	342	182	160

III. Budget 2019-20 (MAMC)

(Rs. in lacs)

Head	Approved Outlay 2019-20	Proposed Revised Outlay 2019-20
Revenue	21566.50	20730.50
Capital	1600.00	1580.00
Total	**23166.50**	**22310.50**

ASSOCIATED HOSPITALS

LOK NAYAK HOSPITAL

Lok Nayak Hospital (LNH) has a history older than the independent Republic of India, having been initiated in the year 1936 as Irwin Hospital. From an initial bed strength of 320 Lok Nayak Hospital (also known as LNJPN, LNJP or JP Hospital) has already gone up to bed strength approaching 2053. Apart from catering to the needs of residents of Delhi - primarily Old, Central and East - the umbrella expectedly covers many iterant patients from neighboring states as well by virtue of its location being closest to Delhi, New Delhi and Nizamuddin Railway Stations as well as Interstate Bus Terminals at Kashmiri Gate, Sarai Kale Khan and Anand Vihar. Consequently the need of bed strength has gone up exponentially.

Achievements

1. Installation of Electronic Boards at various floors of OPD Block for display of information for different services/ facilities being provided to patients visiting Lok Nayak Hospital.

2. Installation of 05 Automated External Defibrillators(AEDs)- a life saving equipment, at various floors of Main OPD Block for the benefits of patients and hospital staff .

3. Starting of 03 New Special Clinics during morning hours in Dermatology OPD: (Monday - Contact Dermatitis, Wed- Connective Tissue Disease & Thur- Psoriasis)

4. Starting of 03 New Afternoon Clinics in ENT OPD:(Mon- Voice & Laryngology, Wed- Rhinology &Fri- Vitiligo & Audiology) for the benefit of OPD patients coming for treatment in Lok Nayak Hospital.

Other Achievements

1. Dietary counseling imparted to 10399 Patients on OPD basis & 11726 IPO.
2. Maintaining Solid Waste Management. Dietary Department inspection by NET was successfully conducted.
3. AsperfoodsafetyguidelinesfoodwatersamplestestingfromFSSAIapprovedlabhasbeen implemented.
4. Dietary Main Kitchen deptt. participated in International Yoga day by providing Nutritious & Healthy Food Drinks like Sprout Salad/Bael Sharbat/Sattu Drinks.
5. Conducted“WorldBreastFeedingWeek”awarenessprogrammeinPeadiatricandANCOPD.
6. Planneddiets for leprosy home, Social Welfare, Delhi Gate.
7. “ExtendedMealServicesforpatientsattendantsandstaffofLNHcomplex”isgoingoninthat serviceprovidingComboMeal@€10/-toaround200personsonallworkingdays.
8. Commissioning of PNG started on28.01.2019.
9. Successful Kaya Kalp Round.

G. B. PANT INSTITUTE OF POST GRADUATE MEDICAL EDUCATION AND RESEARCH

G.B Pant Postgraduate Medical Institute attached to MAMC is an internationally recognized superspeciality, tertiary care teaching institution for heart, brain and gastrointestinal disorders. It is committed to provide state- of- the art diagnostic & therapeutic services irrespective of financial affordability. It runs with the aim to inculcate hope, healing and happiness in everyone who visits the hospital.

The hospital has seven clinical departments- Cardiology, Cardiothoracic surgery, Neurology, Neurosurgery, Gastroenterology, Gastro surgery and Psychiatry. To support these, very active para-clinical departments give matching contribution in the areas of Pathology, Biochemistry, Microbiology, Anesthesiology, Blood bank and Radiology.

It is one of the most reputed centre in the country for post-doctoral teaching and training .It is recognized for many path breaking research The institution offers post-doctoral D.M. degrees in Cardiology, Neurology, Gastroenterology, M.Ch. degrees in Cardio Thoracic Surgery, Neuro Surgery, Gastrointestinal Surgery, DNB in Radiology and Cardiac Anaesthesia .

It was commissioned by the then Prime Minister late Pt. Jawaharlal Nehru on 30th April 1964. From a very humble beginning with 229 beds, it has expended to a bed strength of 754 of which 154 are Intensive Care Units beds. In 2019, the annual OPD attendance was over 9 lakhs and over 29 thousand patients were admitted under different superspeciality departments. This institution has the latest “state of the art” equipments, modular operations theatres, Cardiac catheterization and interventional Cardiology facilities. A separate acute heart attack and acute stroke treatment facility has been created for providing 24 hrs emergency services in the Golden Hour.

Dr. Sanjay Tyagi, Director, GIPMER was elevated to the highest position of Director General Health Services at the Ministry of Health & family Welfare, Govt. of India. His position as Director, GIPMER was taken over by Dr. Achal Gulati, who was appointed here after a successful 5 year stint as the founder Director Principal of the new Dr. BSA Medical College & Hospital and who also was elevated as the Additional Director General Health Services at the Ministry of Health & family Welfare, Govt. of India.

GURU NANAK EYE CENTRE

Guru Nanak Eye Centre was conceived as the premier centre of Government of Delhi to provide most up-to-date treatment for the eye diseases. It is situated on the Maharaja Ranjit Singh Marg and is being constructed in phases. In first phase OPD building was constructed and commenced in 1976. **In** 1984 Indoor Patient Department was inaugural. This provided casualty services and 150 beds. Phase III constructions are also complete and functional with modern operation theatre facilities, special words, day care centre. It also includes a mini auditorium with a seating capacity of 150.

Since its inception, GNEC has maintained steady and growth resulting into the best possible Eye Care facilities. This centre is running various special clinics, namely, Pediatric Ophthalmology. Neuro Ophthalmology, Contact Lens, Glaucoma, Trauma, Squint, Surgical and Medical Retina, Cornea and Ophthalmoplasty. In addition a new LASIK centre was added to provide Laser Refractive Surgery. This centre is now able to provide state of the medical facilities to the patients totally free of cost. This centre has separate pathology laboratory for conducting various serological, biochemical tests. The concept is to provide the patient all major ocular investigation under one roof.

This centre is organizing eye donation camps, eye screening camps and exhibitions to inform and increase awareness amongst the general population about the eye health care. Motiabind Mukti Abhiyan a Delhi Government campaign is being coordinated and organized by the centre and the hospital contributed in more than 40% of the surgery supporting in the various screening centre.

The centre has got equipments such as :

1. Latest Electro physiological machine for investigation like ERG, EOG, VER and EMR at Neuro-ophthalmology wing.
2. Digital Fundus Fluorescin Angiography
3. Special Domain OCT
4. Hand held fundus camera for obtaining fundus photograph of pediatric cases.
5. New Digital anterior segment imaging system
6. Two phaco machines for suture less cataract surgery.

II. NATIONAL & OTHER PRESTIGIOUS AWARDS BESTOWED UPON

PADMA AWARD WINNERS

NAME OF AWARD	YEAR	AWARDEE
Padma Bhushan	1962	Dr. P.C. Dhanda
Padma Bhushan	1962	Dr. S.K Sen
Padma Bhushan	1967	Dr. S. Padmavati
Padma Shri	1972	Dr. Leela Vinayak Pathak
Padma Shri	1972	Dr. R. Nigam
Padma Shri	1973	Dr. N.S. Jain
Padma Shri	1984	Dr. M. Khalilullah
Padma Bhushan	1989	Dr. M. Khalilullah
Padma Shri	1990	Dr. Prem Kakkar
Padma Bhushan	2006	Dr. S.K Sarin
Padma Bhushan	2006	Dr. K. K. Sethi
Padma Shri	2014	Dr. Mahesh Verma
Padma Shri	2015	Dr. Saumitra Rawat
Padma Shri	2016	Dr. D. S. Gambhir
Padma Shri	2016	Dr. Ravi Kant

DISTINGUISHED ALUMUNUS AWARD WINNERS

YEAR	NAME OF AWARDEE	YEAR	NAME OF AWARDEE
1983	Dr. Harish Grover, Dr. Narrotam Puri	2016	Dr Daljit Gambhir, Dr Daljit Singh
1984	Dr. L. D. Sota	2017	Dr. N. P. Singh
1985	Dr. S.N.A. Rizvi	2018	Dr. C. P. Baveja, Dr. Nirat Beohar
1986	Dr. J.K Jain, Dr. Y.P. Munjal	2019	Dr. Pawanindra Lal & Dr. Rajesh Sagar
1987	Dr. R.P. Gupta, Dr. R.K Kapila		
1988	Dr. O.P. Sood		
1989	Dr. V. J. Anand, Dr. 1. S. Bal		
1990	Dr. N. K Grover, Dr. KB. Anand		
1991	Dr. G. K Maini		
1992	Dr. Vijay Agarwal		
1993	Dr. P. S. Saharia, Dr. Jag Bhagvan		
1994	Dr. S. M. Subramany		
1995	Dr. Vijay Aggarwal		
1998	Dr. D. K Mehta		
1999	Dr. SurenderKumar		
2000	Dr. Vijay Kapoor		
2001	Dr. Subhash Naik, Maj. Gen. J. R. Bhardwaj		
2002	Dr. T. K Thussoo		
2003	Dr. A. K Kakkar		
2004	Dr. Veena Chowdhury		
2005	Dr. S.P. Aggarwal, Dr. V.K Sharma		
2006	Dr. Usha K Baveja, Dr. Mathew Varghese		
2007	DR. Veena Kalra		
2008	Dr. T. Singh		
2009	Dr. Paramjeet Singh Randhwa		
2010	Dr. R.K. Sharma		
2012	Dr. Amit Banerjee		
2013	Dr. A. K. Jain and Dr. Sethi		
2014	Dr. Beena Uppal		
2015	Dr. S. Ramji, Dr. B. K. Rao		

DR. DHARAMVIR GOLD MEDAL

Year	Name of the Awardees	Year	Name of the Awardees
1963	M S Batra	1991	John Koreth
1964	R P Gupta	1992	Virmeet Singh
1965	Ram Kumar Chillar	1993	Sonia Gupta
1966	Manash Kamal Das Gupta	1994	Sanjay Gandhi
1967	J M Randekar	1995	Virnda Vashista
1968	Veena Rai Chawla (July)	1996	Mohan Singh Bajaj
1968	Suman Kirti Jain (December)	1997	Ameeta Verma
1969	Habibuddin Azri Habib	1998	Preeti Gulati
1970	Rajiv Kumar	1999	Anubhav Vindal
1971	Vinod Kumar	2000	Not decided
1972	Amrit Prakash Nayar	2001	Ruchika Chandna
1973	Dinesh C Khera	2002	Shikha Goyal
1974	Mridula Thakur	2003	Not decided
1975	Arvind Seth	2004	Ashima Gupta
1976	Ajay Krishan Sachdev	2005	Aashima Arora
1977	Ram Kumar Menon	2006	Astha Gupta
1978	Sidharth Ramji	2007	Chitra Gupta
1979	Rajiv Kumar	2008	Geeti Khullar
1980	Anil Kumar S/o S N Varshney	2009	Abhilekh Shrivastav
1981	Anju Agarwal	2010	Parul Gupta
1982	Manish Suri	2011	Nistha Yadav
1983	Sanjay Jain	2012	Akanksha Agrawal
1984	Raju Sharma	2013	Anshula Tayal
1985	Priti Agarwal	2014	Pratyaksha Rana
1986	Niraj Kumar	2015	Sanchit Kumar
1987	Naveen Lal	2016	Stuti Chandola
1988	Suman Rao	2017	Sukanya Priyadarshini
1989	Raechel Koreth	2018	Ayush Agarwal
1990	Sunil Chaudhary	2019	Neha Baijal

III. DISTINGUISHED VISITORS

S.No.	Department	Visitors (Country)
I.	Neonatology	Dr Bobby Pineda, Occupational Washington University School of Medicine, St Louis, USA.
II.	Pathology	Dr. T. Singh , Dr. Anurag Mehta , Sr. Consultant & Head , Pathology, Rajiv Gandhi Cancer Institute and Research Centre
III.	Cardiology, GIPMER	Dr. Ankur , Interventional Cardiologist, from New Jersey visited our institute for learning the technique of trans-septal puncture (USA)
IV.	Gastroenterology, GIPMER	Prof. Raj for Spyglass Cholangioscopy & Axios LAMS, (USA)
V.	Gastrointestinal Surgery, GIPMER	a. Dr Yamamoto, Japan. b. Dr Krish Menon, UK c. Dr Kevin Billingsley, USA. d. Dr Darius Mirza: UK. e. Dr Eduardo Fernandes, Brazil
VI.	Neurology, GIPMER	a. Prof Tim Steiner from UK visited the department and analyzed the results of Headache Burden study (UK) b. Prof Simon Hawke from Australia visited the department and gave a lecture on Treatment of MS (Australia) c. Dr Madhav Suri from US conducted a mini EEG workshop on 31.5.19 (USA) d. Dr Rebecca Clark from US conducted a mini EEG workshop on 31.5.19 (USA).
VII.	Neurosurgery, GIPMER	1. Dr. Krishna Kumar G, M.Ch (Neurosurgery), SGPGIMS, Lucknow 2. Dr. Raghavendra M, M.Ch (Neurosurgery), SGPGIMS, Lucknow 3. Dr. Gajbhiye Sanjog Shankar, M.Ch (Neurosurgery), SGPGIMS, Lucknow 4. Dr. Abhijit Nanda Parab, M.Ch (Neurosurgery), SGPGIMS, Lucknow 5. Dr. Dipanshu Narula, M.Ch (Neurosurgery), AIIMS, New Delhi 6. Dr. Saurabh Sharma, Attending Consultant, DMC, Ludhiana 7.Dr. Dhivya Palanishmy, Consultant Neurosurgery, Apllolo KH Hospital, Vellore, Tamilnadu 8. Dr Ketan Hedau, Assistant Professor, Department Of Neurosurgery, NSCB Medical College, Jabalpur
VIII.	Pathology, GIPMER	1. Dr. Aiman Haider-Clinical Fellow Uropathology and Gynaecological pathology,UCLH, London. 2. Dr. Juan Rotamero - Granada University Hospitals, Spain
IX.	Radiodiagnosis, GIPMER	Dr.Vivek Mishra, Consultant Radiologist,Chicago, U.S

IV. FACULTY
SUPERANNUATION/TRANSFER/JOINING/LEFT

I. SUPERANNUATION

S. No.	Name of faculty	Designation	Department
1.	Dr. T.K. Mishra	Director Professor	Biochemistry
2.	Dr. Naresh Gupta	Director Professor	Medicine
3.	Dr. Surinder Kumar	Director Professor	Microbiology
4.	Dr Bibhabati Mishra	Director Professor; September 2019. Superannuated	Microbiology, GIPMER
5.	Dr Satbir Singh	Dir-Professor- Superannuated on 30.11.19	Radiodiagnosis, GIPMER

II. TRANSFER

S. No.	Name of faculty	Designation
1.	Dr. Anu Gupta	Assistant Professor, Neurology

III. JOINING

Name of faculty	Designation	Name of faculty	Designation
Dr Sushil Kumar	Dean, Department of Medical Education	Dr. Praveen Bharti	Department of Medical Education
Dr. AnitaTuli Re-employment	Consultant Anatomy	Dr. Satish Sharma	CMO SAG, Orthopedics
Dr.T.K.Mishra, Rejoined	Director Professor Biochemistry	Dr. Ajay Bahl	CMO SAG, Orthopedics
Dr.Anubhuti,	Associate Professor Biochemistry	Dr. Romit Saxena	Asstt. Professor, Paediatrics
Dr.H.C. Taneja,	Director Professor, ENT	Dr. Swarnim	Asstt. Professor, Paediatrics
Dr. Upender Kishore	Forensic medicine	Dr. Puneet Kaur Sahi	Asstt. Professor, Paediatrics
Dr Aashima Dabas	Department of Medical Education	Dr. Meenakshi Bothra	Asstt. Professor, Paediatrics
Dr Harpreet Singh	Department of Medical Education	Dr. Pallavi	Asstt. Professor, Paediatrics
Dr Rahul Jain	Department of Medical Education	Dr. Ravi Kaushik	Assistant Professor, Physiology
Dr. Arpita Gupta	Asstt. Profesor, Paediatrics	Dr. Faiz Akram Ansari	Assistant professor, Radiotherapy
Dr. Prafull Kumar,	CMO (NFSG), Paediatric Surgery Equated Assistant Professor for teaching purposes.	Dr. Surender Saini,	Assistant professor, Radiotherapy
Dr. Payal Bhalla	Assistant Professor, Physiology		

IV. LEFT

S. No.	Name of faculty	Designation	Reason for leaving
1.	Dr. Sanjay Tyagi Deptt of Medical Education	Dean	Promoted to DGHS
2.	Dr Preeti Thakur,	Specialist Grade II	
3.	Dr. C.P. Baveja Microbiology	Director Professor and Head	Joined as Director Principal, Dr. Baba Sahib Ambedkar Medical College, Delhi
4.	Dr. Srinivas H Gowda	Assistant Professor Biochemistry	Resigned on personal ground and relieved on 10-11-2019
5.	Dr P. K. Rathore,	Director Professor, ENT	
6.	Dr N B Mathur	Director Professor Neonatology	
7.	Dr Abhishek Chopra	Assistant Professor Neonatology	
8.	Dr.Harpreet Mehr	Assistant Professor (Cl.Psychology) Paediatrics	Major Illness in the Family
9.	Dr. M. Tanuja	Gynecology & Obstetrics	Resigned
10.	Dr. Surender Saini,	Assistant professor, Radiotherapy	
11.	Dr. Amol S. Dahale	Microbiology, GIPMER	
12.	Dr. Kaushik Majumdar	Pathology, GIPMER	

ACHIEVEMENTS

Promotions

Associate Professor

S. No.	Name of faculty	Department
1)	Dr. SS Panda	Paediatric Surgery
2)	Dr. S Neogi.	Paediatric Surgery
3)	Dr. Lovekesh Kumar	General Surgery
4)	Dr Wajid Nazir	Neurosurgery
5)	Dr G D Singhal	Neurosurgery

AWARDS AND HONOURS

Department of PaediatricsConsidered as Center for Excellence:
In Human Genetics for Training in Service faculty for Medical Colleges by Department of Biotechnology and for Management and prenatal diagnosis of rare diseases by Ministry of Health & Family Welfare.

Department of Anaesthesiawon Trophy for Best Clinical Meetat ISACON 2019

Following faculty received awards and honours.

S. No.	Name of faculty	Award/Honour
1.	Dr Dinesh Kumar, Anatomy	FAIMER fellowship in 2019.
2.	Dr Surbhi Wadhwa, Anatomy	Member of National Academy of Medical Sciences
3.	Dr Rashmi Sarkar, Dermatology	a. Dr. B. M. Ambady oration from IADVL at DERMACON International in Bengaluru. b. Dr. Madhusudhan Das oration from Nalanda Medical College, Patna . c. IADVL Delhi State Branch oration at Annual Cuticon, Delhi. d. 'The Economics Times' 'Most Inspiring Dermatologist' at Doctor's Day Conclave New Delhi. e. Radiation Oncologist of India.
4.	Dr Suneela Garg,PSM	Harcharan Singh Oration during 46th Annual National Conference, IAPSM, IGMC Shimla.
5.	Dr Nandini Sharma, PSM	Delhi State Award for meritorious services in the field of health care,Delhi.
6.	Dr. Krishna Deb Barman, Dermatology	IADVL Milan scholarship award
7.	Dr. Vineet Relhan, Dermatology	Dr. K.C. Kandhari Award at the Annual Cuticon IADVL Delhi State Branch.
8.	Dr. Monisha Pradhan, Forensic Medicine	UGC Grant International Conference "National Association of Medical Examiners, USA
9.	Dr Subhash Dadeya, Ophthalmology	Vice president, Delhi ophthalmic society
10.	Dr Ruchi Goel¸ Ophthalmology	FAICO
11.	Dr. M K Daga, Medicine	FRCP 2019, FACP2019
12.	Dr. Ahlawat, Medicine	FICP Fellowship
13.	Dr. Suresh Kumar, Medicine	Award API Delhi Branch , Dr. Bansal and Uma Bansal Oration and Fellowship in Academy of Clinical Medicine (FIACM).
14.	Dr. Sunita Agarwa, Medicine	Selected as FACP
15.	Dr. Sumit Singhla, Medicine	Fellowship under The Medical Scientist Exchange Program of NAMS
16.	Dr Ashish JainNeonatology,	FNNF (Fellow National Neonatology Forum)
17.	Dr. Anurag Agarwal, Paediatric	Indian Health Care Excellence Award 2019
18.	Dr YK Sarin, Paediatric Surgery	Fellowship of Indian Academy of Pediatrics (FIAP) Rejoice AYUSH Promotion Award 2019. BHARAT KE ANMOL RATNA AWARDS – 2019" , (Lifetime Achievement category) by Tejasvi Astitva Foundation
19.	Dr Shyama Jain, Pathology	DMA-Vishisht Chikitsa Ratna Award' on Doctors day, MAMC, Delhi .
20.	Dr. Vandana Roy, Pharmacology	Chief Guest, CME for Medical Officers sponsored by Rashtriya Ayurveda Vidyapeeth, Ministry of AYUSH, All India Institute of Ayurveda, New Delhi
21.	Dr Shalini Chawla, Pharmacology	National Institute on Drug Abuse (NIDA) clinical Trials Network Certificate of completion to certify completion of six hour required course on Good Clinical Practice. Felicitated by National Board of Examinations for contribution as a faculty.
22.	Dr Bhupinder Singh, Pharmacology	Completed and cleared GCP web based training course from Ashford and St. Peter's hospital(NHS).
23.	Dr. Ravi Kaushik, Physiology	International travel award by Japanese Govt JENESYS

24.	Dr. Rashmi Dixit, Radiology	Academic Excellence award by Delhi State Chapter,IRIA.
25.	Dr. Jyoti Kumar, Radiology	Fellowship Indian College of Radiology, in 72nd annual conference of IRIA at PGI Chandigarh, Dr. N.G. Gadekar Oration on Imaging in inner ear malformations, in 72nd annual conference of IRIA at PGI Chandigarh.
26.	Dr. K. Singh, Radiotherapy	Felicitated with lifetime achievement awards association of radiation oncologists of India (north zone).
27.	Dr. A.K. Rathi,Radiotherapy	Felicitated with lifetime achievement awards by association of radiation oncologists of India (north zone).
28.	Dr. Savita Arora, Radiotherapy	Fellowship in Brachytherapy in gynecologic cancer at Christie hospital, Manchester, United Kingdom by Association of Radiation Oncologist of India.
29.	Dr Pawanindra Lal , Surgery	Dr A Ranganathan Oration APASI 2019, Best Performance EC Member ASI 2019, Delhi State Health Award 2019.
30.	Dr Lovenish Bains, Surgery	Third prize- Poster, GASOC 2019, UK, Second and third prize-Poster & Second prize Best Research Paper at ASICON 2019. FICS (Indian Section) 2019.
31.	Dr Anubhav Vindal, Surgery	FRCS (Glasgow), FRCS (Edinburgh)
Departments of GIPMER.		
32.	Dr Pragati Ganjoo, Anaesthesia	Awarded with 'Gaurav Samman', for contributing towards welfare of Kashmiri Pandit Community
33.	Dr. Sanjay Tyagi, Cardiology	Fellowship of Royal College of Physicians (FRCP), Edinburg UK. Distinguished Alumnus by the Union Health Minister during the Platinum Jubilee function of Safdarjung Hospital & VMMC.
34.	Dr. Vimal Mehta, Cardiology	Fellowship of European Society of Cardiology (FESC) in 2019 Fellowship of American College of Cardiology (FACC) in 2020
35.	Dr. Mohit Gupta,Cardiology	Fellowship of Royal College of Physicians, (FRCP) Edinburg, UK.
36.	Ms. Pratishtha (Senior Research Associate)	Fellowship by NHS Foundation Trust, London.
37.	Dr. AS Puri, Gastroenterology	Fellowship ofNational Academy Of Medical Science (India)
38.	Dr. Amit Javed, GI Surgery	Best poster, IASGCON 2019,Award paper , A-PHPBA 2019, Korea
39.	Dr Archana Thakur, Microbiology	NABH, NACl assessor
40.	Dr Poonam Sood Loomba, Microbiology	FAIMER fellowship
41.	Dr. Debashish Chowdhury, Neurology	Awarded **"**State Award" given by the Government of NCT of Delhi for the meritorious services in the field of health care (Neurology) , 18th February, 2019.
42.	Dr Sanjay Pandey, Neurology	Received travel grant to attend MDS International conference at Nice.
43.	Dr Swapan Gupta, Neurology	Awarded bursary and training in 17th International Course on Epilepsy: Brain Exploration and epilepsy surgery-4: Epilepsy surgery at Paediatric age at San Servolo, Venice, Italy Indian Academy of Neurology (IAN) Travel Fellowship 2019.
44.	Dr Daljit Singh, Neurosurgery	Vishisth Chikitsa Ratan Award 2018, Treasurer NSI
45.	Dr Hukum Singh, Neurosurgery	Bharat Jyoti Award 2018, Country Pride National Award 2018
46.	Dr. Anita Jagetia, Neurosurgery	Coordinator Woman section NSI
47.	Dr Puja Sakhuja, Pathology	Fibrosis Regression at the 8thRamalingaswami Oration" and Hepatopathology Meeting at ILBS on 7th August 2019.

CHAPTERS IN BOOKS

Many faculty members have contributed chapters in books of their respective field of specialty.

Department	**Faculty members**
Anaesthesia	Dr Anju R. Bhalhotra, Dr Lalit Gupta
Anatomy	Dr Sabita Mishra, Dr Neelam Vasudeva, Dr Dinesh Kumar, Dr Anita Mahajan, Dr Surbhi Wadhwa, Dr Preeti Goswami, Dr Babita Pangtey, Dr Swati Tiwari and Dr Shikha Singh
Biochemistry	Dr. K. Maheshwari
Dermatology	Dr. Rashmi Sarkar, Dr. Vineet Relhan
ENT	Dr. Shruti Dhingra
Medicine	Dr. MK Daga, Dr. Suresh Kumar , Dr Sandeep Garg, Dr. Sunita Agarwal
Microbiology	Dr. CP Baweja, Dr. Rohit Chawla
Neonatology	Dr Ashish Jain
OBG	Dr. Anjali Tempe, Dr. A. Rathore, Dr. Y.M.Mala,Dr. A. Kumar,Dr. Madhavi Gupta
Ophthalmology	Dr Ruchi Goel
Orthopedics	Dr. Lalit Maini
Paediatrics	Dr. U. Jhamb. S. Yadav, Dr. D. Mishra, Dr. A. Agarwal, Dr. D. Kumar, Dr. R.Saxena, Dr. M. Bothra
Pathology	Dr Nidhi Verma, Dr Meeta Singh
Pharmacology	Dr. Vandana Roy
Physiology	Dr.V. P. Varshey ,Dr. MonaBedi, Dr. Ravi Kaushik
Pulmonary Medicine	Dr. Naresh Kumar
Radiodiagnosis	Dr. Anju Garg, Dr. Gaurav S Pradhan,Dr. Alpana Manchanda, Dr. Rashmi Dixit,Dr. Anjali Prakash, Dr. Sapna Singh, Dr. Jyoti Kumar, Dr. Swati Gupta,Dr. Radhika Batra
Radiotherapy	Dr. Kishore Singh, Dr.Arun Kumar Rathi, Dr.Savita Arora
General Surgery	Dr Vindal A, Pathak P, Dr Lovenish Bains, Dr Deepak Ghuliani, Dr Anurag Mishra, Dr Lovekesh Kumar, Dr Trilok Chand
Departments of GIPMER	
Anesthesia	Dr Monica Tandon
Cardiology	Dr. Sanjay Tyagi, Dr. Ankit Bansal
Microbiology	Dr Poonam Sood Loomba
Neurology	Dr. Debashish Chowdhury, Dr. Ashish Duggal, Dr. Arun Koul
Neurosurgery	Dr Daljit Singh, Dr Shaam Bodeliwala, Dr Anita Jagetia, Dr A K Srivastava, Dr G D Singhal

PUBLICATIONS

National and International

S.No.	Department	No. Of Publication
1)	Anaesthesia	47
2)	Anatomy	12
3)	Biochemistry	16
4)	Community Medicine	33
5)	Dermatology	08
6)	ENT	10
7)	Forensic Medicine	06
8)	Medicine	10
9)	Microbiology	05
10)	Neonatology	21
11)	Obstetrics & Gynecology	02
12)	Orthopedics	13
13)	Paediatrics	40
14)	Paediatric Surgery	15
15)	Pathology	27
16)	Pharmacology	17
17)	Physiology	06
18)	Pulmonary Medicine	05
19)	Radiodiagnosis	12
20)	Radiotherapy	06
21)	General Surgery	27
	Departments of GIPMER	
22)	Anaesthesia	01
23)	Biochemistry	06
24)	Cardiology	17
25)	CTVS	12
26)	Gastroenterology	21
27)	Gastrointestinal Surgery	16
28)	Microbiology	07
29)	Neurology	20
30)	Neurosurgery	08
31)	Pathology	07
32)	Psychiatry	01
33)	Radiodiagnosis	02

CONFERENCES/WORKSHOPS ORGANIZED

Department	Name of conference/workshop
Anaesthesia	1. CME on "Changing Trends in Obstetric Anesthesia" , March 2019, MAMC 2. Workshop on "Ultrasound Guided Regional Anesthesia" , May 2019, 3. MAMC Anaesthesia Updates, Post Graduate Refresher Course, New Delhi (28 Aug- 1st Sept 2019) 4. Conference on Facts & Myths in Anaesthesiology on 14th& 15th December 2019
Anatomy	A workshop on 'Preservation Techniques of Human Body-Chemical & Digital Preservation and Museology' on 20th-21st December 2019
Biochemistry	1. A workshop on "Cell culture techniques" was oraganised by the department on 19th -20th September 2017. 2. A CME on "Role of Lab Diagnosis in immunologic disorders" was organised by the department on 16th March 2019.
Community Medicine	1) 4th International Conference on Occupational and EnvironmentalHealth. 2) 2nd World Congress Sound Hearing at Bali Indonesia. 3) EAR Screening Camp for the officials of MoHFW GOI at Celebration of World Hearing Day 4) Health promotion for hearing care in schools of South East Asian Region" in Collaboration with WHO at MAMC. 5) Pilot Testing of Modules Occupational Health Program: Care And Compliance of Unorganized Sector Workers Perspective for the Primary Health Care Professionals, MAMC with NIOH & PHF. 6) CME on "Latent TB updates: focus on latent TB for TB elimination in India" in MAMC. 7) Core Committee Meeting of RNTCP in MAMC and Chest Clinic,LNJP. 8) State Task Force (STF) at MAMC. 9) Workshop for nurses on "Breast cancer screening"MAMC 10) Sensitization of Doctors in Technical, Managerial and Quality Aspects of Family Planning. Held for all Medical Officers posted in GNCT Delhi involved in service delivery of Family Planning. 11) CME for Doctors on Recent Advances and Updates in National Health Programmes for Major Public Health Problems. 12) Dissemination Workshop for the research project on 'Efficiency of Child-To-Child Approach in Preventing Childhood injuries and their Consequences' 13) Workshop on Surveillance of Childhood Injuries at Primary Health Care Facilities' 14) Workshop on PubMed Search and Reference management using citation manager. 15) Workshop on Public Health Programme update. 16) Health camp on Anaemia
Dermatology	1. CME on 'Cutaneous Tuberculosis- A Mutidisciplinary Approach'with the department of Chest TB (LNH). 2. Training for Doctors under the PGDHIVM Fellowship Programme, MAMC. 3. Training for Doctors under the Geriatric Medicine Programme,MAMC. 4. Regional STI Reference, Research and Training Centre MAMC, organized a CME Program for Post Graduate Medical Students . 5. GADCON 2019 at Hotel Clarks, Amer, Jaipur **6.** ACSICON 2019 at The Leela, Gurugram
ENT	MIDPHONOCON 2019, at MAMC Adverse effect of Noise on Hearing on International Noise Awareness Day, MAMC Annual PG Update MAMC
Forensic Medicine	1) "Medicolegal Training Program for Medical Officers and Resident Doctors" 15.05.2019. **2)** 17th National Conference of Indian Associationf Forensic Odontology, MAIDS, 21st-22nd September 2019 with MAIDS.
Medicine	1. Medicine Update 2019-20 conducted. 2. A Symposium on Hepatitis Vaccination Program in Delhi for Health Care Workers organized in ABCON Auditorium In March, 2019 3. CME on haemophilia

Medical Education	1) Medical Education Technologies" for Senior Residents of MAMC and other govt Hospitals,Delhi. 2) P.G. Orientation Training Programme for 1st Yr P.G students. 3) P.G. Research Methods Course / Workshop for 1st Year Post Graduate students. 4) MCI Basic Course for Medical Teachers of various Medical Colleges of Delhi, UP and Haryana. 5) Five CISP workshops for faculty / Curriculum Committee members of constituent medical colleges. 6) One CISP/CDI workshop was conducted exclusively for in-house faculty of MAMC and associated hospitals. 7) Training session for Junior Faculty and Senior Residents involved in implementation of AETCOM
Microbiology	1. Workshop on "Staphylococcal phage typing" for final year M.D. (Microbiology) students of Delhi University on 25 January 2019. 2. Induction training on IGNOU Certificate course in Healthcare Waste Management (CHCWM) Programme in Feb,May, October and November 2019 . 3. Workshop on External Quality Assessment Scheme for HIV Serology for laboratory technicians of linked ICTCs and PPTCTs on 13 March 2019. 4. scientific session on "Laboratory diagnosis of non-ulcerative STIs & RTIs" during CME Programme for Postgraduate Students organized by Regional STI Research, Reference and Training Centre, MAMC, on 18 March 2019. 5. Training programs on Biomedical Waste Management for Senior Residents, Junior Residents and Technical staff of Maulana Azad Medical College 6. Awareness campaign through a Walkathon on Antimicrobial resistance containment from MAMC to Raj Ghat on November 17, 2019 in collaboration with IAMM, WHO, CDC, USA 7. Conducted training of Master Trainers for "Blended Clinical Training Programme" as a Senior Master Trainer under the aegis of National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India, from 25 to 28 June, 2019 at New Delhi. 8. Conducted training of Master Trainers for "Blended Clinical Training Programme" as a Senior Master Trainer under the aegis of National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India, from 02 to 05 July, 2019 at Guwahati. 9. Conducted training on IGNOU Postgraduate Diploma in HIV Medicine (PGDHIVM) Programme on 19 September, 2019 at New Delhi. 10. Conducted scientific session on "Standard Precautions and Biomedical Waste Management"during workshop on Preservation Techniques of Human Body on 20 December, 2019 at New Delhi.
OBG	1. CME on Infertility and reproductive endocrinology on 10/02/2019. 2. CME on endoscopy 09/02/2019. 3. 4th Maternal Fetal Medicine workshop on Cardiotocography- Basics and its Nuances.02/03/19. 4. Update on Ovarian Tumors.23/03/2019. 5. 41st Annual Conference AOGD 2019 Pre- Conference Workshop - Medicolegal Concerns in Obstetrics and Gynaecology, 27/9/2019. 6. Twenty-second practical course & cme in obstetrics and gynaecology 11th – 13th /10/ 2019. 7. 5th MFM Workshop ,pregnancy with heart disease 21/12/2019 . 8. Senior Resident Orientation Programme have conducted on 6th April 2019 & on 17.08.2019.
Orthopedics	1. 21st MAMC PG Orthopaedics Instructional course held at GB Pant hospital Auditorium on 25th to 28th Nov 2019. . 2. Basic Spine Course Workshop on 10th February, 2019, Lecture theatre,6th Floor, Orthopaedics Block, MAMC. 3. Computer Assisted Deformity Correction Course, 19th January 2019. 4. A symposium on Medico-Legal Seminar-2019 under aegis of Delhi Orthopaedics Association was held on 21st September 2019 at MAMC, Delhi 5. IFASCON- 2019 Cadaveric workshop on surgery around foot and ankle on 29th August 2019 at MAMC, Delhi.

Paediatrics	1. Symposium on Sensitization on Primary immune deficiencies was held on 20.04.2019 . 2. Symposium on CME on Primary immune deficiencies was held on 08.08.2019. 3. Symposium in STEP workshop (Simulation Training in Emergency Pediatrics) was held on 27.09.2019. 4. Symposium in workshop on PPCC (Practical Pediatrics Capsule Course) was held on 18-20th Dec 2019. 5. Stake holders Meeting on "Immunization in the Context of Adolescent Health Programme" to draw the Road Map for Adolescent Immunization in the country with IAP, Ministry of Health Immunization and Adolescent Health Division GOI, WHO, UNICEF and FOGSI, on 14.02.19 at New Delhi. 6. IInd Practical Pediatric Endocrinology course on 23.2.2019 at New Delhi Conference North Zone PEDICON and PCNI 2019 7. Symposium in PG workshop on practical aspects of developmental assessment was held on 9th to 10th Feb 2019. 8. Workshop on "Update in Screening: Prenatal and Neonatal" at ABCON Auditorium on 4th May'19. 9. CME on 'Genomics for Clinical Medicine' on 23rd Nov, 2019. 10. Hands on training for the post graduates on dysmorphology by Dr Nicole Fischer from Face2gene. 11. Training of master trainers for ART Medical officer from 13-16 Nov 2019. 12. Organized the Fourth Annual meeting of Pediatric Research and Education Society of India (PRESIDE) on 22, 23rd November 2019 . 13. A Symposium on Primary Immunodeficiency Disorders was held on 08-08-2019. 14. Contributed to the Extracorporeal membrane oxygenation module as a part of advanced ventilation training module course content and textbook, of the college of Pediatric critical care and IAP subsection of pediatric critical care. 15. Contributed to the basic ventilation module course content and textbook towards basic ventilation module of the college of pediatric critical care and IAP subsection of pediatric critical care. 16. IAP UG Quiz (Pediatric) intradepartmental 2019 17. 'Immunization Quiz' for Postgraduate students in August 2019
Paediatric Surgery	1. 2nd Pediatric Surgery Update 2019 from March 7th to 10th 2. CME on 'Child abuse-awareness and prevention' on November 15th 3. Symposium on 'Management of posterior urethral valves' on December 14th 4. CME/workshop for Ayush Health Professionals on Research Methodology on December 14th
Pathology	1. Cytology workshop on "Cytological approach to lymph node "lesions" Delhi state Annual Conference of Indian Association of pathologists and Microbiologists -DAPCON 2019. 2. Workshop on "Bone Marrow Biopsy Immunohistochemistry" during 60 Annual Conference of Indian Association of Hematology and transfusion Medicine Hematocon 2019.
Pharmacology	1. 4th CME workshop on "Improving Availability and Rational use of Medicines in Public Health Facilities under Government of NCT Delhi", in MAMC for doctors working in Delhi Government hospitals. 2. 7th CME and workshop on "Pharmacovigilance for patient safety" 3. 2nd CNE and workshop on "Pharmacovigilance for our safety" for Nurses working in associated hospitals of MAMC.
Physiology	1) CME cum Workshop " Global trends in Neuropsycho- physiology research and workshop on clinical Electro diagnostic tools for teaching and research" on 16.09.2019. 2) National Symposium "Recent advances in Parkinson's Disease" on 16th Feb.
Radiodiagnosis	Delhi Imaging Update. 4th AIIMS MAMC PGI Imaging Course Series, 5th Course on Genitourinary Imaging.
Radiotherapy	1. International Symposium on Medical Imaging 2. Physics and Image Guidance in Radiotherapy under the aegis of American Association of Medical Physicists in Medicine and Association of Medical Physicists of India.

Surgery	1) ENDOLAP MAMC, 4th International Conference of Delhi State Chapter of SELSI, 1st – 3rd March 2019. 2) Surgery Update 2019. 3) MASHAAL 2.0, at Anandwan, Maharashtra from 14- 18th August 2019.
Departments of GIPMER	
Biochemistry	1. Symposium on 'Biomarkers for the management of critical illness: An Update' on 20th December 2019.
Cardiology	1. 33rd Annual Conference of Cardiological society of India- Delhi Branch on 23-24 March 2019. 2. 5th MAMC-MFM Update on Pregnancy with heart disease for postgraduate students and practitioners being organized with Department of Obstetrics and Gynecology, MAMC. 3. Workshop for transcatheter aortic valve implantation Dr. Marian Branny from Czech Republic delivered a guest lecture on Hemodynamics in TAVR on 01/05/2019. 4. Seminar on advanced Hemodynamic Support during Complex PCI on 21 /11/20I9. Pioneer faculty from USA delivered a guest lecture. 5. Seminar on His Bundle Pacing and Physiological pacing was organized on 21 /12/2019 and Pioneer faculty Dr. Xingbin Liu from West China Hospital, Sidman University, China delivered a guest lecture. 6. Workshop on Intravascular imaging & clinical correlation on 71h November 2019 under aegis of Indian Society for Atherosclerosis Research (I SAR CON 2019).
CTVS	Public Awareness lecture. World heart Day 28-9-2019
Neurology	1. EEG Workshop (½day symposium) by US faculty at GIPMER on 31.5.19 2. MS Day Symposium (½ day symposium) by National faculty on 31.5.19 3. Migraine day celebration as a part of World Brain day on 22nd July, 2019
Neurosurgery	1) DNA CONFERENCE 2019 2) 17th NSI Teaching Course 3) Workshop on microvascular anastomosis 4) Workshop on Drilling and drilling technique
Pathology	1. "Prostate Cancer in the 21st Century" – talk by Dr Aiman Haider 2. Digitization in Pathology – talk by Dr Juan Rotamero May – 2019. 3. Annual meeting of Delhi chapter of IAPM – DAPCON – with MAMC – March 2019

REPRESENTATION ON EXPERT COMMITEES

A large number of faculty members have been named as representatives/nominated as experts for committees.

Department	**Faculty members**
Anesthesia	Dr Kirti Nath Saxena,Dr J.S. Dali, Dr Munisha Agarwal, Dr Kavita R. Sharma,Dr Anju R.Bhalotra, Dr Sonia Wadhawan,Dr Bharti Wadhwa, Dr Mona Arya, Dr Kapil Choudary, Dr.Lalit Gupta, Dr SukhyantiKerai.
Anatomy	Dr Neelam Vasudeva, Dr Sabita Mishra, Dr Anita Tuli, Dr Dinesh Kumar, Dr Anita mahajan and Dr Swati Tiwari
Biochemistry	Dr. Pramod Lali, Dr. B.C. Koner, Dr. Lal Chandra, Dr. Smita Kaushik, Dr. Binita Goswami
Community Medicine	Dr. Suneela Garg, Dr GS Meena, Dr Nandini Sharma, Dr. MM Singh, Dr Panna Lal, Dr. Bratati Banerjee, Dr Rajesh Kumar, Dr. Nidhi Bhatnagar.
Dermatology	Dr. Bijaylaxmi Sahoo, Dr. Rashmi Sarkar, Dr. K.D. Barman, Dr. Vineet Relhan
ENT	Dr.Ishwar Singh, Dr.J.C.Passey, Dr.H.C. Taneja, Dr. Ravi Meher, Dr. Vikas Malthora, Dr Shruti Dhingra, Dr Anjan Kumar Sahoo
Forensic Medicine	Dr S K Khanna, Dr Anil Kumar Mittal, Dr. Anil Aggrawal , Dr. Sreenivas M, Dr. Aman Deep Kaur, Dr. Dhiraj, Dr. Monisha Pradhan .
Medicine	Dr Ahlawat, Dr Daga, Dr Suresh, Dr Sunita , Dr Sandeep.
Microbiology	Dr C. P. Baveja, Dr Vikas, Dr Rohit Chawla, Dr.Prabhav Aggarwal
Neonatology	Dr Ajay Kumar , Dr. S. Ramji, Dr Ashish Jain
OBG	Dr Ashok Kumar
Orthopaedics	Dr.Vinod Kumar, Dr.Sumit Sural, Dr.Lalit Maini, Dr.Sumit Arora , Dr Pritish Singh
Paediatric	Dr. U. Jhamb, Dr. S. Yadav, Dr Seema Kapoor, Dr.D.Mishra, Dr. Anurag Agarwal, Dr.Romit Saxena
Paediatric Surgery	Director Prof. YK Sarin, Prof. SK Ratan
Pathology	Dr. Shyama Jain, Dr Nita Khurana, Dr. Sarika Singh, Dr. Shramana Mandal
Pharmacology	Dr. Vandana Roy, Dr Shalini Chawla, Dr Bhupinder Kalra, Dr Vandana Tayal
Physiology	Dr. Damor Robinson Dr. Daya Ram Haldwani, Dr Aarti Sood Mahajan, Dr Preeti Jain, Dr. Payal Bhalla, Dr Ravi kaushik
Pulmonary Medicine	Dr. Naresh Kumar
Radiodiagnosis	Dr. Anju Garg, Dr. Gaurav S Pradhan, Dr. Alpana Manchanda, Dr. Rashmi Dixit, Dr. Anjali Prakash, Dr. Sapna Singh , Dr. Jyoti Kumar, Dr. Swati Gupta, Dr. Radhika Batra
Radiotherapy	Dr. K. Singh, Dr. A. K. Rathi,Dr. Savita Arora
Surgery	Dr Pawanindra Lal, Dr C B Singh, Dr Pawan Lal, Dr Sushanto Neogi, Dr Anubhav Vindal, Dr Deepak Ghuliani, Dr Anurag Mishra, Dr Lovenish Bains
Departments of GIPMER	
Anaesthesia	Dr. Preeti Ganjoo, Dr. Monica Trandon
Biochemistry	Dr Manju Subberwal, Dr. V.K. Gupta, Dr Pradeep Kumar Dabla, Dr. Bhawna Mahajan, Dr Ranjna Chawla
Cardiology	Dr. Sanjay Tyagi, Dr Vijay Trehan, Dr. Saibal Mukhopadhyay, Dr. Vimal Mehta, Dr. Mohit Gupta
CTVS	Dr Geelani
Gastroenterology	Dr. AS Puri, Dr. BC Sharma, Dr. Sanjeev Sachdeva, Dr. Siddharth Srivastava Dr. Ajay Kumar
Microbiology	Dr Archana Thakur, Dr Poonam Sood Loomba, Dr Bibhabati Mishra, Dr Abha Sharma
Neurology	Dr Debashish Chowdhury, Dr Sanjay Pandey
Neurosurgery	Dr Daljit Singh, Dr Anita Jagetia, Dr A K Srivastava, DR Hukum Singh
Pathology	Dr Puja Sakhuja, Dr. R K Saran
Radiodiagnosis	Dr Sunil Kumar Puri, Dr Satbir Singh Dr Ashok Sharma Dr Poonam Narang Dr Kalpana Bansal

SERVICE OF THE COMMUNITY

S.No.	Department	Services
1.	Anaesthesia	Medical Safety Audits and credentialing of more than 15 partner hospitals of Smile Train India, across the country.
2.	Anatomy	Pulse Polio Eradication, Awareness of Voluntary body donation.
3.	Community medicine	Four health centers
4.	Paediatrics	Expansion of emergency and PICU services, Start of dedicated pediatric oncology services Interphase FISH for 21, 18, 13, Specialty clinic- Primary Immuno-deficiency Disorders.
5.	Pathology	Stree Shakti Programme , Cancer Control, Programme & pulse polio programme
6.	Pharmacology	Monitoring of Adverse Drug Reactions, Improving availability & rational use of medicinesin public health facilities
7.	Physiology	Help to poor socio-economic students
8.	Surgery	Health camps in Uttarakhand and Rewari,DOCS program. Surgical Camp at SEARCH, Gadhchiroli in Jan 2019. Free Gasless Laparoscopy Surgery Camp at CHC, Medziphema, Nagaland. 20-22 May, 2019.
Departments of GIPMER		
9.	Anaesthesia	Medical advisor for students at MUSKAAN 'Parent Associationfor the Care and Empowerment of Individuals with Intellectual Disability',
10.	Biochemistry	Pulse Polio Immunization programme of Govt of NCT of Delhi.
11.	Cardiology	1. Talk on Nurses day "Easy Life for Busy People", Secrets of healthy and Happy Life. 2. Talk on "Secrets of Stress management, self-transformation, healthy lifestyle and various life style modifications. 3. Department organizes and participates in various programme on prevention of heart diseases. 4. Yoga center of the department he]ps the cardiac patients in prevention and life style management
12.	Gastroenterology	Hepatitis-B Awareness Program for World Hepatitis Day
13.	Microbiology	Hepatitis B vaccination of all health care workers of the Hospital
14.	Neurology	1. Five talks on DD National and 1 talk on All India radio by Dr. Debashish Chowdhury. 2. Migraine day celebration as a part of World Brain day on 22nd July, 2019. 3. 2-day comprehensive training in epilepsy of around 500 staff members including Medical officers, nurses, caretakers at Asha Kiran complex, home for mentally challenged persons, Rohini, Delhi under the Department of Social welfare, Govt. of NCT of Delhi.
15.	Neurosurgery	"World Brain Tumor Day"
16.	Radiodiagnosis	Pulse polio program

FACILITIES ADDED TO THE INSTITUTION

S.No.	Department	Facilities
1.	Biochemistry	A new capillary electrophoresis apparatus with quantification of the fractions have been started., Special coagulation profile, Protein C and S, factor VIII .
2.	Dermatology	Patch Testing- A technique to detect the causative allergen in cases of Allergic Contact Dermatitis was started in the Contact Dermatitis Special Clinic and includes 3 series of allergens-Indian Standard Series, Cosmetic Series, Footwear Series.
3.	Microbiology	HBV& HCV viral load PCR, Anti-HBs. Antibodies quantitative, Zika Virus IgM & IgG ELISA, Anti-CMV IgG avidity ELISA, Anti- Rubella IgG, Anti-measles IgG antibodies in CSF ELISA, Anti-mumps antibodies quantitative ELISA, Anti-VZV IgG antibodies quantitative ELISA, Japanese encephalitis IgM in CSF ELISA, West Nile Virus IgM, EBV VCA- IgM ELISA, EBV VCA- IgG ELISA, Anti-HSV 1 &2 IgM in CSF. ELISA, PCR for Urine CMV,PCR for Bacterial, Viral Meningitis, JEV,EBV, HSV1&2.
4.	Ophthalmology	Hospital Cornea retrieval
5.	Pathology	Elisa reader, 6 part hematology analyser, Thermocycler, Pap Smear reporting started
6.	Pharmacology	The Post graduate and experimental research laboratory has been upgraded.Two more new laboratories- Pharmacogenomic and Chromatography laboratory are in process of being prepared.
7.	Radiodiagnosis	A state of the art, Full Field Digital Mammography with Breast Tomosynthesis equipment was installed in the Department.
8.	Radiotherapy	CT Simulator installed, Multispecialty tumor board started with Pathology, Radiodiagnosis and other Departments, Musculosketal tumor board started in coordination with Department of Orthopedics, Gastrointestinal tumor board in coordination with department of gastroenterology and gastrosurgery, GBPH.
Departments of GIPMER		
9.	Cardiology	New State of the art Ambulatory ECG monitoring system with 10 recorders were installed. In collaboration with Obstetric Department MAMC and LN Hospital, an Out Patient Clinic specifically catering to Pregnant women with heart diseases bas been started since December 2019, a first of a kind initiative among Delhi Government Hospitals and Medical Colleges.
10.	Gastroenterology	POEM procedure for Achalasia cardia,Therapeutic Drug Monitoring (TDM) for IBD on Biological Drugs
11.	Microbiology	Lyophilisation of bacterial strains , Internal quality control
12.	Neurology	Sate of Art Neurophysiology Lab upgraded and relocated
13.	Pathology	Electron Microscope : Installed and functional, Three Post Graduate seats in Pathology created with approval of MCI.
14.	Psychiatry	Child & adolescent psychiatry and Juvenile de-addiction special clinic- once a week each.
15.	Radiodiagnosis	3T MRI machine, MD (04 students) course was started

V. STUDENTS

1. ENROLMENT

During 2019, 250 students were admitted to M.B.B.S. course.

In the 33 full time courses leading to various post graduate degrees, diplomas and post doctoral 202 doctors were enrolled. During 2019, a total of 1320 under graduates (MBBS) were on the rolls of the college.

There are 200 interns and 497 doctors pursing postgraduates courses. Nearly 236 undergraduate students received financial assistance either from government or other agencies.

Our students have invariably excelled, both in the academic as well as extra curricular activities. Their performance in MBBS and MD /MS examinations has been remarkable. They have won many awards, medals and prizes received commendations by various National and State Organizations. It is a matter of pride that the students trained in this Institution complex command great respect and enjoy recognition abroad as well.

2. EXAMINATIONS
ROLL OF HONOUR – 2019

MBBS STUDENTS
(BASED ON MARKS OBTAINED IN THE UNIVERSITY EXAMINATION)

FIRST MBBS	MS. OJASVINI BALI
SECOND MBBS	MS. ANNESHA CHAKRABORTY
THIRD MBBS (PART-I)	MS. SHAGUN BATRA
THIRD MBBS (PART-II)	MS. NEHA BAIJAL

BDS STUDENTS
(BASED ON MARKS OBTAINED IN THE UNIVERSITY EXAMINATION)

FIRST BDS	MEHAK JAIN
SECOND BDS	AKSHITA MEHTA
THIRD BDS (PART-I)	ARCHANA
THIRD BDS (PART-II)	AARZOO PATHAK

3. LIST OF TOP TEN RANKED STUDENTS OF PROFESSIONAL EXAMINATION WITH MARKS

1ST MBBS 2019		2ND MBBS 2019	
Rank No.	**NAME OF THE STUDENT**	**Rank No.**	**NAME OF THE STUDENT**
1	Ms. Ojasvini Bali	**1**	Ms. Annesha Chakraborty
2	Mr. Ritvik Kumar Sahoo	**2**	Ms. Harshita Choudhary
3	Ms. Nishtha Agrawal	**3**	Ms. Riya tyagi
4	Ms. Jyoti Antil	**4**	Ms. Ishika Gupta
5	Ms. Kalpana Kumari	**5**	Ms. Dhairya Bansal
6	Mr. Nikhil Gupta	**6**	Ms. Anubha Mangla
7	Mr. Rudraksh Goel	**7**	Ms. Urvi Arya
8	Ms. Shivani Gupta	**8**	Ms. Yukti Arora
9	Mr. Rahul Kumar	**9**	Ms. Mansi Awana
10	Ms. Rakshita	**10**	Mr. Saurabh Kumar Shukla

3RD MBBS (PART-I) 2019		3RD MBBS (PART-II) 2019	
Rank No.	**NAME OF THE STUDENT**	**Rank No.**	**NAME OF THE STUDENT**
1	Ms. Shagun Batra	**1**	Ms. Neha Baijal
2	Sh. Rahul Amitabh	**2**	Sh. Ayush Agarwal
3	Sh. Sushant Agarwal	**3**	Sh. Navodit Sai
4	Ms. Priyanka Soren	**4**	Ms. Nitya Batra
5	Sh. Armaan Saith	**5**	Sh. Kunwar Ankit Mishra
6	Sh. Ibrhim Ilmi	**6**	Ms. Harshita
7	Ms. Arzoo	**7**	Sh. Kumad Pahwa
8	Ms. Supriya	**8**	Ms. Mokshita Malhotra
9	Sh. Divyansh Goyal	**9**	Sh. Harshvardhan Upreti
10	Ms. Anjali Birla	**10**	Ms. Shweta Koli

4. LIST OF AWARDEES

S. No	NAME OF THE AWARDEE	NAME OF THE AWARD
1	Ms. Neha Baijal	Dr. MADAN GOPAL SATYA DEVI GARG MEDAL Best Student in Final MBBS University Exam
		DR. P.P. GOEL GOLD MEDAL Stood 1st in the Final MBBS
		PROF. SWARAJ BATRA GOLD MEDAL Best Final Year MBBS girls student
		KALAWATI JAGAN NATH SINGH MEMORIAL AWARD Best Student in Pediatrics
		DR. K.C. GOYAL AWARD Best two Final MBBS Students
		LORD SHIVA CHARITABLE TRUST For best girl student in Medicine in Final MBBS Exam
		CAPT. S.S. RAMPAL GOLD MEDAL Best student in Medicine & Surgery
		DR.O.P. TANEJA MEMORIAL AWARD Best Student in Surgery
		SMT. MOHINDER KAUR MEMORIAL AWARD Best Student in Surgery
		GEN. D.R. THAPAR GOLD MEDAL Best student in Surgery (University Marks+ Internal Assessment)
		DR. S.N. MUKHERJEE GOLD MEDAL Best student in Obstt. & Gynae
		DR. DHARAMVIR GOLD MEDAL Best Medical Graduate
2	Mr. Ayush Agarwal	DR. K.C. GOYAL AWARD Best two Final MBBS Students
		DR. K.K. MODAWAL MEMORIAL GOLD MEDAL Best student in Medicine
		DR. SANJAY SIDHWA MEMORIAL GOLD MEDAL Best student in Medicine
		CAPT. S.S. RAMPAL GOLD MEDAL Best student in Medicine & Surgery
3	Mr. Sushant Agarwal	COL. BARKAT NARAIN MEMORIAL GOLD MEDAL Best student in P.S.M.
4	Ms. Anjali Birla	Smt. PARVATI DEVI MEMORIAL AWARD Best student in Ophthalmology
5	Mr. Divyansh Goyal	Smt. PARVATI DEVI MEMORIAL AWARD Best student in Ophthalmology
6	Ms. Priyanka Soren	SHIV RAM VIDYAWANTI KAKKAR MEMORIAL AWARD Best student in E.N.T.
		Sota Saharia Gold Medal Best Student in highest marks in consolidated Eye & ENT.
7	Ms. Aneesha Chakarborty	DR. R.P. KHERA MERIT AWARD Best student in Microbiology [passed degree in 1st attempt in all the exam and secured Max. marks in Micro.]
		SARLA DEVI GOLD MEDAL Best student in Pharmacology (University+ Internal Assessment)

8	Ms. Shagun Batra	COL. TANEJA GOLD MEDAL Best student in II MBBS
9	Ms. Yukti Arora	DR. TULSI RAM GOLD MEDAL Best student in Pathology ((University+ Internal Assessment)
10	Ms. Ojasvini Bali	KUMARI MALLAMPALLI PADMAVATI MEMORIAL PRIZE Best Girl student in 1st MBBS University Exam.
		RACHNA SRIVASTAVA MEMORIAL GOLD MEDAL Best student in Biochemistry
		DR. HUKAM CHAND GOLD MEDAL Best student in Anatomy (Based on Univ. & Internal assessment Marks)
		LATE PROF. VISHWA MITTER CHARNALIA ENDOWMENT AWARD For BEST Student in Anatomy
11	Mr. Ritwik Kr. Sahoo	MAMC-APPI SILVER JUBILEE AWARD Best student for all round performance in the in subject of Physiology / Best student in Physiology on the basis of highest percentage of marks in the 1st MBBS University Exam
		SMT. SHAKUNTALA SETHI AWARD Best student in 1st MBBS
12	Ms. Aarzoo Pathak	N.C. SANGAL MEMORIAL GOLD MEDAL Best student in Conservative Dentistry
		P. P. Sahni Award Top BDS Final Year Student
13	Dr. Kunal Kumar	DR. MANOJ KAPOOR MEMORIAL MEDAL Best P.G. 3rd Year student in Pediatrics
14	Dr. Lity Dhar And Dr. Deepika	DR. R.P. MATHUR MEMORIAL AWARD Best 3rd year outgoing Junior Resident in Pathology
15	Dr. Chandan Sharma	DR. SUDHIR REHAN MEMORIAL AWARD Best 3rd year outgoing P.G. student in Medicine
16	Dr. Pawanindra Lal Dr. Rajesh Sagar	ALUMNUS AWARD
17	Dr. Jagriti Dr. Gayathri Ranie	PYARELAL SHARMA & BISHAN DEVI GOLD MEDEL For best thesis in clinical Department
18	Dr. Deepika	PYARELAL SHARMA & BISHAN DEVI GOLD MEDEL For Best Thesis in Non-Clinical Department
19	Ms. Roohi Sobti	P.L. KHURANA MEDAL Best student in Dental Surgery
20	Mr. Saharsh Singh	DR. VIDYA RATTAN SEHGAL M.D. AWARD For all round performance in MBBS (sports & extra-curricular activities)
21	Ms. Navita Jain	DR. K.B. SHARMA ROLLING TROPHY For best contribution to corporate life of college
22	Ms. Bhavya Swarankar	PROF. V.N. SEHGAL MEDAL For excellence in MD (Dermatology including Leprosy & STD) –on the basis of internal assessment, excellence in Exam. followed by a special via-voce.
23	Ms. Navita Jain	LT. GOVERNOR`S ROLLING TROPHY For all round MBBS Student
24	1. Paediatrics Department 2. Community Medicine	FLEMMING TROPHY For the best Research work in the Clinical Deptt.
25	Dr. Surbhi Wadhwa	Dr. BISHAN SWAROOP MATHUR Young Scientist Award
26	Mr. Pranav Mohan Singhal	Dr. R P Gupta Memorial Gold Medal Best PG in Surgery

List of MBBS Students

S.No.	Batch	Name
1.	2013	Aashish Yadav
2.	2013	Akanksha Jakhar
3.	2013	Akash Mandal
4.	2013	Anju Jorwal
5.	2013	Arpita Joshi
6.	2013	Arun Mehta
7.	2013	Ata Mohummed
8.	2013	Balkishan Gupta
9.	2013	Bhawna Saini
10.	2013	Chinmay Verma
11.	2013	Deepak Kumar
12.	2013	Divya
13.	2013	Divya Khatana
14.	2013	Gayatri Meena
15.	2013	Hemant Kumar
16.	2013	Himanshu
17.	2013	Kanchan Pushkar
18.	2013	Kanukolanu Bhavana Sekhar
19.	2013	Kirtika Tolia
20.	2013	Madiha Yahya
21.	2013	Manish Sidharth
22.	2013	Monika Yadav
23.	2013	Navin Yadav
24.	2013	Neha Singh
25.	2013	Pooja Meena
26.	2013	Prachie Garg
27.	2013	Praveen Kumar Barala
28.	2013	Priyank Doodani
29.	2013	Rohit
30.	2013	Sam Gamlin
31.	2013	Satish
32.	2013	Sunil Yadav
33.	2013	Yash Kumar Rajora
34.	2013	Suresh Kumar
35.	2013	Aman Prasad

S.No.	Batch	Name
36.	2013	Saqib Ahmed
37.	2013	Akansha Singh
38.	2013	Akash Saini
39.	2013	Manisha Yadav
40.	2013	Mayank
41.	2013	Naman Khokhar
42.	2013	Nasheeta Usman
43.	2013	Sandeep Kumar Yadav
44.	2013	Satish Kumar
45.	2013	Sharique Alam
46.	2013	Shipra Yadav
47.	2013	Vimal Chaudhary
48.	2013	Zulutemjen Tally
49.	2013	Kabit Darang
50.	2013	Aakash Singhal
51.	2013	Suresh Kuamr
52.	2013	Anju Jorwal
53.	2013	Saqib Ahmed
54.	2013	Ata Mohummad
55.	2014	Aarti Sharma
56.	2014	Aarushi Mittal
57.	2014	Aashaka Hitesh Makwana
58.	2014	Aayush Majumdar
59.	2014	Abhijeet Haldhar
60.	2014	Abhilasha
61.	2014	Abhilasha
62.	2014	Adiba
63.	2014	Aditi Priya Prasad
64.	2014	Aditi Rathi
65.	2014	Akanksha Raj
66.	2014	Akshat Verma
67.	2014	Akshay Sharma
68.	2014	Akshit Tuli
69.	2014	Akshita Jakhar
70.	2014	Alan Shaji

S.No.	Batch	Name
71.	2014	Alfa Shamim Saifi
72.	2014	Amit Jajodia
73.	2014	Amit Kumar
74.	2014	Amit Saroha
75.	2014	Amit Singh
76.	2014	Anjali Sinha
77.	2014	Ankit Anand
78.	2014	Anshika Tyagi
79.	2014	Anushrey Singhal
80.	2014	Anya Arora
81.	2014	Apurv Gupta
82.	2014	Archana
83.	2014	Archana Singh
84.	2014	Archit Garg
85.	2014	Ashima Gupta
86.	2014	Ashna Jain
87.	2014	Ashmita Anand
88.	2014	Ayush Agarwal
89.	2014	Ayush Goel
90.	2014	Bharati
91.	2014	Bhuvneshwar
92.	2014	Bishman Singh
93.	2014	Deepak Yadav
94.	2014	Hari kishan
95.	2014	Harpinder Singh
96.	2014	Hemant Soni
97.	2014	Himanshi Yadav
98.	2014	Himanshu
99.	2014	Himanshu
100	2014	Himanshu Garg
101	2014	Ishu Yadav
102	2014	Jaideep Singh Bhalla
103	2014	Jaspreet Kaur
104	2014	Jishnu Prasanna Bhattacharjee
105	2014	Kajal
106	2014	Kanav Khanna
107	2014	Kaustav Jain
108	2014	Lipton Mitra

S.No.	Batch	Name
109	2014	Loveneesh Dagar
110	2014	Manisha Sura
111	2014	Mansi Bansal
112	2014	Manvi
113	2014	Megha Gupta
114	2014	Mili Rohilla
115	2014	Mohd.Aamir Khan
116	2014	Mohit Kumar
117	2014	Moninder Singh Bhati
118	2014	Navdeep Singh Keer
119	2014	Nikita Dhankhar
120	2014	Nischay Gupta
121	2014	Nisha
122	2014	Nishi
123	2014	Nitish Kant
124	2014	Nitish Kumar
125	2014	Omeshwer Koli
126	2014	Parakh Gulati
127	2014	Parvez
128	2014	Payal Kashyap
129	2014	Piyush Aggarwal
130	2014	Pooja Ahalawat
131	2014	Pooja Gupta
132	2014	Pooja Kundu
133	2014	Poonam
134	2014	Pranjal Singh
135	2014	Pranshu Jain
136	2014	Pratibha
137	2014	Preeti Saxena
138	2014	Priya Rohilla
139	2014	Priyank Sood
140	2014	Priyanka Sagar
141	2014	Radhika Aggarwal
142	2014	Rahul Dhamija
143	2014	Rajat Rathore
144	2014	Rhea Bharti
145	2014	Rinki Kumari Meena
146	2014	Ritika

S.No.	Batch	Name
147	2014	Rongali Teja Prashant
148	2014	Sachin Kumar Goel
149	2014	Sagar Sindhu
150	2014	Sanchit Aggarwal
151	2014	Saurabh Dhaka
152	2014	Shanu Saurabh
153	2014	Sheetal Behl
154	2014	Shikhar Gupta
155	2014	Shivani Pathania
156	2014	Shivani Thakur
157	2014	Shivani Vasisht
158	2014	Shreya
159	2014	Shreya Chauhan
160	2014	Shubham Goyal
161	2014	Shubham Kumar
162	2014	Simran Dahiya
163	2014	Smriti Gupta
164	2014	Sonali
165	2014	Sreehari V Anil
166	2014	Srishti Bhowmik
167	2014	Suchita Jain
168	2014	Sugandha Summan
169	2014	Sumit Kumar
170	2014	Sumit Kumar
171	2014	Surbhi Kumar
172	2014	Swapnil Suman

S.No.	Batch	Name
173	2014	Talia Afreen
174	2014	Tanisha Kalara
175	2014	Tanmay Agarwal
176	2014	Tanmay Roy
177	2014	Tanya Singhal
178	2014	Tejaswin
179	2014	Teyongtangla Imsong
180	2014	Unique Miglani
181	2014	Upasna
182	2014	Ushashi Saraswati
183	2014	Vaibhav Aggarwal
184	2014	Vaibhav Gulati
185	2014	Vaibhav Nagpal
186	2014	Vidit Bansal
187	2014	Vijaita
188	2014	Vineet Goel
189	2014	Vineet Kumar Batwani
190	2014	Vishal Garg
191	2014	Vivek Maunjal
192	2014	Yagya Ahlawat
193	2014	Yogansh Gupta
194	2014	Anmol Kanwar
195	2014	Manish Sidharth
196	2014	Pooja Meena
197	2014	Sundram Saurabh
198	2014	Ankur Kumar

LIST OF M.D./M.S./Diploma
PASSED OUT 2019

S. No.	Department	Name of Students	
1	ANATOMY	DR. NIDHI MANGLA	
2	ANAESTHESIA	DR. ABHIJIT KUMAR	DR. MALVIKA GUPTA
		DR. APOORV JAIN	DR. MOUSUMI SAHA
		DR. DEEPAK G.P	DR. PRAJWAL GOWDA. C.
		DR. DEEPAK KUMAR	DR. SHEFALI SINGH
		DR. KULDEEP SINGH	DR. SONAL CHANDRA
3	BIOCHEMISTRY	DR. ELIZABETH ZOTHANMAWII	DR. MONICA IRUNGBAM
		DR. KAUSHAL PARKASH	DR. SABA AMIN KHAN
4	COMMUNITY MEDICINE	DR. ABANI KUMAR SAHOO	DR. MOHAMMAD RASHID
		DR. HITAKSHI	DR. WARISHA MARIAM
		DR. MAYURI ASHOK ROTTI	DR. SAKET PARASHAR
5	DERMATOLOGY	DR. BHAVYA SWARNKAR	DR. SHANTHY DEVADASAN
		DR. NITU	
6	FORENSIC MEDICINE	DR. ABHISHEK THAKUR	DR. UTKARSH
7	MEDICINE	DR. ISHAN ROHATGI	DR. PRIYANKA VERMA
		DR. KARAN CHHABRA	DR. QUTUBUDDIN
		DR. KARTHIKEYAN .P	DR. RAM KUMAR .M
		DR. MAHANTESH PARAPPA GANIGER	DR. RASHMI MISHRA
		DR. MAONGTOLA JAMIR	DR. RAJAT BANSAL
		DR. NILADRI DAS	DR. ROOPA SHARMA
		DR. POOJA ANAND	DR. RUBHIKA A
		DR. PRABHU. V	DR. SOHINI HALDER
		DR. PRASHANT THANDI	
8	MICROBIOLOGY	DR. ABHISHEK YADAV	DR. SHARIN VARMA
		DR. NEHA RANA	DR. SUSHIL TOMAR
9	OBSTETRICS & GYNAECOLOGY	DR. AASHIMA ARON	DR. PRIYANKA
		DR. AASTHA RAHEJA	DR. RINI PACHORI
		DR. APARNA SETIA	DR. SADHANA MEENA
		DR. DIVYA SINGH	DR. SONIA GOSWAMI
		DR. GARIMA SINGH	DR. TARANG PREET KAUR
		DR. KHUSHBOO TONGARIA	
10	OPHTHALMOLOGY	DR. ANKITA	DR. PRATEEK KUMAR
		DR. CHARU SAGAR	DR. RAFFAT ANJUM
		DR. GOTMARE NIKHIL DATTATRAYA	DR. SIMMY CHAUDHARY
		DR. LAVI MANGALA	DR. SWATI GUPTA
		DR. MONIKA YADAV	DR. VED PRAKASH
		DR. NEHA SANDHU	
11	ORTHOPAEDICS	DR. GAURANG AGARWAL	DR. RAJEEV YADAV
		DR. KESHAVE SINGH	DR. SHREESH KADUR J.M.
		DR. NISHANT BHATIA	DR. YASIM
		DR. PRATEEK GOEL	
12	PAEDIATRICS	DR. AKSHITA SONI	DR. PREETI DESWAL
		DR. MOHSINA NAJ	DR. PRIYANKA BHATIA
		DR. MUTHUVEI. R	DR. RAJESH KUMAR
		DR. NAINA KASHYAP	DR. RANJAN NEHA

		DR. P. THIVYA	DR. RISHIKA DAS
		DR. PAVITHRA. V	DR. SHATRISHNA
		DR. PEPU JINI	DR. SHOBANA .J
13	PATHOLOGY	DR. KIRTI BALHARA	DR. RABISH KUMAR
		DR. NEELAKSHI GOYAL	DR. SNEHA GOSWAMI
		DR. PRITIKA KUSHWAHA	
14	PHARMACOLOGY	DR. AYUSH JAIN	DR. VIKRAM JIT SINGH
15	PSYCHIATRY	DR. GUNJA SENGUPTA	
16	RADIODIAGNOSIS	DR. ELVIS RAJA	DR. PRINCE DAS
		DR. MALVIKA GULATI	DR. RAGHAVENDRA H.K.
		DR. PAWAN KUMAR	DR. RAJESH. V.
17	RADIOTHERAPY	DR. MANISH DUTT	
18	ENT	DR. NIVEA SINGH	DR. RUKAMANI MEENA
		DR. RAMAN SHARMA	
19	SURGERY	DR. ABHILASH REDDY. D	DR. NAVEEN KUMAR SOLANKI
		DR. DAVINDER KOLI	DR. PRANAV MOHAN SINGHAL
		DR. DEEPIKA SINHA	DR. RAHUL SAINI
		DR. GAUTAM SHUBHANKAR	DR. SACHIN CHOUDHARY
		DR. GUMI PADU	DR. SADDAM HUSSEIN H.S.
		DR. LOHITH. P	DR. SAWANT GAURISH OMPRAKASH
		DR. MEHUL AGARWAL	DR. VINEET KUMAR PANDEY
		DR. MOHAMMED TAHER MUJAHID	DR. VIRENDRA KUMAR SONI
20	ANAESTHESIA (DA)	DR. ANKUR	DR. PRANAY NIJHAWAN
		DR. ARCHNA BHARTIYA	DR. SANGEETA
		DR. PRIYANSHU KUMAR RANJAN	
21	DERMATOLOGY (DDVL)	DR. PREETI KUMARI GUPTA	
22	OBSTETRICS & GYNAECOLOGY (DGO)	DR. GEETANJALI GUPTA	DR. SHEETAL SHARMA
		DR. RUCHI	
23	OPHTHALMOLOGY (DO)	DR. ABHINAV KACHOLIA	DR. URVASHI KALA
		DR. ANISH KUMAR TIWARY	
24	PAEDIATRICS (DCH)	DR. GAURAV KUMAR MEENA	
25	RADIODIAGNOSIS (DMRD)	DR. ANKITA	

LIST OF M.Ch. (PAEDIATRIC SURGERY) & DM(Neonatology) PASSED OUT 2018

S. No.	Department	Name of Students	
1	M.CH (PAEDIATRIC SURGERY)	DR. NITIN JAIN	DR. KUMAR ASHISH
		DR. PRASHANT K. ZULPI	DR. SACHIN BANSAL
2	D.M (NEONATOLOGY)	DR. SOMALIKA PAL	DR. NIDHI JAIN

VI: MISCELLANEOUS

AUDITORIUM AND LECTURE THEATRES

Auditorium is centrally air conditioned and well equipped with both audio & visual facility conducive for holding conferences and cultural events. The different lecture theaters at Maulana Azad Medical College are all centrally air conditioned and are fitted with audio-visual facility for holding lectures and organizing Seminars and Symposium.

EQUIPMENT AND STORES

Modern methods of the inventory control for maintaining the cost economy, optimal level of stock and checking of wastage have been put into operation. The purchases are approved by a purchase committee.

ANIMAL HOUSE (Pharmacology)

Head of Department: Dr. Vandana Roy, Director Professor

Faculty: Dr. Akhilesh Mishra, Veterinary Officer

The Central Animal Facility is utilized by multiple departments. At present Department of Pharmacology, Physiology & Bio-chemistry are utilizing the facility . The CAF is working as per Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) guidelines and it is reviewed by CPCSEA nominee annually.

New facilities added:

A routine health monitoring laboratory setup for experimental animals has been added.

SPIC MACAY chapter

Student orientation of SPIC MACAY (Society for Promotion of Music Art & Culture Amongst Youth) **activities.** Dr Vandana Roy is the Faculty Coordinator.

To sensitize the First Year students of the college an orientation session was held on August 22nd 2019. Ms Sarawati (Delhi Coordinator, SPIC MACAY) and Mr Anish Mishra, Ms Sahitya Rajagopal (Volunteers, SPIC MACAY) gave them a overview of the activities of SPIC MACAY. The club organized a bhataynatyam Dance Recital by Ms Dakshina Vaidtyanathan Baghel.

The college organized a Heritage festival- Virasat 2019, in collaboration with SPIC MACAY from April 2nd to 7th, 2019. The following artists performed and interacted with the students and staff in the college. Nadaswaram by Shri T.V.S Kunduswamy & troupe, Geeta Chandran (Padma Shri), (*Bharatnatyam recital*).Accompanied by: Shri S. Shankar (*Nattuvangam*), \Shri K.Venkateshwaran (*Vocal*), Shri Manohar Balatchandirane (*Mridangam*), Shri Raghavendra Prasath (*Violin*), Madhura Bhrushundi (*Dance Assistant*), Pt. Shubhendra Rao (*Sitar*) , Smt. Saskia Rao-de Haas(*Cello*), Shri Ashish Sengupta (*Tabla*), Char Yaar (*Sufi music*), Shri Madan Gopal Singh (*Vocal*) , Shri Deepak Castelino (*Guitarist, Banjo*), Shri Pritam Ghosal (*Sarod*), Shri Amjad Khan (*Percussion*). Ustaad Sultan Hussain Niyazi & troupe (*Qawwali*).

Madhubani painting workshop by Shri Avdhesh Kumar Karn & Smt. Anubha Karn
Heritage walk: Sunder Nursery (near Humanyun's Tomb) withSmt. Aradhana Sinha
The students organized a painting exhibition and decorated the ground floor corridors and foyer of Pathology block.

Gurukool

1. Interns' Orientation- On Jan 1, 2019.
2. Outreach programme to Gadchiroli, Maharashtra from Jan 5-10, 2019.
3. Vivekanand Jayanti Celebrations on 12th Jan
4. Picnic to Deer Park: A picnic for students and faculty on 13th Jan, 2019.
5. Chaupal: weekly meetings
6. Book Launch**:** "No One Fights Alone", an anthology with many contributions coming from MAMC students on Feb 16, 2019.
7. VIHASA: The second session with the theme being "Cooperation" on March 30, 2019.
8. Nutrition Workshop - In association with Physicians Committee for Responsible Medicine. This was followed by screening of the documentary "What The Health" on July 5, 2019.
9. Fresher's Orientation :On August 1, 2019.
10. Campus Tour : August 8-9, for the first years .
11. Surviving MBBS:The second edition of "Surviving MBBS 101" a unique concept event based on the Human Library format was organized by MAMC Times on August 20, 2019.
12. MASHAAL: A Leadership program for Health System Strengthening" with 23 participants comprising of students, residents and faculty from institutes like MAMC &UCMS (Delhi), KEM&LTMC (Mumbai), PGI (Chandigarh), and BJMC (Pune) at unque location of Gadhciroli, Maharashtra. The program was from 14th to 18th of August.
13. 3rd Semester Orientation :To highlight the importance of clinical postings.
14. MAMC Dialogues **:**To mark Teacher's day and also the foundation day of Gurukool, with speakers from different walks of life.
15. I LOVE MAMC: The constructed artwork, is a highlight of MAMC campus now and forever.
16. Medical checkup camp at Prahladpur to celebrate birthday of Mahatma Gandhi on 2ndOctober.
17. World Mental Health Day: DOST set up a Happiness Counter at Nesci, Maulana Azad Medical College on 10th October.

PART- II

DEPARTMENT WISE REPORT
A. DEPARTMENT OF MAMC

Information Report for the period from 01/01/2019 to 31/12/2019

ANATOMY

1. **Name of the Head of the Department:** Dr. Sabita Mishra

S.No.	Name of the Faculty	Designation
1	Dr.Neelam Vasudeva	Director Professor
2.	Dr.Sabita Mishra	Director Professor
3.	Dr.R.Q. Khan	Professor
4.	Dr.Dinesh Kumar	Professor
5.	Dr.Anita Mahajan	Professor
6.	Dr.Surbhi Wadhwa	Associate Professor
7.	Dr.Babita Pangtey	Associate Professor
8.	Dr. Preeti Goswami	Associate Professor
9.	Dr. Swati Tiwari	Assistant Professor
10.	Dr. Shikha Singh	Assistant Professor
11.	Dr. Anita Tuli	Consultant

2. Members who have left during the period : Nil

3. Additions to the Faculty during the period :

S.No.	Name of the Faculty	Designation	Whether newly joined /promotion
1	Dr.Anita Tuli	Consultant	Re-employment

4. Research Scheme:

i) On going project:

a) Expression of Ghrelin in developing human stomach. Dr S Mishra, Dr. N.Vasudeva supported by Govt of NCT under the plan scheme "Strengthening of Medical Research at MAMC".

b) Stereological quantification of human fetal gastric mucosa. Dr. Babita Pangtey, Dr S Mishra, Dr. N.Vasudeva supported by Govt of NCT under the plan scheme "Strengthening of Medical Research at MAMC".

c) Stereoscopic anatomy of the petrous part of the temporal bone and skull base. Dr. Surbhi Wadhwa, Dr S Mishra, Dr. N.Vasudeva supported by Govt of NCT under the plan scheme "Strengthening of Medical Research at MAMC"

d) Expression of Aquaporin 1 & 2 in the developing human kidney. Dr Surbhi Wadhwa.

e) New cadaveric preservation technique- Modified Thiel Embalming. Dr. Preeti Goswami, Dr. N.Vasudeva, Dr. Dinesh Kumar supported by Govt of NCT under the plan scheme "Strengthening of Medical Research at MAMC".

f) Karyotyping of foetal blood sample of foetuses received for autopsy in theDepartment of Anatomy. Dr Anita Mahajan, Dr Dinesh Kumar, Dr Neelam Vasudeva, Dr Sabita Mishra supported by Govt of NCT under the plan scheme "Strengthening of Medical Research at MAMC".

(b) **Details of thesis completed during current year:**

Dr Sabita Mishra was Co supervisor for thesis for degree of MD Physiology entitled 'Neuroprotective potential of Ellagic acid and Epigallocatechin 3 gallate against 6 hydroxydopamine induced rat model of Parkinson's disease.'

6. Training course/Conferences /Workshops organized;

A workshop on **'**Preservation Techniques of Human Body-Chemical & Digital Preservation and Museology' was held on 20th-21st December 2019 with Dr. Sabita Mishra, Chairperson and Dr. Dinesh Kumar, Organizing Secretary.

7. **Publications during the period:**

1. Vineeth Verma, Vineet Dabas, Saiket Jena, Sabita Mishra, A K Dhall. Study of anatomical variations of 1,2 intercompartmental supraretinacular artery-based vascularized bone graft in cadavers; Indian Journal of Orthopaedics. November 2019;
2. Kahkashan Jeelani, Neelam Vasudeva, Sabita Mishra. Expression of Fibroblast and Growth Factor-10 during histogenesis of Human Lung in Prenatal Period. Journal f Anatomical Society of India. Page 7-11, Volume 68. January- March, 2019.
3. Deepika Poonia, Preeti Goswami, Sabita Mishra. Sub-hepatic Caecum with Extra-pelvic Looped Sigmoid Colon: An Embryological and Clinical Perspective case report. International Journal of Contemporary Medical Research 6(9):14-16 October 2019;. DOI10.21276/ijcmr.2019.6.9.40
4. Sabah Yaseen, Preeti Goswami, Sabita Mishra**.** Topography of the nutrient foramen of human adult fibula and its clinical implications. International Journal of Scientific Research 8(7):3-5 August 2019.
5. Deepika Poonia, Anita Mahajan, Sabah Yaseen Shah, Sabita Mishra. Unusual formation of median nerve and occurrence of musculoaponeurotic band in the course of median nerve in arm: a clinicoanatomical study. IJSR 2019 July: 8(7); 10-11.
6. Sabah Yaseen, Surbhi Wadhwa, Kahkashan Jeelani, Sabita Mishra. Abnormal persistence of embryonic blood supply of liver. Anatomist's Delight, Surgeons Nightmare, Acta Medica, DOI-10.14712/18059644.2019.168.
7. Morphology of suprascapular notch and its clinical significance. Sachin Patil, Sandeep Saluja, Neelam Vasudeva. International Journal of Anatomy and Research 2019, Vol 7 (2.1):6420-23.
8. Sabah Yaseen, Surbhi Wadhwa, Kahkashan Jeelani, Anita Mahajan, Sabita Mishra. Abnormal Persistence of Embryonic Blood supply of Liver: Anatomist's Delight, Surgeon's Nightmare.: Acta Medica2019, 62: 72-76.
9. Poonam Shilal,Sneh Agarwal,Anita Tuli,Smita kakar,. Variation in drainage pattern of middle hepatic and left hepa tic vein in the left lobe of liver .Journal of Clinical and Diagnostic Research2019 May15 09AC13-AC17
10. SandeepSaluja,Sneh Agarwal,Shipra Paul,Anita Tuli,Shashi Raheja,Sarika Rachel Tigga Morphometric Analysis o f the sacral Hiatus in Indians: Its clinical importance.int.J Anat.Res.2019vol7(1.1:6064-70)
11. Kumari Savita,Tuli Anita,Agarwal Sneh.Morphology of plantaris longus with special reference to its clinical impor tance.Int J Anat Res 2019 Vol7(4.2);7101-04.
12. Kumari Savita, Tuli Anita, Agarwal Sneh.Morphology of plantaris longus with special reference to its clinical importance. Int J Anat Res 2019; 7(4.2: 101-04)

Awards

1) Dr Dinesh Kumar was awarded the FAIMER fellowship in 2019.
2) Dr Surbhi Wadhwa was elected Member of National Academy of Medical Sciences at 59th Convocation of NAMSCON at Bhopal

8. Books/Chapters/Contributed:

Dr Sabita Mishra has edited the South Asian edition of Langman's Medical Embryology. (Publisher: Wolters Kluwer, New Delhi; Year: 2019)

Dr Sabita Mishra, Dr Neelam Vasudeva, Dr Dinesh Kumar, Dr Anita Mahajan,Surbhi Wadhwa, Dr Preeti Goswami, Dr Babita Pangtey, Dr Swati Tiwari and Dr Shikha Singh contributed to several chapters in the workshop handbook on Preservation Techniques of Human Body. Chemical and Digital (3 D Printing) Preservation and Museology, 2019.

9. Conferences/Workshops/Symposiums attended:

a) Dr. Sabita Mishra, Dr Anita Mahajan, Dr Surbhi Wadhwa, Dr Babita Pangtey, Dr Preeti Goswami, Dr Swati Tiwari, Dr Shikha Singh, Dr Shahid Bakhsh, Dr Motiram Khandode, Dr Shilpa Gorla, Dr Nishat Parveen attended the National Conference of Anatomical society of India, **NATCON 67,** from 18-20th November 2019 at New Delhi
   i. Dr. Preeti Goswami presented a poster on Morphometric study of glenoid cavity with clinical significance.
   ii. Dr. Babita Pangtey attended NATCON 67 held at New Delhi from 18 to 20 November 2019 and presented a poster on Pentology of Cantrell: a case report with rare fetal autopsy findings and embryological annotations.
   iii. Dr Swati Tiwari gave an oral presentation on Stained brain sections: An effective way to study sectional neuroanatomy.

iv. Dr Shikha Singh presented a poster on Multiple variations in branches of abdominal aorta: clinical insight into a unique conglomeration.
v. Dr Nishat Parveen gave an oral presentation on A study of fetal posterior cerebral artery through CT Angiography and clinical significance.
vi. Shahid Bakhsh Rangrej gave an oral presentation on Variant anatomy of inferior mesenteric artery and its clinical considerations.
vii. Dr Motiram Khandode presented a paper on dorsal wall defect of dry human sacrum with sacralisation of fifth lumbar vertebra and its clinical importance: a case report.
viii. Dr Pooja Dawani gave an oral presentation on Morphometric study of superficial palmar arches of hand- a clinicoanatomical insight.

b) Dr. Anita Mahajan and Surbhi Wadhwa attended **Curriculum Implementation Support Program** held at MAMC New Delhi from 25th -27th September 2019.
c) Dr. Surbhi Wadhwa attended 59th**NAMSCON** from 12-13th October 2019 at Bhopal.
d) Dr Sabita Mishra, Dr Dinesh Kumar, Dr Shikha Singh, Dr Kahkashan, Dr Motiram and Dr Sabah Yaseen Shah attended CME cum Awareness progamme on **'Body & Organ Donation- Live Beyond life'** on 18th September 2019 at Government Institute of Medical Sciences, Greater Noida, UP
e) Dr Shikha Singh Sensitization workshop for Attitude, Ethics and Communication (**AETCOM**) MODULE organized by MCI, regional centre, at MAMC, New Delhi.
f) Dr Swati Tiwari and Dr Shikha Singh attended the Revised basic course workshop on **medical education technologies** organized by MCI, regional centre, at MAMC, New Delhi in Dec 2019.
g) Dr Sabita Mishra and Dr Swati Tiwari attended the 37th Annual meeting of the **Indian Academy of Neurosciences** held at AIIMS New Delhi from Nov 19-21, 2019.

11. Significant Events (Honors to faculty):

a) Dr Sabita Mishra delivered a guest lecture on History of Embalming at CME cum Awareness progamme on 'Body & Organ Donation- Live Beyond life on 18th September 2019 at Government Institute of Medical Sciences, Greater Noida, UP.
b) Dr Sabita Mishra delivered a guest lecture on Body Donation at Hamdard Institute of Medical Sciences and Research at New Delhi in Nov 2019.
c) Dr Anita Tuli has reviewed articles for the following journals:
    i. Jounal of clinical anatomy
    ii. Brachial plexus
    iii. Journal of anatomical society of india
    iv. Journal of clinical and diagnostic research
    v. Journal of morphology
d) Dr Dinesh Kumar delivered a guest lecture on Legal aspects of body and Organ donation at CME cum Awareness progamme on 'Body & Organ Donation- Live Beyond life on 18th September 2019 at Government Institute of Medical Sciences, Greater Noida, UP.
e) Dr Dinesh Kumar delivered a lecture on:Gene Environment Interaction at North East Regional CME 2019 on 'Infertility, Genetics and Lifestyle - Decoding the Link' organized by the Dept. of Anatomy, NEIGRIHMS, Shillong, on 12th September, 2019

13. Representation on expert Committee/Bodies:-

1) Dr Neelam Vasudeva: Chairperson of Sexual harassment committee
2) Dr Sabita Mishra: Academic officer
3) Dr Sabita Mishra, Dr Anita Tuli, Dr Dinesh Kumar and Dr Swati Tiwari are members of **Anatomy and Forensic Sciences Equipment Sectional Committee, MHD 23** under Medical Equipment and Hospital Planning Division Council (MHDC) of Bureau of Indian Standards.
4) Dr. Dinesh Kr.: Purchase Officer, Member of Sports committee and member of PG committee at MCI.
5) Dr. N. Vasudeva and Dr. Dinesh Kumar are honorary faculty members in Department of Medical Education MAMC which conducts National Teachers Training Courses and MCI basic workshops for teaching medical faculty from all over India.
6) Dr Anita Mahajan: Member of PG Protocol Committee and Faculty advisor with Fine arts Committee, PWD committee and Grievance cell.

14. Health Services to the Community:

1). The entire staff participates in the national programme on Pulse Polio Eradication.

2. The department participates in awareness drives in the community regarding Voluntary body donation.

15. Lab Data:-

1) Name of the Lab: Cytogenetics and molecular genetics lab

2) Name and no. of the test performed: Cytogenetic analysis- 50

DNA Extraction - 50

16. Any other worth mentioning information

(a) The Department of Anatomy is a centralized facility for embalming.

(b) The Department is recognized center for voluntary body donation.

(c) The Department is Institutional center for Fetal Autopsy.

(d) The Department of Anatomy is a center for the following teaching programs :-

i. MBBS Bachelor of Medicine and Bachelor of Surgery.

ii. Bachelor of Dental Sciences.

iii. B.Sc. Nursing.

iv. Interdisciplinary postgraduate and superspeciality teaching of Neurosurgery, Cardio- Thoracic Surgery department of MAMC & GIPMER.

v. Interdisciplinary postgraduate teaching of ENT, Orthopedics and Surgery department of MAMC & LNH.

ANAESTHESIOLOGY & INTENSIVE CARE

1. **Name of Head of the Department**: Dr Kirti Nath Saxena
2. **Members who have left during the period**: Dr Preeti Thakur, Specialist Grade II
3. **Additions to the faculty during the period**: Nil
4. **Research Scheme**

a) Ongoing project

1. Use of proseal laryngeal mask airway with pressure-controlled ventilation with positive end expiratory pressure in improving oxygenation in paediatric population. Dr. Arpit Singh, Dr. UC Verma, Dr. Kavita Rani Sharma, Dr Anju R. Bhalotra, Dr Mona Arya.
2. Comparision of postoperative stress in children receiving standard perioperative care versus perioperative conditioning by measurement of salivary cortisol levels. Dr. Himanshee Rathi, Dr. UC Verma, Dr. Kavita Rani Sharma, Dr Anju R. Bhalotra.
3. Role of pleth variability index in predicting the incidence of post spinal hypotension in parturients undergoing caesarean delivery. Dr. Merin Sara Abraham, Dr. UC Verma, Dr. Kavita Rani Sharma, Dr Anju R. Bhalotra, Dr Mona Arya.
4. Use of nasal cannula for apneoic oxygenation in children undergoing elective surgery inder general anaesthesia - a randomised controlled study.Dr. Sohini Ray, Dr Anju R. Bhalotra, Dr. UC Verma, Dr. Kavita Rani Sharma, Dr Mona Arya.
5. Evaluation of Perfusion index as a determinant of depth of Anaesthesia: correlation with minimum alveolar concentration and bispectral index. Dr. Suraj Desai, Dr Anju R. Bhalotra, Dr. UC Verma, Dr. KN Saxena , Dr. Kavita Rani Sharma
6. Evaluation of effect of head flexion and extension on depth of orotracheal tube in children. Dr. Praveen Kumar, Dr. UC Verma, Dr Kavita R. Sharma, Dr Anju R. Bhalotra.
7. Comparative evaluation of ventilation using intraoral mask versus conventional face mask. Dr Keshav Gaur, Dr UC Verma, Dr Kavita R. Sharma, Dr Anju R. Bhalotra.
8. Evaluation of perfusion index and plethysmographic variability index as determinants of hypotension following induction with propofol. Dr Suraj Deepak Desai , Dr Anju R Bhalotra, Dr Rahil Singh, Dr UC Verma.
9. Effect of music therapy on perioperative analgesic requirement in patients undergoing spine surgery under general anaesthesia: A preliminary study. Dr Mousumi Saha, Dr Anju R. Bhalotra , Dr Rahil Singh, , Dr UC Verma.
10. Evaluation of pulse oximeter derived perfusion index as predictor for incidence of hypotension during spinal anaesthesia in elderly. Dr Khusboo, Dr Anju R Bhalotra, Dr Rahil Singh, Dr UC Verma.
11. Comparative evaluation of efficacy of two different doses of nebulized Ketamine for premedication in children. Dr Khushboo, Dr Anju R. Bhalotra , Dr Rahil Singh, , Dr UC Verma.
12. Desflurane consumption in patients undergoing laproscopic sleeve gastrectomy receiving Lidocaine versus Dexmedetomidine infusion. Dr Heena Naaz, Dr Anju R. Bhalotra , Dr Rahil Singh, , Dr UC Verma.
13. Effect of intra operative hemispheric synchronised sounds on depth of anaesthesia and postoperative pain relief in children undergoing infra-umbilical surgeries. Dr. Nishitha Vashist, Dr. Kavita Rani Sharma, Dr. UC Verma, Dr Anju R. Bhalotra.
14. Effect of left lateral tilt on perfusion index in lower limb of the parturients during caesarean section. Dr. Gunjan Kamra, Dr. Kavita Rani Sharma, Dr. UC Verma, Dr Anju R. Bhalotra.
15. Comparative evaluation of postoperative cognitive dysfunction following general anaesrhesia with propofol and isoflurane in elderly patients. Dr Neetha Prabhu, Dr Kavita R. Sharma, Dr. UC Verma, Dr Anju R. Bhalotra.
16. A comparative evaluation of two techniques of two-handed mask ventilation in obese adult patients. Dr Ghazala, Dr Kavita R. Sharma, Dr. UC Verma, Dr Anju R. Bhalotra.
17. Efficacy of granisetron for prevention of post spinal anaesthesia shivering, nausea and vomiting in parturients undergoing Caesarean section.Dr Amardeep Singh, Dr JS Dali, Dr Mona Arya, Dr Kapil Chaudhary
18. Efficacy of high-volume low-concentration intraperitoneal bupivacaine irrigation for postoperative analgesia in patients undergoing laparoscopic cholecystectomy.Dr Swati Panwar, Dr JS Dali, Dr Mona Arya, Dr Kapil Chaudhary, Dr Sushanto Neogi.

To evaluate the role of pre-operative ultrasound assessment of airway in predicting difficult mask ventilation. Vishrant Kumar K Kushal Shetty, Kapil Chaudhary, J S Dali, Kavita Rani Sharma, Sapna Singh

Best position for laryngeal mask airway removal in deep plane of anaesthesia in children.Dr Kavita Rani Sharma, Dr Shweta Dhiman, Dr Anju R Bhalotra

Audit about awareness of anaesthesia as a speciality among doctors. Dr Kapil Chaudhary

19. Comparative evaluation of different oxygen flow rates through nasal canula on the efficacy of preoxygenation. Dr Kapil Chaudhary, Dr JS Dali, Dr Amardeep Singh, Dr Mona Arya: pilot study done; submitted for College Ethics Committee approval.
20. Comparative evaluation of airtraq optical laryngoscope with Macintosh laryngoscope for endotracheal intubation in the paediatric population. Dr.Shruti Kumari. Dr Sonia Wadhawan, Dr Poonam Bhadoria, Dr Amit Kohli

    Comparison of airtraq and McGrath video laryngoscope for endotracheal intubation in simulated cervical spine injury patients. Dr Shweta Jain, Dr Poonam Bhadoria, Dr Sonia Wadhawan, Dr Amit Kohli

    Comparison of C- mac video laryngoscope and flexible fiberoptic bronchoscope for awake endotracheal intubation in adult patients. Dr Nimma Suresh Chandra, Dr Poonam Bhadoria, Dr Sonia Wadhawan, Dr Amit Kohli

    Comparative evaluation of combined Pec I and SAP block vs thoracic paravertebral block for post-operative analgesia in patients undergoing modified radical mastectomy. Dr Venkatesh, Dr Sonia Wadhawan, Dr Poonam Bhadoria, Dr Amit Kohli

    Role of intubating bougie or stylet for ease of intubation with reinforced endotracheal tube using Airtraq videolaryngoscope. Dr Theresa, Dr Sonia Wadhawan, Dr Poonam Bhadoria, Dr Amit Kohli

    Effect of hypotensive anaesthesia on cerebral oxygen saturation during functional endoscopic sinus surgery under controlled ventilation. Dr Nisha, Dr Poonam Bhadoria, DR Sonia Wadhawan, Dr Amit Kohli

    Effect of high flow nasal cannula vs Venturi mask oxygenation after planned extubation in Intensive care unit patients. Dr Mohan, Dr Poonam Bhadoria, Dr Sonia Wadhawan, Dr Amit Kohli

    Airtraq optical laryngoscope vs Mc Grath video laryngoscope for endotracheal intubation in the pediatric patients undergoing elective surgery. Dr Nity, Dr Poonam Bhadoria, Dr Sonia Wadhawan, Dr Amit Kohli

    A comparative evaluation of goal directed and conventional intraoperative fluid therapy in major surgeries under General Anaesthesia. Dr Karthik, Dr Amit Kohli, Dr Poonam Bhadoria, Dr Sonia Wadhawan

    Correlation of pain perception and fentanyl consumption after major abdominal surgery with CGRP 4218 T/C polymorphisms.Dr Prashant HT, Dr Kirti Nath Saxena, Dr Bharti Wadhwa

    Comparative evaluation of effect of operating table height on spinal needle entry angle,ergonomics and comfort of anaesthesiologist. Dr Akula Vijay Kumar, Dr Kirti Nath Saxena, Dr Bharti Wadhwa

    Comparative evaluation of baseline heart rate and perfusion index as predictors of post spinal hypotension in parturients undergoing caesarean section. Dr Saurabh Gaur,Dr Bharti Wadhwa, Dr Kirti Nath Saxena

    Comparative evaluation of median approach versus Taylor's approach for success and ease of administration of subarachnoid block.Dr Neha Gupta, Dr Kirti Nath Saxena, Dr Bharti Wadhwa

    Comparative evaluation of laryngeal mask airway blockbuster versus intubating laryngeal mask airway for intubation. Dr Ankit Sinha, Dr Kirti Nath Saxena, Dr Bharti Wadhwa

    Comparative evaluation of TuoRen ^{TM} videolaryngoscope versus Mackintosh laryngoscope for laryngoscope and intubation in pediatric age group. Dr Pallavi Doda,Dr Kirti Nath Saxena, Dr Bharti Wadhwa

    A comparative evaluation of nebulized dexmedetomidine, ketamine and their combination for preoperative sedation.Dr Kolin Bhardwaj, Dr Bharti Wadhwa, Dr Kirti Nath Saxena

    Comparative evaluation of pre-mixed versus sequential administration of fentanyl as an adjuvant to hyperbaric bupivacaine for subarachnoid block in caesarean section.Dr Aakirthi Chaurasia, Dr Bharti Wadhwa, Dr Kirti Nath Saxena

    Comparison of two methods for facilitating navigation of thermosoftened endotracheal tube during nasotracheal intubation. Dr Kirti Nath Saxena, Dr Prashant HT, Dr Sukhyanti Kerai, Dr Bharti Wadhwa

    Effect of aromatherapy with saline, 70% isopropyl alcohol and ginger oil on postoperative nausea and vomiting in patients of day care laproscopic cholecystectomy –a prospective, randomized, comparative study.Dr Gaurav Agarwal, Dr Kirti N Saxena, Dr Bharti Wadhwa

    Comparison of different methods of nasogastric tube insertion in patients undergoing surgeries under general anaesthesia. Dr Jasmine Kaur, Dr Kirti Nath Saxena, Dr Sukhyanti Kerai, Dr Bharti Wadhwa

    Comparison of partially flexed knee position & traditional sitting position for ease of spinal needle placement. Dr Sheetal, DrMunisha Agarwal, Dr Rakesh Kumar, Dr Neelam Prasad

    Efficacy of preoperative oral glucose loading for attenuating perioperative stress response to surgery under general anaesthesia. Dr Archana, Dr Munisha Agarwal, Dr Rakesh Kumar, Dr Neelam Prasad,Dr Binita Goswami

    Efficacy of preoperative newer information technology device (video clip) with intranasal dexmedetomidine to allay preoperative anxiety in pediatric population. Dr Mithun KA, Dr Neelam Prasad, Dr Munisha Agarwal.

    Comparison of SOFA score with and without lactate as outcome predictor among patients admitted in ICU in a tertiary care hospital. Dr Sushmita, Dr Lalita Choudary, Dr Mona Arya

Comparison of intravenous dexmedetomine, magnesium sulphate and esmolol for attenuation of pressor response to laryngoscopy and endotracheal intubation. Dr Kajol, Dr Lalita Choudary, Dr Mona Arya

b) Details of thesis completed during current year

1. Evaluation of the pulse oximeter perfusion index as an early indicator of successful caudal epidural block in children under general anaesthesia. Dr Ajay Saran, Dr.U.C.Verma, Dr.Kavita Rani Sharma, Dr.Anju R. Bhalotra
2. Comparison of effects of neostigmine with calcium gluconate v/s neostigmine alone on recovery from neuromuscular blockade. Dr Aparna, Dr Anju R. Bhalotra, Dr.U.C.Verma, Dr.Kavita Rani Sharma
3. Evaluation of the effect of head rotation on facemask ventilation in adults under general anaesthesia. Dr Prashant Kumar. Dr.Anju R. Bhalotra , Dr.U.C.Verma, Dr.Kavita Rani Sharma
4. Evaluation of transnasal humidified rapid-insufflation ventilatory exchange for maintaining oxygenation during apnea in patients with difficult airways. Dr Richa Narang, Dr.Kavita Rani Sharma,Dr.U.C.VermaDr.Anju R. Bhalotra
5. Comparative evaluation of betamethasone gel and lignocaine jelly on prevention of post-operative sore throat following use of i-gel supraglottic airway. Dr Sandeep Kumar, Dr. Kavita Rani Sharma, Dr. J.S. Dali, Dr .Anju R. Bhalotra
6. Comparative evaluation of Tracheal tube cuff filled with air, saline or alkalinised lidocaine on laryngotracheal morbidity and haemodynamic changes in children.Mallika Kaushal, **J S Dali**, Kavita Rani Sharma, Mona Arya
7. To assess the contribution of the Nasal passage during Face Mask Ventilation at two different airway pressures.Fahina Perveen, **J S Dali**, Kavita Rani Sharma, Mona Arya
8. Evaluation of thyromental height and thyromental distance in predicting difficult laryngoscopy- a prospective observational study. Dr Nitin Choudhary, Dr Amit Kohli, Dr Sonia Wadhawan, Dr Poonam Bhadoria.
9. To evaluate four pre-operative airway assessment parameters for prediction of difficult laryngoscopy. Dr Latika Sikriwal, Dr Sonia Wadhawan, Dr Poonam Bhadoria
10. Comparative evaluation of BASKA mask and I-Gel in patients under General anaesthesia with controlled ventilation. Dr Kanupriya Anand, Dr Poonam Bhadoria, Dr Sonia Wadhawan
11. Use of proseal laryngeal mask airway vs endotracheal tube during fibreoptic bronchoscope guided percutaneous dilational tracheostomy in patients of intensive care unit. Dr Sankar Narayanan. A.M., Dr Poonam Bhadoria, Dr Sonia Wadhawan, Dr P.K. Rathore.
12. Comparative evaluation of postoperative pharyngolaryngeal complications and ease of insertion following Laryngeal mask airway supreme insertion by three different methods. Dr Nadeem Husain, Dr Kirti Nath Saxena, Dr Bharti Wadhwa
13. Evaluation of the effect of saline flush on the time of onset and duration of action following bolus dose of rocuronium. Dr Vineet Manchanda, Dr Kirti Nath Saxena, Dr Bharti Wadhwa
14. Evaluation of the effect of continuous infusion of dexmedetomidine on BIS guided end tidal desflurane concentration during laproscopic cholectectomy under general anaesthesia. Dr Gurleen, Dr Bharti Wadhwa, Dr Kirti Nath Saxena
15. Chandrima The effect of preoperative multimedia video information on preoperative anxiety in patients undergoing procedure under central neuraxial block.Dr Duriyarasan, Dr Munisha Agarwal, Dr Rakesh Kumar, Dr Neelam Prasad
16. Evaluation of auricle based method for sizing of proseal laryngeal mask airway in pediatric population. Dr Anshul, Dr Munisha Agarwal, Dr Rakesh Kumar, Dr Neelam Prasad
17. To assess agreement between ultrasonographically measured skin-epidural depth and corrected measured skin-epidural depth in Indian paediatric population. Dr Chandrima, Dr Neelam Prasad, Dr Munisha Agarwal,Dr Sapna Singh
18. Comparison of peripheral perfusion index in preeclamptic and healthy parturients undergoing lower segment cesarean section under spinal anesthesia. Dr Manisha Manohar, .Dr Kirti N Saxena, Dr Bharti Wadhwa
19. Comparison of three different techniques for Sedation of children undergoing Magnetic resonance imaging: A prospective randomized double blind study.Dr Rohit Baliyan, Dr Kirti N Saxena, Dr Bharti Wadhwa
20. Comparison of blood pressure measurement between dependent and non- dependent hand in lateral position under general anaesthesia and regional anesthesia. Dr Vineet Manchanda, Dr Kirti N Saxena, Dr Bharti Wadhwa
21. Effect of music therapy in the perioperative anaesthesia requirement in patients undergoing laproscopic cholecystectomy. Dr Devika Mishra, Dr Kirti Nath Saxena, Dr Bharti Wadhwa
22. Evaluation of two simple tools to predict severity of acute pain after caesarean section. Dr Divya Gupta, Dr Sukhyanti Kerai, Dr Kirti Nath Saxena, Dr Bharti Wadhwa

5. **Trainee from other agencies:** FNB (High risk pregnancy) students, Obstetric & Gynaecology Post Graduate Students for training in Intensive care management
6. **Training course/conferences/workshop organized**
   CME on "Changing Trends in Obstetric Anesthesia" held in March 2019, MAMC
   Workshop on "Ultrasound Guided Regional Anesthesia" held on May 2019, MAMC
   i. MAMC Anaesthesia Updates, Post Graduate Refresher Course, 2019 held at MAMC, New Delhi (28 Aug- 1st Sept 2019)
   ii. Conference on Facts & Myths in Anaesthesiology on 14th& 15th December 2019

Publications during the period

1. **Saxena KN**, Saha M , Mishra D , Wadhwa B (2019) Combined spinal epidural for Total Knee Replacement in patients with low Ejection Fraction: A Case Series. J Anesthetic Res and Pain Medicine. vol. 4, di.org/10.28967/jarpm.2019.01.19001
2. **Saxena KN,Wadhwa B,** Mishra D. Anesthetic management of cesarean section in parturients with severe mitral stenosis: A case series. J Obstet Anaesth Crit Care 2019;9:46-9.
3. Gupta B, **Wadhwa B**, Gaba P, **Saxena KN.** Anaesthetic management of a patient with difficult airway for T-tube insertion. Airway 2019;2:103-5.
4. **Saxena KN,** Kaul A, Shakir M. Anesthetic management of an obstetric patient with idiopathic transverse myelitis: A unique approach! J Obstet Anaesth Crit Care 2019 ;9:99-101.
5. Kerai S, **Saxena KN, Wadhwa B.** Preoperative pregnancy testing in surgical patients: How useful is policy of routine testing. Indian J Anaesth 2019;63:786-90.
6. Mishra D, **Saxena K, Wadhwa B** (2019). Ratio of Patient's Height to Thyromental Distance: Predictor of Difficult Laryngoscopy in Paediatric Patients. Int J Case Rep Clin Image 1(4): 118
7. Sapra SS, **Saxena KN, Taneja B,** Bansal S, Sarin YK. Comparative evaluation of combined ilioinguinal iliohypogastric block versus caudal block using ropivacaine and clonidine for paediatric postoperative analgesia following inguinal hernia repair. Northern Journal of ISA. 2018;3: 9-14.(Published in 2019)
8. Naeem MS, **Saxena KN, Taneja B.** An evaluation of retrograde light-guided laryngoscopic intubation and its comparisonwithconventional direct laryngoscopic intubation. Northern Journal of ISA. 2018;3: 15-20.(Published in 2019)
9. **Saxena KN,** Mahajan A. Anaesthetic management of a parturient with clinoid meningioma for caesarean section. Northern Journal of ISA. 2018;3: 25-27. (Published in 2019)
10. Bedi J, Shifaat F, **Saxena KN.** A Comparative Evaluation of Intra-Articular Bupivacaine v/s Intra-articular Bupivacaine and Diclofenac on Post-Operative Pain and Recovery Following Arthroscopic Knee Surgery .Sch J App Med Sci, Nov., 2019; 7(11): 3568-3574
11. Pangasa N, **Dali JS**, **Sharma KR, Arya M,** Pachisia AV. Comparative evaluation of Truview evo2 and Macintosh laryngoscope for ease of orotracheal intubation in children–A prospective randomized controlled trial. Journal of anaesthesiology, clinical pharmacology. 2019 Jan;35(1):25.
12. Pachisia AV, **Sharma KR, Dali JS, Arya M,** Pangasa N, **Kumar R.** Comparative evaluation of laryngeal view and intubating conditions in two laryngoscopy positions-attained by conventional 7 cm head raise and that attained by horizontal alignment of external auditory meatus-sternal notch line–using an inflatable pillow-A prospective randomised cross-over trial. Journal of anaesthesiology clinical pharmacology. 2019 Jul;35(3):312.
13. Kohli M, **Wadhawan S**, **Bhadoria P,** Ratan SK. Comparative evaluation of I-gel vs. endotracheal intubation for adequacy of ventilation in pediatric patients undergoing laparoscopic surgeries. J Anaesthesiol Clin Pharmacol 2019; 35:30-5.
14. **Farah Husain,Sonia Wadhawan**, Sudhindra Dharmavaram, **Poonam Bhadoria,** Asmita M Rathore. Comparative evaluation of two doses of pregabalin as oral premedication for laparoscopic sterilization with respect to analgesic efficacy and time to discharge. Indian Journal of Clinical Anaesthesia, July-Sept, 2019;6(3):468-472
15. Choudhary N, Kumar A, **Kohli A, Wadhawan S, Bhadoria P**. I-Gel as an intubation conduit: Comparison of three different types of endotracheal tubes. Indian J Anaesth 2019; 63:218-24
16. Choudhary N, Kumar A, **Kohli A**, **Wadhawan S**, Siddiqui TH, **Bhadoria P**, Kamat H. Single-point versus double-point injection technique of ultrasound-guided supraclavicular block: A randomized controlled study. J Anaesthesiol Clin Pharmacol 2019; 35:373-8
17. Choudhary N, **Wadhawan S**, **Singh R, Bhadoria P**. Anaesthetic management of a child with Farber's lipogranulomatosis posted for exploratory laparotomy. Indian J Anaesth 2019; 63:953-5

18. Faulty nitrous oxide-oxygen interlock or hypoxic device leading to higher concentration of oxygen delivery. Bhavna Gupta, **Kapil Chaudhary, Gunjan Manchanda, J S Dali, Mona Arya**. MAMC J Med Sci 2019; 5: 93-5.
19. **Bhalotra AR**. Are we misusing the ILMA tube? A cause of concern? Indian J Anaesth 2019; 63:76-7.
20. **Bhalotra AR.** Beware of the extravasation of muscle relaxant in children. Pediatr Invest. 2018;2: xx. https://doi.org/10.1002/ped4.xxxx
21. Manohar M, **Bhalotra AR**. Voice change after spinal anaesthesia. Indian J Anaesth 2019; 63:593-4.
22. **Bhalotra AR.** Cervical instability in patients with Trisomy 21: the gamble continues. Paediatric Anaesthesia. 2019; 29 (6): 660-60
23. **Bhalotra AR**, Balyan R, **Manchanda G**, Singh S. Opioid-free anaesthesia in children with severe mandibular hypoplasia and TMJ ankylosis with sleep apnoea for mandibular distraction osteogenesis. Indian J Anaesth 2019; 63:412-4.
24. Sharma S, **Bhalotra AR**, Awal S. Changes in Lung Function Parameters after Total Intravenous Anaesthesia and Balanced Anaesthesia with Desflurane: A Prospective Randomised Study. Turk J Anaesthesiol Reanim 2019; DOI: 10.5152/TJAR.2019.81594
25. Gupta B, **Bhalotra A.** To assess and compare dexamethasone, lignocaine, and tramadol in reduction of propofol-induced vascular pain. Indian Anaesth Forum 2019; 20:26-31.
26. Gupta B, **Bhalotra AR**. Giant abdominal neuroblastoma in an infant with dilated cardiomyopathy: An intraoperative challenge. APSP J Case Rep. 2018; 9:24.
27. **Bhalotra AR.** The dilemma of mitochondrial diseases – easy to manage but difficult to diagnose? Pediatr Invest. 2019;3:xx-xx. https://doi.org/10.1002/ped4.xxxxx
28. Chugh V, **Bhalotra A.** Double Nebulisation for Airway Anaesthesia. Turk J Anaesthesiol Reanim 2019; DOI: 10.5152/TJAR.2019.51447.
29. Use of an airway exchange catheter for removal of i-gel. Accepted by Turk J Anaesthesiol Reanim . **Bhalotra A**
30. Dhiman S, Bhalotra A R, Kumari R, Sharma K R, Verma U C. Magnesium sulfate and fentanyl for facilitating awake fiberoptic nasotracheal intubation: A randomized study. Ann Anesth Crit Care. Online ahead of Print; 4(1): e90482. doi: 10.5812/aacc.90482.
31. Sharma A, **Gupta L**, Gupta B. Airway management in prone position following penetrating iron rod injury in back: An anaesthetic challenge. Indian J Anaesth 2019;63:1039-40.
32. Ashwani Sharma, **Lalit Gupta.** Clonidine a Wonder Drug. Indian J Anesth Analg. 2019;6 (6 Part -I):2057-2062.
33. Gupta B, **Kerai S,** Kakkar K, **Gupta L**. Role of High-flow Nasal Oxygen Therapy in Cases with Pulmonary Hypertension in an Intensive Care Unit Setting. Indian J Crit Care Med. 2019;23(10):458–461. DOI:10.5005/jp-journals-10071-23264.
34. **Lalit Gupta.** "Laparoscopic Cholecystectomy Pain: Out of Sight but Kept in Mind". ECAnaesthesia ECO.01 (2019): 03-04.
35. **Gupta L**& Gupta B. (2019) Peribulbar Block and Brainstem Anesthesia: An Unexpected Complication. Int J Anaesth Res, 2(3): 84-85.
36. Sharma A, **Gupta L.** Primary pipeline check in preanesthetic machine checkout: A prerequisite or savior. Med J DY Patil Vidyapeeth 2019;12:476-8.
37. Kumar NG, **Gupta L,** Sharma A. Spinal myoclonus following combined spinal and epidural anesthesia: An unusual complication. Indian J Clin Anaesth 2019;6(3):476-7. DOI:10.18231/j.ijca.2019.092
38. Gupta B, **Kerai S,** Gupta A, **Gupta L**. A survey of practice among doctors in India belonging to different specialities towards peripheral tracheal intubation calls. Indian J Clin Anaesth 2019;6 (3):337-42. DOI:10.18231/j.ijca.2019.065
39. Gupta B, Gupta A, **Gupta L.** Stress or metabolic response to surgery and anesthesia. Indian J Clin Anaesth 2019;6 (2):165-71. DOI: 10.18231/j.ijca.2019.031
40. Dwivedi G, Rathore A, **Gupta L.** A Retrospective Study of Complications of Peripherally Inserted Central Venous Catheters in Oncology Patients. Int J Sci Stud 2019;7(1):135-141
41. **Gupta L**, Gupta B. Postpartum Seizure Due to Neurocysticercosis: A Case of Diagnostic Dilemma. MAMC J Med Sci 2019;5:33-5. DOI: 10.4103/mamcjms.mamcjms_11_19
42. **Gupta L**, Gupta B, Kakkar K, Manohar M. Look-Alike Drugs-'A Wonder or a Blunder'? Ann Anesth Crit Care. 2018 October, 3(2):e79850. DOI: 10.5812/aacc.79850 (Published online 2019 April 10).
43. Dwivedi G, Ansari FA, **Gupta L.** A Retrospective Comparison of Mortality in Hematological versus Non Hematological Malignancies in Cancer Intensive Care Unit. Int J Sci Stud 2019;6(12):102-105.
44. **Gupta L,** Manohar M. Anesthetic considerations in bilateral congenital anophthalmia: A rare clinical entity. Anesthesiol Open J. 2019; 3(2): 27-29. DOI: 10.17140/AOJ-3-122

45. Bhavna Gupta, **Lalit Gupta.** Physics of Anaesthesia Made Easy. Glob J Anes & Pain Med 1 (2)-2019. GJAPM.MS.ID.000107.
46. Adhikari SD, Chakraborty R, **Kerai S,** Budoo MS. An elementary cause of anisocoria in intensive care unit. IJCCM 2019:10.5005/jp-journals-10071-00000
47. Gupta D, **Kerai S.** Intensive care management of multiorgan failure following single low dose methotrexate for ectopic pregnancy: an intriguing case report. Indian J Anaesth 2019;63(10):870-72

7. Books/Chapters contributed

Dr Anju R. Bhalhotra

Contributed a chapter on "Gas Embolism - An Update" in year book of Anesthesiology -9 edited by Dr Raminder Sehgal and Dr Anjan Trikha published by Jaypee Brothers in year 2019.

Dr Lalit Gupta

Book:

Synopsis of Anesthesia 2019, 1st edition
https://www.amazon.in/dp/B07MY4BSQ8?ref=myi_title_dp

Conferences/workshops/symphosiums attended

Dr.Kirti Nath Saxena

1. Invited as faculty in IAPA 2019 in AIIMS in February 2019.
2. Delivered faculty lecture and chaired a session during CME "Changing trends in obstetric anesthesia" New Delhi on March 2019
3. Chaired a session during ISACON 2019, Delhi chapter on April 2019
4. Invited as faculty 'ANAESTHESIA UPDATE 2019' on 7th July, 2019 at Sir Ganga Ram Hospital Auditorium
5. Invited as faculty in MAMC Anaesthesia Update, Post Graduate Refresher Course, 2019 held at MAMC, New Delhi (28 Aug- 1st Sept 2019)
6. Chaired Pro & Con Session at SEED AIRWAY WORKSHOP, MAMC on 5th September 2019
7. Delivered faculty lecture and chaired a session at International annual conference ICACON held at New Delhi on September 2019
8. Invited as faculty for Panel Discussion - on World Patient Safety Day.Theme- "Perioperative Patient Safety'on 17th September at Jamia Hamdard medical college
9. Delivered faculty lecture at STEPHCON, Delhi September 2019
10. Delivered faculty lecture at UP State ISACON, Moradabad on 28th September 2019
11. Conducted Monthly meet of ISA in MAMC in October 2019 and moderated two case presentations
12. Delivered faculty lecture at Utrakhand ISACON, Haldwani 16th October 2019
13. Delivered faculty lecture at Facts & Myths in Anaesthesiology, Delhi December 2019
14. Invited as faculty **to** participate as a **Panel speaker** at the 5th Maternal Fetal Medicine Workshop on 'Pregnancy with Heart Disease' on the 21st December 2019 at the G.B.Pant Hospital Auditorium, New Delhi organized by Department of Obstetrics and Gynaecology, Maulana Azad Medical College and Lok Nayak Hospital
15. Invited as faculty to UCMS post graduate anesthesia refresher course 2019-20.

Dr Bharti Wadhwa

Workshops Organized

1. Organizing Secretary of CME on "Changing Trends in Obstetric Anesthesia" held in March 2019, MAMC
2. Organizing Secretary of Workshop on "Ultrasound Guided Regional Anesthesia" held on May 2019, MAMC

Conferences Attended:

1. "Critical Care: A paradigm Shift" held at UCMS 20th January 2019
2. Pediatric Surgery update 7th March 2019 MAMC (MAMCPSU)
3. Annual Conference of ISA Delhi Branch 13/14th April 2019 held at New Delhi
4. UP state ISACON 2019 held at Moradabad
5. Airway Workshop of Indian College of Anesthesiologist held at MAMC, Delhi
6. International Conference of Indian College of Anesthesiologist held at New Delhi
7. "Myths and Facts in anesthesia" held at MAMC New Delhi
8. Seed Workshop of Airway Management Foundation Held at VMMC and Safdarjung Hospital, New Delhi
9. CME on "Changing Trends in Obstetetric Anesthesia" held in March 2019 at MAMC, New Delhi
10. Ultrasound guided Regional Anesthesia workshop held in May at MAMC, New Delhi

11. CME and workshop- Ultrasound Guided Nerve Blocks in Pediatrics at Super Specialty Pediatric Hospital and Postgraduate Teaching Institute, Noida, U.P on the 16th of October 2019
12. North Zone Yuva FOGSI Feb 2019
13. MAMC Anesthesia Update held at MAMC, August 2019
14. ISA PG Assembly held at UCMS Delhi, December 2019

Dr Kapil Choudary

1. 20th Annual Conference of the Indian society of Neuroanaesthesia and Critical care held at Hotel Leela Ambience , Gurugram from 15th -17th February 2019
2. EHIC (Essentials of Hospital Infection control) 2019 held at Hotel Clarks Inn, Kaushambi on 10th March 2019
3. Changing Trends in Obstetric Anaesthesia held at MAMC on 16th March 2019
4. 58th Annual Conference of the ISA Delhi Chapter (ISACON Delhi 2019) held from 13th-14th April 2019 at Radisson Blu, Paschim Vihar, New Delhi
5. MAMC Anaesthesia Update , Post Graduate Refresher Course, 2019 held at MAMC, New Delhi (28 Aug- 1st Sept 2019)
6. ICACON 2019, 11th National & 1st International Conference of the Indian College of anaesthesiologists] held from 5th -8th September 2019 at Hotel Le Meridien, Delhi
7. Workshop on "How to write a scientific paper" organized by Department of Paediatrics, MEU, MAMC on 7th Nov 2019
8. Revised Basic Course Workshop in Medical Education Technologies organized by MCI Regional Centre, MAMC, New Delhi from 3rd -5th December 2019
9. Sensitization Workshop for Attitude, Ethics and Communication (AETCOM) module organized by MCI Regional Centre, MAMC, New Delhi on 6th December 2019
10. Facts or Myths in Anaesthesiology held at MAMC, New Delhi, 14-15 Dec 2019

Dr Rahil Singh

1. Organiser and Treasurer for conference on "Facts and myths in Anaesthesiology II" at MAMC" on 14th and 15th December 2019
2.
3. 11th Annual Conference of The Indian Association Of Paediatric Anaesthesiologists (IAPA) in AIIMS on 9, 10 February 2019

4. CME on "Changing Trends in Obstetric Anesthesia" held in March 2019 at MAMC, New DelhiMAMC Anesthesia Update held at MAMC, August 2019

Dr Sukhyanti Kerai

1. CME on "Changing Trends in Obstetric Anesthesia" held in March 2019 at MAMC, New Delhi
2. MAMC Anesthesia Update held at MAMC, August 2019
3. Annual Conference of ISA Delhi Branch 13/14th April 2019 held at New Delhi
4. Conference on Facts & Myths in Anaesthesiology on 14th& 15th December 2019
5. Workshop on "Excellence in peer review"- A reviewer training workshop on 9th September 2019
6. Workshop on Pharmacovigilance for patient safety on 27th march 2019 organized by department of pharmacology, MAMC.
8. **Visitors**
9. **Significant events (Honors to Faculty)**

Dr Kirti Nath Saxena

1. Invited as faculty in IAPA 2019 in AIIMS in February 2019. Chaired a session. Participated as faculty in workshop. Was Judge in Poster session.
2. Was Organising Chairperson for 'Changing Trends in Obstetric Anesthesia' held at MAMC in March 2019. Took lecture on Anaesthetic management of Parturients with kyphoscoliosis, Author of 5 papers presented:

a. **Saxena KN,** Wadhwa B, Akula VParturient with ventriculoperitonial shunt posted for emergency LSCS: is SAB an option.
b. **Saxena KN,** Wadhwa B, Gaur S.CHB in parturient posted for emergency CS.
c. Dr. Kirti Nath Saxena, Dr Bharti Wadhwa, Dr Prashant HT. Pregnancy with Eisenmengers syndrome: A challenge for the anaesthesiologist.

d. KUSH

e. Dr Kirti N. Saxena, Dr Bharti Wadhwa, Dr Devika Mishra.Anesthetic management of cesarean section in parturients with severe mitral stenosis: A case series. **Won 2nd Prize in poster presentation.**

f. Dr Pawan Kumar, Dr Bharti Wadhwa, Dr Kirti Nath Saxena. Epidural labour analgesia in patient with severe mitral stenosis- a case report. **Won 1st Prize in poster competition**

g. Invited as faculty to ISACON Delhi Branch in April 2019. Was Chairperson for Pro and Con Debate. Author of 7 papers presented:

a. **Dr. Kirti Nath Saxena,** Dr Bharti Wadhwa Dr Devika Mishra, Dr Prashant HT. Patient with multiple drug allergies - an anaesthesiologist`s dilemma.

b. **Dr Kirti Saxena,** Dr Bharti Wadhwa, Dr Vineet Manchanda. Evaluation of the effect of saline flush on the onset time, intubating conditions and duration following bolus dose of rocuronium

c. Dr Devika Mishra, Dr Bharti Wadhwa, **Dr Kirti Saxena,** Dr Gurleen Oberoi Open Chest Injury Following High Voltage Electric Burn in a Child: TIVA To Our Rescue.

d. **Saxena KN,** Wadhwa B, Gaur S. Dexmedetomidine in cerebral palsy: the path less travelled

e. Wadhwa B, **Saxena KN**, Oberio G. Effect of continuous infusion of dexmedetomidine versus fentanyl on the end tidal expiratory fraction desflurane concentration during general anaesthesia

f. **Saxena KN**, Wadhwa B, Akula V. Anaesthetic management of a paturient with cervical syringomyelia for Emergency LSCS(case report).

g. **Saxena KN,** Wadhwa B, Hussain N. Comparative evaluation of the postoperative pharyngolaryngeal Complications and ease of insertion following LMA supreme insertion by Three different methods; Received **2nd Prize in TN Jha Awards** for PG Students

h. Co-author of paper" Evaluation of 2 simple tools for predicting severity of pain after caesarean section" at RASCPCON April 2019 held at PGI Rohtak, the **paper won 2nd prize in Pt. Balbadhra kaul award for best paper**

3. Invited as faculty **'ANAESTHESIA UPDATE 2019'** on 7th **July, 2019** at **Sir Ganga Ram Hospital Auditorium for talk on** Management **of obese parturients**

4. Was Organizing Chairperson for Postgraduate Assembly held at MAMC in August 2019. Took case discussion on' Pregnancy with Rheumatic Heart Disease'

5. Was organizing chairperson for Airway Management workshop of MAMC-LNH AMF FOR ICACON 2019' held at MAMC in sept 2019.

a. Invited as faculty to ICACON 2019 on 6-8 September 2019 at Delhi for panel discussion titled "**Anaesthesia in high risk pregnancy for LSCS** ". Was expert for Meet the Expert session. Co-author of 3papers

b. Dr Prashant HT, Dr Kirti Nath Saxena, Dr Bharti Wadhwa, Dr Devika Mishra. Application of direct laryngoscopy with nerve blocks in difficult airway situation. **Received 2nd prize for this paper**

c. Gaur S, Saxena KN, Wadhwa B. Open chest injury following high voltage electric burn in a child.

d. Akula V, Saxena KN, Wadhwa B. Anaesthetic management of parturient with repaired TOF for emergency LSCS.

Invited as faculty for Panel Discussion - on World Patient Safety Day.Theme- "Perioperative Patient Safety' on 17th September at Jamia Hamdard medical college

Invited as faculty to UPSICON in September at Moradabad. Took lecture on 'Endocrine myopathies. Author of 2 papers presented:

a. **Dr. Kirti Nath Saxena,** Dr Bharti Wadhwa, Dr Devika Mishra, Dr Prashant HT. Application of direct laryngoscopy with nerve blocks in difficult airway situation.

b. **Saxena KN,** Wadhwa B, Gaur S. Parturient with VP shunt posted for emergency LSCS: Is SAB an option?

6. **Saxena KN,** Wadhwa, Akula V. Anaesthetic management of paturient with repaired TOF for Emergency LSCS.

7. Invited as faculty **at I**SACON UTTARAKHAND 2019 at Haldwani on 15TH AND 16TH October, 2019 for lecture' Nonpharmacological techniques of labour analgesia.

8. Conducted Monthly meet of ISA in MAMC in October 2019. Author of 2 papers presented:

a. Prashant HT, **Saxena KN,** Wadhwa B, Mousumi Saha,. Epidural dexamethasone for postoperative analgesia in high risk surgical patients -A prospective observational study.

9. **Saxena KN,** Wadhwa B , Gaur S .CHB in parturient posted for emergency CSWas Organising Chairperson for Conference' Facts and Myths in Anesthiosiology' held on 14 & 15 December 2019 at MAMC

10. Invited as faculty **to** participate as a **Panel speaker** at the 5th Maternal Fetal Medicine Workshop on ' Pregnancy with Heart Disease' on the 21st December 2019 at the G.B.Pant Hospital Auditorium, New Delhi organized by Department of Obstetrics and Gynaecology, Maulana Azad Medical College and Lok Nayak Hospital

11. Invited as faculty to UCMS post graduate anesthesia refresher course 2019-20. Took interactive talk on '' Obstetric patient with valvular heart disease for caesarean delivery''

Dr JS Dali

1. Delivered a lecture at PGA under aegis of ICA at Ludhiana (Pb)on Feb 2019
2. Delivered lecture on 21st Jan and 14th Mar NSV, TOT Program, as resource person
3. Delivered a lecture on 15th Mar at 3rd Central Zone PGA at RMLIMS, Lucknow
4. Chaired a session on 16th Mar during CME on Changing trends in obstetric anaesthesia
5. Delivered a lecture on 28th Aug at PGA MAMC
6. Chaireda session and was judge for free paper session at Facts and Myths in Anaesthesiology
7. Delivered a lecture at PGA at UCMS, Delhi

Dr MunishaAgarwal

1. CME,Critical Care organized by UCMS& GTB Hospital, Delhi on 19th-20th Jan'2019. Chairperson for Ethical issues and professional misconduct in critical care.
2. CME on Changing trends in Obstetrics Anesthesia organized by Dept of Anaesthesiology, MAMC, Delhi. Chairperson for 'Morbidly Obese Parturient".
3. CME and Hands On Workshop on Airway Management organized by SRMS Institute of Medical Sciences, Bairelly. Lecture on Fiberscopic intubation- Tricks and trouble shooting. Managed workstation of Fiberscopy.
4. MAMC Anesthesia Update 2019. Case discussion on TM Joint Ankylosis , 30th August 2019.
5. International CME and Workshop on Ultrasound guided Nerve Blocks in Pediatric patients, organized by Superspeciality Pediatrics Hospital &PG Institute, Noida,UP on 16th Oct'2019.
6. BLS and ACLS courses at MAMC, for postgraduates, 2019, October.
7. Seed Airway Management workshop, AMF, at DMC,Ludhiana, 21st-22nd, Sept'2019.
8. Seed Airway Management workshop, AMF,at VMMC & Safdarjung Hospital, Delhi, 7th-8th Dec'2019.
9. ICACON 2019, Chairperson and Judge for Best Oral Papers Presentation, Meet the Expert session on Difficult Airway Management.
10. Myths & Facts conference organized by Dept of Anaesthesiology, MAMC & LNH, Delhi on 14th-15th Dec'2019. Panelist for case discussion on TEF and CDH, Scientific committee incharge for oral paper presentation.
11. PG Refresher course in Anaesthesiology organized at UCMS & GTB Hospital, Delhi on 21st Dec'2019. Lecture on Airway Management inPBC neck.
12. Attended IAPA Conference AIIMS, Delhi 8th-10th Feb'2019

Dr Kavita R. Sharma

1. Facts and myths related to IV fluids in children' lecture in 'Facts and myths in anaesthesiology' held at MAMC on 14th and 15th dec 2019
2. 'Practical approach to Extubation & Emergence' lecture in Pre-conference seed workshop of Airway Management foundation held at VMCC and Safderjung hospital in Dec 2019.
3. Faculty at Difficult Airway Workshop held at VMCC and Safderjung hospital in Dec 2019.
4. Workshop coordinator for 'Airway Management workshop of MAMC-LNH AMF FOR ICACON 2019' held at MAMC in sept 2019.
5. 'Trouble shooting difficult airway devices and skills' moderator at 'Airway Management workshop of MAMC-LNH AMF FOR ICACON 2019 'held at MAMC in sept 2019.
6. Dr Ghazala Anis Fatima, Dr Kavita Rani Sharma, Dr Kapil Chaudhary, Dr Pawan Gahlawat An unusual case of variable dynamic airway obstruction in a tracheostomised patient. ISA 2019 nov poster publication
7. Ruchi paper Effects of perioperative infusion of lidocaine versus dexmedetomidine on postoperative pain and recovery in patients undergoing laparoscopic cholecystectomy: to The Clinical Journal of Pain
8. 'Lap chole in Copd' case discussion faculty in MAMC PG Update aug 2019
9. Panelist in 'Pertinent tips for successful exam preparation'. MAMC PG Update aug 2019
10. 'Morbidly obese parturient' lecture in CME 'Changing trends in Obstetric anesthesia' held at MAMC in mar 2019
11. 'Post-operative and procedural pain relief in children.' Dr Kavita Sharma Pediatric Surgery Update 2019 held at MAMC mar2019.
12. Feb2019 Bangalore attended ISSPCON

Dr Anju R. Bhalhotra

1. Invited as faculty to the 11th Annual Conference Of The Indian Association Of Paediatric Anaesthesiologists (IAPA) in AIIMS on 9, 10 February and appointed as judge for the poster session.
2. Participated in Critical care courses for postgraduate students – PGACCC - of various specialities at MAMC PG met cell on 20-21 Feb, 6-7 March, 13-14 March, 10-11 December - appointed as instructor and conducted courses for postgraduates
3. Moderated a panel discussion at CME on "Changing Trends in Obstetric Anesthesia" at MAMC on 16th March 2019 on "medicolegal and Ethical issues in fetomaternal critical care emergencies".
4. Invited as Faculty for the 2nd"MAMC Anaesthesia Update 2019" held from 28th August -1st September 2019 at MAMC, New Delhi. Conducted a Case discussion: Coronary artery disease with stent in situ on 28TH August 2019.
5. Invited as faculty for Airway Management Workshop" of MAMC- LNH- AMF for ICACON 2019 on 5th Sept'2019 and participated as a Panelist in the scientific session for Case based Panel discussion on "Planning and decision making in airway management." Also conducted workshop on FOI at the same.
6. Invited as faculty by the Dept. of Anaesthesiology, Pain Medicine & Critical Care for the Post Graduate Assembly 2019 from 29th to 3rd October and delivered a lecture on "Anaemia in Pregnancy" on 01/10/2019.
7. Facts and myths in Anaesthesiology MAMC on 14 and 15 December 2019. Was the scientific chairperson, moderated a panel discussion on TEF and CDH and was judge for E posters.
8. BLS and ACLS courses - Participated in BLS and ACLS courses at PGMET cell, MAMCAttended the ultrasound workshop at MAMC
9. Coauthtor in poster presented at national conference ISACON Bengaluru

Dr Sonia wadhawan

1. Conducted a case discussion on 'a case of Liver disease and its anaesthetic concerns' in the PG Assembly at Dayanand Medical College, Ludhiana 21st -24th Feb 2019 under the aegis of Indian College of Anaesthesiologists
2. Moderated a session on 'Airway management for emergency caesarean section in a parturient with anticipated difficult airway' in the Changing trends in Obstetric Anaesthesia CME on 16th March 2019 at MAMC
3. Conducted a case discussion on Thyroid at the MAMC Anaesthesia Update from 28th Aug to 1st Sept 2019
4. Participated as Panelist in the Airway Management workshop conducted by MAMC-LNH-AMF for ICACON on 5th sept 2019. Conducted a workstation on supraglottic airway device in the same workshop.
5. Participated as faculty in a Pro con session. Also I was made Judge for the E-Poster presentation session in the ICACON 2019 5th – 8th sept 2019.
6. Chaired a session in the Ultrasound Guided Nerve blocks in Paediatrics at the Super specialty Paediatric Hospital and Post graduate teaching Institute, Noida, UP on 16th oct 2019.
7. Was Faculty for the Mock exam organised by Deptt of Anaesthesiology LHMC on 6th – 7th dec 2019.
8. Conducted a workstation on difficult extubation at the Seed Airway workshop organised by AMF on 8th dec 2019 at VMMC and Safdarjang Hospital
9. Moderated a panel discussion at the Facts or Myths in Anaesthesiology: extremes of Age on 14th – 15th dec 2019 on 'Too old to operate'
10. Delivered a lecture on 'Patient with chronic kidney disease for incidental surgery' at the UCMS post graduate Anesthesia Refresher course 2019 on 22nd dec 2019

Dr Bharti Wadhwa

1. Lecture on: Anomalies in Mechanical Ventilation at "Critical Care: A paradigm Shift "held at UCMS 20th January 2019
2. Lecture on: Estimation of allowable blood loss in children at Pediatric Surgery update 7th March 2019 MAMC (MAMCPSU)
3. Lecture on Prehabilation: From Risk Stratification to risk Attenuation at Annual Conference of ISA Delhi Branch 13/14th April 2019 held at New Delhi
4. Faculty Lecture at UP state ISACON 2019 held at Moradabad, September 2019.
5. Panelist for Panel discussion at Airway Workshop of Indian College of Anesthesiologist held at MAMC, Delhi
6. Faculty Lecture on Pediatric neurotoxicity at International Conference if Indian College of Anesthesiologist held at New Delhi
7. Faculty lecture at Conference of "Myths and Facts in anesthesia" held at MAMC New Delhi
8. Faculty for Airway Workshop of ICA, September 2019, New Delhi

9. Faculty for Seed Workshop of Airway Management Foundation Held at VMMC and Safdarjung Hospital, New Delhi
10. Moderator of panel discussion on "Obstetric emergency Team" at CME on " Changing Trends in Obstetetric Anesthesia" held in March 2019 at MAMC, New Delhi
11. Faculty for Ultrasound guided Regional Anesthesia workshop held in May at MAMC, New Delhi
12. Chairing of session at CME and workshop- Ultrasound Guided Nerve Blocks in Paediatrics at Super Specialty Paediatric Hospital and Postgraduate Teaching Institute, Noida, U.P on the 16th of October 2019
13. Lecture on Labor Analgesia at North Zone Yuva FOGSI Feb 2019
14. Moderator for Panel discussion on " How to take an Exam " at MAMC Anesthesia Update held at MAMC, August 2019
15. Lecture on Labor analgesia at ISA PG Assembly held at UCMS Delhi, December 2019
16. Moderator for Case Presentation at Monthly Clinical meet of ISA Delhi Chapter, Nov 2019
17. Judge for e- poster competition at ICACON September 2019

Dr Mona Arya

1. Lecture in post- graduate course held in MAMC in August 2019
2. Lecture in Myths and facts held in MAMC in December 2019
3. Faculty in Airway workshop at ICACON held in September 2019
4. Faculty in seed airway workshop at VMMC held in December 2019

Dr. Kapil Choudary

1. Received Certificate of Excellence Award for reviewing for Indian Journal of Clinical Anaesthesia for year 2018 in January 2019
2. Instructor faculty for Acute Critical Care Coursefor postgraduates and senir residents from various Delhi government hospitals held at Clinical skill Centre , PGMET Cell, MAMC in the month of February –March 2019 and December 2019.
3. Invited as Workshop faculty for 20th Annual Conference of the Indian society of Neuroanaesthesiology and Critical care held at Hotel Leela ambience , Gurugram from 15th -17th February 2019 for workshop on Advanced Airway Management; and took workstation on supraglottic devices and videolaryngoscope (16th February 2019)
4. Invited as the workshop faculty during EHIC (Essentials of Hospital Infection control) 2019 for workstation on "Infection control bundles" held at Hotel Clarks Inn, Kaushambi on 10th March 2019.
5. Invited as faculty to deliver lecture on "Practice guidelines for Obstetric anaesthesia in a nutshell" during Changing Trends in Obstetric Anaesthesia held at MAMC on 16th March 2019.
6. Moderator faculty for the panel discussion on " Use of Mobile phones in Operation theatre-boon or bane" during 58th Annual Conference of the ISA Delhi Chapter (ISACON Delhi 2019) held from 13th-14th April 2019 at Radisson Blu, Paschim Vihar, New Delhi.
7. Invited as Workshop faculty for the Airway Management Workshop of MAMC-LNH-AMF organized by the Department of Anaesthesiology & Intensive Care, MAMC and LNH, New Delhi and Airway Management Foundation and took workstation on Flexible fibreoptic bronchoscope during the 11th National & 1st International Conference of the Indian College of anaesthesiologists (ICACON 2019) on 5th September 2019.
8. Invited as faculty to deliver guest lecture on "Difficult Airway Management : Futuristic Outlook" during the ICACON 2019 [11th National & 1st International Conference of the Indian College of anaesthesiologists] held from 5th -8th September 2019 at Hotel Le Meridien, Delhi.
9. Invited as Judge for the poster competition during the ICACON 2019[11th National & 1st International Conference of the Indian College of anaesthesiologists] held from 5th -8th September 2019 at Hotel Le Meridien, Delhi.
10. I*nstructor faculty* for the MAMC Surgical skills and life support courses(SSLSC) held in Aug-Sept 2019.
11. Delivered guest lecture on "Anaesthesia for Bariatric Surgery" at MAMC Anaesthesia Update , Post Gradute Refresher Course, 2019 held at MAMC, New Delhi
12. Invited as guest speaker to talk on "ERAS: How feasible it is in old age patient" during Facts or Myths in Anaesthesiology held at MAMC, New Delhi on 15 December 2019.

Dr Lalit Gupta

1. Best Reviewer Award for Indian Journal of Clinical Anesthesia, 2018
2. Participated as Faculty for Airway Management Workshop of MAMC-LNH-AMF on 5th September for ICACON 2019

3. Participated as Faculty in MAMC Anaesthesia Update: P.G. Refresher Course (28th August – 1st September 2019)
4. Participated as Faculty & Chairperson in CME on changing trends in obstetric anaesthesia on 16th March 2019 for panel discussion

Dr Rahil Singh

1. 11th Annual Conference of The Indian Association Of Paediatric Anaesthesiologists (IAPA) in AIIMS on 9, 10 February 2019.
2. Invited as a faculty in CME on "Changing Trends in Obstetric Anesthesia" at MAMC on 16th March 2019 and coordinated the poster session.
3. Invited as Faculty for the 2nd "MAMC Anaesthesia Update 2019" held from 28th August -1st September 2019 at MAMC, New Delhi and delivered a lecture on "Ethical issues of informed consent". Also conducted a workstation on Airway devices in the same.
4. Invited as faculty for Airway Management Workshop" of MAMC- LNH- AMF for ICACON 2019 on 5th Sept'2019 and conducted workshop on preoxygenation devices at the same.
5. Facts and myths in Anaesthesiology MAMC on 14 and 15 December 2019. Was the member of organizing committee and delivered a lecture on "Fasting guidelines revisited in paediatric patients."
6. Co-author in posters presented at Facts and Myths in Anaesthesiology MAMC conference

Dr Sukhyanti Kerai

1. Invited as a faculty in CME on "Changing Trends in Obstetric Anesthesia" at MAMC on 16th March 2019 and delivered a lecture on "Posterior reversible encephalopathy syndrome".
2. Invited as Faculty for the 2nd "MAMC Anaesthesia Update 2019" held from 28th August -1st September 2019 at MAMC, New Delhi and delivered a lecture on "Perioperative anemia in surgical patients". Also conducted a workstation on Anaesthesia breathing circuits in the same.
3. Facts and myths in Anaesthesiology MAMC on 14 and 15 December 2019. Was the member of organizing committee and participated in pro-con session on "GA Vs RA in elderly"

Representation on expert Committee/Bodies

Dr Kirti Nath Saxena

Examiner

1. Examiner for external assessment of DNB candidates at Sir Ganga Ram Hospital, Jan 2019
2. Examiner of Annual MD examination of Delhi university held at MAMC on April 2019
3. Examiner of Supplementary MD examination of Delhi university held at MAMC on October 2019
4. DNB examiner at Batra Hospital in April 2019

On Interview Board Panel

1. Conducted 10 Senior Resident Interviews at LNH as expert
2. Invited as expert for Interview for the post of Specialist Grade-II (Jr. Scale) (Anaesthesiology) in ESIC for Haryana Region om 25.6.2019.
3. Conducted Interviews for contractual Assistant Professors at MAMC on 9& 10 th December 2019

Editorial Board membership

1. Editorial board member of Journal of Anesthesiology and clinical Pharmacology
2. Rater for the McMaster Online Rating of Evidence (MORE) System offered through the Health Information Research Unit of McMaster University, Canada
3. Editorial board member of Northern journal of ISA
4. Editorial board member of Medical journal of DY Patil university
5. Editorial board member of Journal of Anesthesiology and Pain Research
6. Editorial board member of Anesthesia-intensive care and pain therapy.
7. Editorial board member of MAMC Journal of Clinical Sciences

Dr J.S. Dali

i. As Expert for DNB Inspection of City hospital and Research Centre, Jabalpur, MP on 8th January
ii. Examiner for DNB practical at ESIC Hospital, Bangalore 26-28th Mar and DDU Hospital, N. Delhi 31st-2nd Nov

iii. Examiner for MD practical at GMC, Amritsar 5-6th Jun, GMC, Patiala 7th Jun and GMC, Amritsar 23rd Dec
iv. Examiner for DA practical at GMC, Amritsar 24th Dec
v. Adjudicator/Assessor for Thesis at National Board of Examination,BFUHS, Faridkot , AIIMS, N. Delhi .

Dr Munisha Agarwal

1. ICMR Project Review Committee
2. Member 'TAFT – Audit Filter Review Board" for ongoing Research trial by TITCO,India.
3. Examiner for :

a. For DA Examinations 2019, Delhi University, held at UCMS & GTBH,Delhi, 23rd-24th April,2019
b. DNB Practical Exam at Govt. Medical College, Trivandrum, 6th-8th April, 2019.

Dr Kavita R. Sharma

Examiner DNB May 2019 Vizag

Dr Anju R. Bhalotra

1. Invited as expert for DNB appraisal on 6.3.19 at Safdarjang Hospital
2. Invited as expert for the DNB workshop on validation of MCQs on 28.11.19
3. Invited as expert and faculty for conducting mock examination for postgraduate students at LHMC on 6 and 7 December 2019.
4. Expert for appraisal of theses from All India Institute of Medical Sciences / various Government medical colleges and NBE.
5. Expert external examiner for MD Anaesthesiology examination at Amrita Institute of medical sciences Cochin in April 2019.

Dr Sonia Wadhawan

1. Reviewer for Journal JOACP.
2. Appraiser for start of DNB Anaesthesiology program at Oswal Mohandai Hospital, Ludhiana on 20th dec 201
3. As NBE practical Examiner for Anaesthesiology at Govt General Hospital, Trivandrum, Kerala 10th – 12th April 2019
4. As examiner for the Anaesthesiology practical exam conducted by Baba Farid University of health sciences at DMC, Ludhiana 4th -5th June 2019
5. As MD Anesthesia Examiner for the practical exam from 20th -22nd June 2019 held by King George's Medical University, UP at Dr Ram Manohar Lohia hospital and KGMU
6. Appointed as expert for assessment of thesis of DNB trainees.

Dr Bharti Wadhwa

1. Member Scientific Committee for Annual Conference of ISA Delhi Branch 13/14th April 2019 held at New Delhi
2. Organizing Secretary for CME on Changing Trends in Obstetric Anaesthesia organized by Department of Anesthesiology, MAMC (March 2019)
3. Organizing Secretary for workshop on Ultrasound guided regional anesthesia (URAW) organized by Department of Anesthesiology, MAMC (March 2019)
4. Examiner for "work place based clinical assessment" a part of internal Appraisal of final year DNB candidate held at Max Superspeciality Hospital, Saket, New Delhi
5. Organizing Secretary And Faculty for Workshop on Ultrasound guided Regional Anaesthesia organized by the Department of Anaesthesiology, MAMC (May 2019)
6. Examiner for Annual DNB Practical Examination held at Medanta Hospital Gurgaon April 2019
7. Member Board of Specialists for Anesthesiology At National Board of Examinations
8. Setting up of question paper for DNB Theory examination at NBE
9. Member ethics committee for Thesis and Research Protocols, MAMC
10. Examiner for Baba Farid university, Punjab

Dr Mona Arya

1. Member of committee of course & studies of department of Anaesthesiology, Delhi University

Dr Kapil choudary

1. Executive Member representative for the Indian Society of Anesthesiologist, Delhi Branch during 2018-19 from the Department of Anesthesiology, MAMC

2. Member of the Committee of Courses and Studies of the Department of Anesthesiology, Faculty of Medical sciences, Delhi University
3. Reviewer for Indian Journal of Clinical Anaesthesia during 2019.

Dr.Lalit Gupta

1. Member of Advisory Board for 'International Conference on Technology for Education, Training and Business in collaboration with ARSEAM Foundation since 2017.
2. Editorial In Chief of International Journal of Critical Care Anaesthesiologists (April 2019) (https://www.emediwrite.com/editorial-board-members-of-emwpl-international-journal-of-critical-care-anaesthesiologists/)
3. Editorial In Chief of Journal of Regional Anaesthesia & Intensive Care (https://norcaloa.com/RAIC/editor-in-chief/)

Dr Sukhyanti Kerai

1. Reviewer for BMC Anesthesiology
2. Expert member of the selection committee for interview of candidates for the post senior resident department of biochemistry on 03.12.2019
3. Member of departmental committee for redressal of complaints related to scheduled caste and scheduled tribe residents

Health services to the community

Dr J.S. Dali

Smile Train is an **International charity** engaged in the care of **children born with cleft lip and palate** in developing countries, all over the world. **Conducted Medical Safety Audits** and credentialing of more than **15 partner hospitals** of **Smile Train India,** across the country (In the states of Maharashtra, Rajasthan, Uttar Pradesh, Chhattisgarh, Delhi, Haryana, Punjab, Bihar, Madhya Pradesh and Nepal).

Any other worth mentioning information:

Major Achievements of Department

1. Department of Anaesthesiology, MAMC received **Trophy for Best Clinical Meet** at ISACON 2019
2. Received **1st prize "T.N. Jha Awards for post graduate student"** at ISACON 2019, Delhi Chapter by Dr Chandrima Baneerjee, 2nd year PG Student
3. Received **2nd prize "T.N. Jha Awards for post graduate student"** at ISACON 2019, Delhi Chapter by Dr Nadim Hussain, 2nd year PG Student
4. Received **2nd prize "T.N. Jha Awards for post graduate student**" at National ISACON 2019, Benguluru by Dr Chandrima Baneerjee, 2nd PG Student
5. **Won 1st Prize** in poster competition by Dr Pawan and Dr Kush, senior residents at CME on " Changing trends in obstetric anaesthesia"
6. **Won 2nd Prize** in poster competition by Dr Devika Mishra , senior resident at CME on " Changing trends in obstetric anaesthesia"
7. **Won 1st Prize and 2nd prize** in paper presentation by Dr Nitin & Dr Divya Gupta, senior residents at RASCPCON, April 2019
8. **Won 2nd prize** for paper at ICACON September 2019 by Dr Prashant HT,2nd year postgraduate student
9. Dr Prashant HT 2nd Year PG Student won **1st Prize in quiz competition** held at STEPHCON Oct 2019

BIOCHEMISTRY

Name of Head of Department: Dr. Bidhan Chandra Koner

1. **Faculty:**

S.No.	Name of Faculty	Designation
1.	Dr. T.K. Mishra	Rejoined on contractual basis
2.	Dr. Pramod Lali	Director Professor
3.	Dr. B.C. Koner	Director Professor and Head
4.	Dr. Lal Chandra	Director Professor
5.	Dr. Smita Kaushik	Director Professor
6.	Dr. Binita Goswami	Professor
7.	Dr. Anubhuti	Associate Professor
8.	Dr. Maheswari K	Assistant Professor

2. **Members who have left during the period:**

S. No.	Name of faculty	Designation	Reason for leaving
1.	Dr. T.K. Mishra	Director Professor	Superannuated on 30-04-2019
2.	Dr. Srinivas H Gowda	Assistant Professor	Resigned on personal ground and relieved on 10-11-2019

3. Addition to the faculty during the period:

S. No.	Name of faculty	Designation	Whether newly joined/promotion
1.	Dr. Anubhuti	Associate Professor	Joined on 16.08.2017 after transfer
2.	Dr. T.K. Mishra	Assistant Professor	Joined on contractual basis on 02-09-2019

4. **Research schemes:**

(a) Ongoing projects:

a. MRU funded project of Rs. 2.5 lakhs, entitled "Effect of exposure to Bisphenol A and its analogue plasticizers on production of thyroid hormones in transformed thyroid cell line and on function of thyroid hormone in rat L6 muoblast derived myotubes." **Dr. B.C Koner**

b. GNCT funded project of Rs. 3 lakhs, entitled "Association of NADH dehydrogenase subunit 1 (*ND1*) gene polymorphism and serum leptin levels in pre-eclampsia patients".**Dr. P. Lali**

c. GNCT funded project of Rs. 3 lakhs, entitled "Assessment of Serum Leptin levels and tRNA Leu(UUR) gene and ND1 gene polymorphism in Gestational Diabetes Mellitus patients"**. Dr. L. Chandra.**

d. MRU funded project of Rs. 3 lakhs, entitled "Association of pesticide levels and their genetic determinants with ovarian reserve in females with primary infertility." **Dr. B. Goswami**

e. Evaluation of interaction between lindane and arsenic exposures in inducing insulin resistance in rat l6 myoblast derived myotube. **Dr. BC Koner**

f. Association of serum Resistin level and MMP-9 gene (1562 C/T) polymorphism in Coronary artery disease and Dibetes Mellitus. **Dr. L. Chandra.**

g. Association between Fibroblast Growth Factor Receptor 2 (FGFR2) gene polymorphism (rs2981582) and Survivin expression in breast cancer **Dr. B. Goswami**

h. Evaluation of serum levels of osteopontin and folate receptor alpha as diagnostic and prognostic biomarkers of ovarian carcinoma. **Dr. S. Kaushik.**

i. The diagnostic and pathogenetic significance of circular-RNA-000911 and micro-RNA-449a in breast cancer. **Dr. B. Goswami**

j. Association between androgen receptor gene G1733A (rs6152) polymorphism and ovarian cancer in Indian population.**Dr. S. Kaushik.**

(b) Details of thesis completed during current year:

1. PhD thesis:

a) "Role of pesticides on pathogenesis of diabetes mellitus".Thesis submitted.
Candidate: Mr. Vijay Kumar Singh;**Supervisor: Dr. B.C Koner**

b) "Effect of thermally altered edible oils on insulin resistance and coronary artery disease risk factors in albino rats:

modulation by antioxidants". Degree awarded.
Candidate: Dr. B. Shanmugasundaram; **Supervisor: Dr. B.C Koner**

c) "Role of organophosphorus compounds on pathogenesis of Diabetes Mellitus". Degree awarded.
Candidate: Dr. Shrijana Shrestha; **Supervisor: Dr. B.C Koner**

d) "A genetic study to evaluate clinical implication of thrombomodulin and associated proteins in coronary Artery disease". Degree awarded
Candidate: Dr. Mamta P Sumi; **Supervisor: Dr. A. Saxena**

5.Trainees from other agencies:

S. No.	No. of trainees	Sponsoring agency	Period of training
1.	10 (ten) MLT students	Jamia Milia Islamia, New Delhi	26-02-2019 to 18-03-2019
2.	11(eleven) MLT students	Meerabai Institute of Technology, New Delhi	01-07-2019 to 03-11-2019
3.	21 (twenty one) MLT students	Integrated Institute of Technology, Dwarka,New Delhi	01-07-2019 to 03-11-2019
4.	6 (six) MLT students	Meerabai Institute of Technology, New Delhi	10-10-2019 to 23-10-2019

6. Training course / Conferences / Workshops organized:

1. A workshop on "Cell culture techniques" was oraganised by the department on 19th -20th September 2017.
2. A CME on "Role of Lab Diagnosis in immunologic disorders" was organised by the department on 16th March 2019.

7. **Publications during the period:**

1. **Singh VK**, Sarkar SK, Saxena A, **Koner BC**. Effect of Subtoxic DDT Exposure on Glucose Uptake and Insulin Signaling in Rat L6 Myoblast-Derived Myotubes.Int J Toxicol. 2019 Jul/Aug;38(4):303-311. doi: 10.1177/1091581819850577. PMID: 31122091
2. **V K Singh**, S K Sarkar, A Saxena, **B C Koner**. Sub-toxic exposure to lindane activates redox sensitive kinases and impairs insulin signaling in muscle cell culture: the possible mechanism of lindane-induced insulin resistance. Toxicol in vitro,54:98-104, 2019.
3. Mariam W, Garg S, Singh MM, **Koner BC**, Anuradha S, Basu S. Vitamin D status, determinants and relationship with biochemical profile in women with Type 2 Diabetes Mellitus in Delhi, India. Diabetes Metab Syndr. 2019 Mar - Apr;13(2):1517-1521. doi: 10.1016/j.dsx.2019.03.005. PMID: 31336515
4. Das S, Nandi K, Baruah P, Sarkar SK, **Goswami B**, **Koner BC**. Is learning outcome after team based learning influenced by gender and academic standing?Biochem Mol Biol Educ. 2019 Jan;47(1):58-66. doi: 10.1002/bmb.21197. Epub 2018 Dec 20. PMID:30570198
5. Krishnamurthy K, **Mishra TK**, Saxena A, Daga MK, Khurana N, Masroor M, **Jamatia E.**Evaluating *NISCH* and *CDH1* Promoter Hypermethylation in Nonsmokers, Cancer Free Smokers and Lung Cancer Patients: A Case Control Study.Indian J Clin Biochem. 2019 Oct;34(4):458-464. doi: 10.1007/s12291-018-0767-5. Epub 2018 Jun 23. PMID:31686733
6. Lodh M, Debnath N, Mazumdar D, Banerjee B, **Goswami B**. Anthropometric and biochemical characteristics of adult patients with non-alcoholic fatty liver disease. Asian J Pharm Clin Res. 2019;12(1):1-5.
7. **Jamatia E**, Das J, **Goswami B**, **Kaushik S, Koner BC**. Evaluation of Effectiveness of Academic Debate: An Experiment with Creative Andragogy in Medical Biochemistry for Undergraduate Students. Journal of Research in Medical Education & Ethics. 2019;9(1):79-87.
8. Huchegowda R, Kumawat R, **Goswami B, Lali P, Gowda SH**. Derivation of a new formula for the estimation of low-density lipoprotein cholesterol. Indian Journal of Health Sciences and Biomedical Research (KLEU). 2019 Sep 1;12(3):223.
9. **Gulia R, Goswami B**. Comparability Assessment of Serum Electrolytes on Different Autoanalysers Working on the Same Principle. National Journal of Laboratory Medicine. DOI: 10.7860/NJLM/2019/40678:2354
10. **Verma R**, **Gupta SK**, Girish M P , Gupta M. Study of serum endothelial lipase levels and its gene polymorphism (LIPG 584C/T) in coronary heart disease in Indian population. Int J Clin Biochem Res 2019;6(4):611-617.
11. Sumi MP, **Guru SA**, Sahu S, Khan B, Mp G, **Saxena A**. "Role of HFE gene in coronary artery disease"–A study from India. Clinical Epidemiology and Global Health. 2019 Oct 23.

12. Mirza MAB, **Guru SA**, Abdullah SM, Rizvi A, **Saxena A**. MicroRNA-21 Expression as Prognostic and Therapeutic Response Marker in Chronic Myeloid Leukaemia Patients.Asian Pac J Cancer Prev. 2019 Aug 1;20(8):2379-2383. doi: 10.31557/APJCP.2019.20.8.2379. PMID: 31450909
13. Ali Beg MM, Fahdil SR, Yadav P, Shukla KK, Mohan A, **Saxena A**. Association of EGFR 1 Gene Alteration and their Association with Lung Adenocarcinoma Patients. Asian Pac J Cancer Prev. 2019 Mar 26;20(3):825-830. PMID:30912007
14. Zuberi M, Mir R, Khan I, Javid J, **Guru SA**, Bhat M, Sumi MP, Ahmad I, Masroor M, Yadav P, Vishnubhatla S, **Saxena A**. The promising signatures of circulating microRNA-145 in epithelial ovarian cancer patients. Microrna. 2019 Feb 24. doi: 10.2174/2211536608666190225111234. PMID: 30799804
15. **Sumi MP**, Guru SA, Mir R, Masroor M, Bhat MA, Girish MP, **Saxena A**. Clinical Importance of *Estrogen Receptor 1* (*ESR1*) Gene Polymorphisms and Their Expression Patterns in Coronary Artery Disease Patients: A Study from India. Indian J Clin Biochem. 2019 Apr;34(2):133-142. doi: 10.1007/s12291-019-00827-y.

16. **Sameer Ahmad Guru**, Masroor Ali Beg Mirza, Saleh Mohammed Abdullah, Aliya Rizvi, and **Alpana Saxena**. microRNA-21 Expression as Prognostic and Therapeutic Response Marker in Chronic Myeloid Leukaemia Patients. Asian Pac J Cancer Prev.2019;20(8):2379–2383. 10.31557/APJCP.2019.20.8.2379.

8. **Chapters contributed:**

A) Dr. Maheswari K has contributed four chapters on "quantitative genetics", "pedigree", "whole genome amplification" and "post translational modification" in Encyclopedia of Animal Cognition and Behavior

9. Conferences /workshops attended:

1. Dr. L. Chandra, Dr. Kruti, Dr. Lucy, Dr. Sandeep, Dr. Vatsala, Dr. Shailata, Dr. Harshit attended National Conference of Association of Medical Biochemists of India (AMBICON-2019) held in December, at DMC, Ludhiana.
2. Dr. Kruti and DR. Sandeep were awarded the 2nd prize in PG Quiz at AMBICON 2019.
3. Dr. L. Chandra, Dr Anubhuti, Dr. Sandeep, Dr. Vatsala, Dr. Shailata, Dr. Harshit attended the Annual Conference and International Symposium of Indian Society for Atherosclerosis Research (ISARCON-2019) held in November at LHMC, New Delhi.
3. Dr. S. Kaushik, Dr Parama, Dr. Vatsala, Dr. Shailata, Dr. Harshit attended a symposia on "biomarkers for the management of critical illness:an update" in GB Pant Hospital on 20th December 2019
4. Dr. Maheswari attended a conference on "genetics in fetal medicine" and workshop on FISH in MMM, Chennai from 13 – 15 september 2019.
5. Dr. S. Kaushik attended a CME on "The laboratory and Diabetes Mellitus – New Challenges, New concepts, New Measures" in Ganga Ram Hospital, New Delhi on 25th April,2019.
6. Dr. Maheswari, Dr. Elvia, Dr. Parama attended a workshop on " Flourescence In Situ Hybridiation" at DSS R&D Centre Image Tech Pvt. Ltd., New Delhi on 4th and 5th November 2019.

Paper/Poster presentation at conferences:

Dr. Elvia received the travel grant for presenting a poster on " Association of PON1 gene polymorphism and serum levels of Paraoxonase and malondialdehyde in patients with Metabolic syndrome" at the annual meeting of the Korean Society of Lab Medicine LMCE 2019, at Busan, South Korea (Abstract no. 231)
Dr. Parama received the travel grant for presenting a poster on " Evaluation Of Directly Measured LDL-Cholesterol In Assessing The Cardiovascular Risk Defined By Total Cholesterol/HDL-Cholesterol Ratio" at the annual meeting of the Korean Society of Lab Medicine LMCE 2019, at Busan, South Korea (Abstract no. 166)
Dr. Vatsala presented a free oral paper on "Extremely high CK-MB levels exceeding total CK levels in a 2 months old infant: a case report." in AMBICON 2019.
Dr. Shailata was awarded the third best poster for "Protein C and S deficiency in acute mesenteric ischaemia: a case report" at AMBICON 2019.
Dr. Sameer Ahmad Guru presented an oral paper on "JAK2 (V617F) positively regulates PD-L1 mRNA expression via STAT3/5 activation in MNP (PV and ET) patients" at the 17th Japanese Society of Medical Oncology (JSMO), annual meeting, Kobe Japan in 2019.
Mr. Vijay Kumar Singh presented an oral on "Evaluation of association of oxidative stress and TNF-α with insulinresistance and β-cell dysfunction on sub-chronic exposure of DDT and lindane in wistar albino rats." at the 5th World Congress on Chronomedicine WCC-UC 2019, Indian Society for Chronomedicine in Collaboration with Uttarakhand Cardiabcon) at AIIMS, Rishikesh.

11. Honors to Faculty:

A) Received the prestigious FLEMMING trophy 2018 for best research work from Dean, MAMC in the college Annual Day February 2019.

B) **Dr B.C Koner** delivered a guest lecture on " Exploring protein assays in diagnostics" in a symposia conducted at Government Institute of Medical Sciences, Noida, UP on 22nd April,2019

C) **Dr. L Chandra** delivered a guest lecture on "Lifestyle modification: Perception and Belief" at AIIMS, Rishikesh and AMBICON 2019

D) **Dr. L Chandra** chaired a scientific session at ISARCON 2019.

12. Representation on expert committee/bodies:

1. **Dr. P Lali** was the chairman of the committee for procurement of furniture in MAMC.
2. **Dr. P Lali** was the chairman of the committee for hiring housekeeping and sanitation services for MAMC.
3. **Dr. P Lali** was the chairman of the committee for binding of books, journals and various types of original forms for various departments of MAMC.
4. **Dr. P Lali** was the chairman of the committee for appointment of SRs and contractual APs in MAMC.
5. **Dr. B. C Koner**is the Nodal Officer of MRU, MAMC.
6. **Dr. B. C Koner** is an Hon. Faculty of the Medical education cell of the institution.
7. **Dr. B. C Koner** is the chairman of the Research cell, MAMC.
8. **Dr. B. C Koner** is the chairman of MACP committee, MAMC.
9. **Dr. B. C Koner** is the Store Officer, MAMC
10. **Dr. B. C Koner** is an expert in the project review committee of ICMR, SERB, DBT.
11. **Dr. B. C Koner**was external examiner in KGMU Lucknow, AIIMS Patna, AIIMS Raipur, Sagar Dutta Medical College, Kolkata for MBBS exam.
12. **Dr. B. C Koner**was external examiner in PGIMS, Rohtak for M.D Biochemistry examination.
13. **Dr. L Chandra**was external examiner for MBBS exam at SRMS Medical college, Bareily; Subharti Medical College, Meerut; PGIMS, Rohtak; GMC, Amritsar.
14. **Dr. L Chandra**was an expert in the committee for recruitment of faculty in RIMS, Ranchi and LHMC, New Delhi.
15. **Dr. S Kaushik**was an external examiner for M D exam at CMC, Ludhiana , and MBBS exam at Subharti Medical College, Meerut; Dr. Baba Sahib *Ambedkar* Medical College, Rohini and Hamdard Institute of Medical Sciences and Research, New Delhi.
16. **Dr. S Kaushik** is the member Secretary of the sexual harassment committee of MAMC.
17. **Dr. S Kaushik** is a member of Purchase Committee, LNH.
18. **Dr. S Kaushik** is a member of a sub-committee for implementation of new CBME based curriculum for MBBS, at MAMC.
19. **Dr. S Kaushik** is a member and external reviewer for research projects submitted to ICMR, Delhi.
20. **Dr. B Goswami**is a subject expert in Biochemistry in the NBE, UPSC and ICMR.
21. **Dr. B Goswami**is an Hon Faculty of the Medical education cell of the institution.
22. **Dr. B Goswami** is an inspector of medical education for MCI.
23. **Dr. B Goswami**was an external examiner for MBBS exam at Lucknow university and Gujarat university.
24. **Dr. B Goswami** is the In charge of Biochemistry lab in LNH.

14. Health services to the community:

a) All the Residents do the night duties on rotational basis at Biochemistry Laboratory of LN Hospital to ensure the quality and smooth running of the lab.

b) All the senior residents, post graduates and technical staff participated in the ongoing Pulse Polio immunization programme of Govt of NCT of Delhi..

15. LAB Data:

a. Central Lab Services LN Hospital:

Tests done:

All routine biochemical tests.	Urine electrolytes
Serum Lipase	Urine creatinine
Glycated Hemoglobin (HbA1c)	Urine total proteins
Serum CK total	Body fluid biochemistry
Serum CKMB	ABG, GTT

Serum amylase	Coagulation profile
S. LDH	Plasma lactate
S. Ionized calcium	

Number of tests performed during 2019

Month	**Total no. of investigations**	**Month**	**Total no. of investigations**
January	211440	July	148071
February	231952	August	145331
March	151424	September	145053
April	157228	October	199451
May	227185	November	149420
June	216710	December	146561
Total	2129826		

Percentage increase from last year**: 1%**

B. Electrophoresis Lab, MAMC:
Serum protein Electrophoresis:

NAME OF INVESTIGATION	NO. OF TESTS IN 2019
ELECTROPHORESIS	150

C. Special clinical chemistry Lab, MAMC:

No. of tests in 2019:
Test for Bence Jones proteins -61 tests
Screening tests for porphyria - 45 tests
Stone analysis - 32 tests

D. Electrochemiluminiscence lab, MAMC:
The following investigations are done :

TSH	β HCG	PSA	FOLIC ACID
FT4	CEA	TESTOSTERONE	CA 125
FT3	INSULIN	CORTISOL	PROGESTERONE
LH	PTH	VITAMIN D3	AMH
FSH	DHEA	VITAMIN B12	NT pro BNP
PROLACTIN	E2	AFP	Pro Calcitonin
FERRITIN	Anti TPO		

No.of tests done in Electrochemiluminescence Lab in 2019:43610 tests

16. New Facilities added:

A new capillary electrophoresis apparatus with quantification of the fractions have been started. Special coagulation profile parameters like Protein C and S,factor VIII are being done.

COMMUNITY MEDICINE

I. Name of the Head of the Department: Dr.Nandini Sharma

II. Name of Faculty:

S No	Name of the Faculty	Designation
1	Dr. GS Meena	Director-Professor
2	Dr. Suneela Garg	Director-Professor
3	**Dr. Nandini Sharma**	**Director-Professor and Head**
4	Dr. Panna Lal	Director-Professor
5	Dr. M.Meghachandra Singh	Director-Professor
6	Dr. Bratati Banerjee	Professor
7	Dr. Rajesh Kumar	Professor
8	Dr. Pragya Sharma	Professor
9	Dr. Nidhi Bhatnagar	Assistant Professor
10	Dr. AmodBorle	Assistant Professor
11	Dr. Shivani Rao	Assistant Professor

III. Projects:

A. Completed research projects this year:

a.	A prospective study of magnitude of domestic violence in pregnancy, it's associated factors, related maternal health and birth outcomes in Delhi	PI: Dr.SuneelaGarg Co-PI: Dr M.M. Singh	Funded by ICMR, New Delhi)
b.	Risk Factors and Treatment seeking pathways among patients of Multi Drug resistant Tuberculosis	PI:Dr. Nandini Sharma	Funded by RNTCP.
c.	Building capacity to prevent Cyberbulling in India and the U.S.: A cross cultural collaboration	PI:Dr. Nandini Sharma	Ministry of Human Resources Development (MHRD)
d.	Prevalence of Vitamin D deficiency and insulin resistance among type II diabetes patients attending a tertiary hospital in Delhi.	PI: Dr.M.M.Singh, Co-Investigators: Dr.S.Anuradha, SuneelaGarg, Dr. BC Koner.	

B. On-going projects

S No.	Name of Project	PI/CoPI	Funding Agency
	Menstrual hygiene practices among Adolescent Girls in Rural and urban resettlement areas of Delhi.	PI: Dr SuneelaGarg, Co-PI: Dr. MM Singh, Dr Nidhi Bhatnagar, Dr. Amod L. Borle	Dir. H & Family Welfare, Govt of NCT Delhi)
	Addressing Smokeless Tobacco and Building research Capacity in South Asia ASTRA	PI: Dr SuneelaGarg, Co-PI: Dr. MM Singh, Dr Nidhi Bhatnagar, Dr. Amod L Borle, Dr. Ravi Kaushik	National Institute of Health Research (NIHR) University of York
	Impact of Air Pollution on Public Health - An Observational Study	PI:Dr. Nandini Sharma	Funded by Delhi Pollution Control Committee (DPCC).
	Principal investigator for project "Latent TB Updates: Focus on Latent TB for TB Elimination in India- the Time is Now"	PI:Dr. Nandini Sharma	Approved for funding by RNTCP.
	ICMR funded community based intervention research project titled 'Efficiency of Child -To -	Dr.Bratati Banerjee	Indian Council of Medical research

	Child Approach in Preventing Childhood injuries and their Consequences'.		
	Awearenss and skill development on self breast examination among reproductive age group women in the field practice area of Maulana Azad Medical College, New Delhi.	Dr.Shivani Rao Dr. MM Singh Dr.NidhiBudh	

IV Thesis in 2019

A. On-going thesis

Name of the student	Title of the thesis	Guide	Co-guides
Dr. Dalveer Singh	A study about awareness and utilisation of JananiShishuSurakshaKaryakram provisions among post natal women in an urban resettlement colony of Delhi	Dr.G.S.Meena	Dr. SV Singh
Dr. Akashdeep Sharma	Prevalence and Associated factors of Smokeless Tobacco use Among Adolescent in Schools of Delhi	Dr. SuneelaGarg	Dr. M.M. Singh Dr. Pragya Sharma
Dr. Aditi Sejwan	Effect of Smoking on Sputum Conversion and treatment outcome in Newly Diagnosed Sputum Positive Male Pulmonary Tuberculosis patients attending DOTS Centres in Delhi	Dr SuneelaGarg	Dr. Nandini Sharma Dr. M.M. Singh Dr. Rajesh Kumar
Dr. Rohit Katre	Effect of nutrition education package on dietary modification in patients of diabetes and/or hypertension attending non-communicable disease clinic at a rural health training centre in Delhi	Dr Bratati Banerjee	Dr. Panna Lal/ Dr. Pragya Sharma
Dr. Madhuri	Primary health care: Utilisation pattern and quality of public sector facilities in an urban slum and resettlement colony of Delhi	Dr Nandini Sharma	Dr SuneelaGarg Dr Bratati Banerjee Dr Pragya Sharma
Dr. Varun	An epidemiological study on use of smokeless tobacco among adult population in an urban resettlement	Dr. MM Singh	Dr. SuneelaGarg/ Dr.Bratati Banerjee
Ankit Yadav	Study of self-medication practices among people aged 18 years and above in a rural area of Delhi	Dr G S Meena	Dr Rajesh Kumar
Navya G.	Study on prevalence of thyroid disorders, its associated risk factors and birth outcome among pregnant women attending urban health centre in Delhi	Dr. PannaLal	Dr. G.S. Meena Dr. M.M. Singh Dr. PramodLali
Pallavi Singh	Feeding practices in children under 2 years of age in a rural area of Delhi	Dr. Rajesh Kumar	Dr. G.S. Meena DrPannaLal
Dr. AanchalAnand	Prevalence of Malnutrition among adolescents in Delhi and assessment of its impact on their Quality of Life.	Dr.Pragya Sharma	Dr.Bratati Banerjee Dr. Monica Rana
Dr. Anjali Rajeev	Effect of mHealth intervention on antenatal care utilization andoutcomes among pregnant women attending an urbanhealth centre in Delhi.	Dr.SuneelaGarg	Dr. M. M. Singh Dr.NidhiBhatnagar Dr. Y. M. Mala
Dr. Archita Jain	Prevalence and Risk factors for Disability and Development Delays in children of age group 6-12 years in a Goverment School of Delhi.	Dr.Nandini Sharma	Dr.AmodLaxmikant Borle Dr.SangeetaYadav
Dr. ArtiNareda	A community based study on prevalence of Acute Respiratory Tract Infections and associated factors among under 5 children in a resettlement colony of Delhi.	Dr.PannaLal	Dr.NidhiBhatnagar

Dr.Divya Gupta	A study on Urinary Tract Infections among women attending antenatal clinic in an urban health centre in Delhi	Dr. M. M. Singh	Dr.Suneela Gar Dr. C. P. Baveja Dr. Y. M. Mala
Dr. Rahul Kumar	Epidemiological profile of injuries among geriatric population attending a primary health centre facility in urbanresettlement colony of Delhi	Dr.Bratati Banerjee	Dr. M. M. Singh
Dr.Vijaypal Singh	Immunization Coverage under Universal Immunizationand vaccine hesitancy in an urban resettlement colony of Delhi	Dr. Rajesh Kumar	Dr.AmodLaxmikant Borle Dr.Devendra Mishra
Dr. Vikram Singh	Perceived stress and coping mechanisms among undergraduate medical students.	Dr.Nandini Sharma	Dr.Shivani Rao

B. Completed thesis:

Dr Sahadev Santra	Effect of m-health on treatment adherence among Tuberculosis patients at DOTS centers in Delhi	Dr SuneelaGarg	Dr Nandini Sharma Dr M. Meghachandra Singh
Dr Neha Sharma	Unmet need for family planning and associated factors among women in extended postpartum period in an urban resettlement colony of Delhi	Dr Nandini Sharma	Dr SuneelaGarg Dr Bratati Banerjee Dr Y. M. Mala
Dr Jeevan Jyoti Meena	Effect of health education on nutritional status of elderly population in a rural area of Delhi	Dr G. S. Meena	Dr SuneelaGarg Dr G. S. Meena
Dr Jagriti	Epidemiological study of unintentional injuries among under 5 children and related treatment seeking behavior of caregivers in a rural area of Delhi	Dr M. Meghachandra \Singh	Dr SuneelaGarg Dr Pragya Sharma Dr K. Rajeshwari
Dr. Priyanka Yadav	A socio-epidemiological study of abortions in a rural area of Delhi	Dr G S Meena	
Dr. J Dhivagar	Validity of clinical examination for detection of anaemia among pregnant women attending rural rural health care facility in Delhi	Dr Bratati Banerjee	Dr G.K. Ingle
Dr. AlkaYadav, MD Ophthalmology	Evalution of Optical Coherence Tomography Parameters Following scleral Buckling Surgery In Primary Rhegmatogenous Retinal Detachment.		Dr. Nandini Sharma

V. Extramural meeting:

Dr. Suneela Garg

1. Dr.SuneelaGarg attended the Project Review Committee (PRC) meeting on women's health for the review of new and ongoing Ad-hoc and Task Force proposals in the discipline. at Conference Hall , ICMR New Delhi on 22nd January, 2019
2. Dr.SuneelaGarg attended IEC meeting to discuss the points for Script for the sponsored Radio programme for NPPCD (7th Feb. 2019) at MoHFW GOI
3. SuneelaGarg Attended meeting as chairperson " Meeting for PyareLal Sharma &Bishan Devi Gold Medal (7th Feb. 2019)
4. Dr.SuneelaGarg attended "PRC (project review committee) meeting to review the full proposals under Adhoc research scheme in the area of Obesity and Metabolic Syndrome and Chronic Diseases at ICMR , New Delhi on 26th March 2019

5. Dr. SuneelaGarg attended" PHFI Foundation Day ceremony on at PHD House, New Delhi 110016. (28th March 2019)
6. Dr.SuneelaGarg attended" PHFI with NIOH- to conduct 3 days workshop on Occupation Healthcare. 'National Curriculum Framework Finalization at -Ahmedabad. 29th & 30th March 2019.
7. Dr.SuneelaGarg attended " A state level meeting for review of Angwadi based weekly Iron & folic Acid Programme & Dissemination of Guidelines for implementation of UDAAN Scheme at VikasBhawan II (1st April 2019)
8. Dr.SuneelaGarg attended " meeting for finalisation of Radio Programmes under NPPCD at MoHFW GOI (22nd July 2019)
9. Dr.SuneelaGarg attended " Meeting to discuss the observations made by DEAN MAMC with references to the minutes of previous meeting review the guidelines for Research Activities. (30th July 2019)
10. Dr.SuneelaGarg attended Expert Group Meeting for Quality of Interpartum and immediate post partum care of Mothers and Newborn :- An Implementation research to improve performance of Laqshya programme in four districts spread across 2 EAG and 2 other states at ICMR (31st July 2019)
11. Dr.SuneelaGarg attended " Technical Steering committee for Norms for involvement of sub-division hospitals under NPPCD at MoHFW GOI (1st August 2019)
12. Dr.SuneelaGarg attended " The follow up meeting on School Level Interventions at WHO SEARO (7th October 2019)
13. Dr.SuneelaGarg attended " Meeting Regarding finalisation of open of Bid on GEM portal for hiring services for MAMC.
14. Dr.SuneelaGarg attended " To finalise the script for Sponsored Radio Prograame under NPPCD at MoHFW GOI 29th October 2019)
15. Dr.SuneelaGarg attended " International Meeting on "Tobacco Advertisement Promotion and Sponsorship Ban for Smokeless Tobacco"; at WHO FCTC Global Knowledge Hub on Smokeless Tobacco, Indian Council of Medical Research, New Delhi, India (6 & 7 November 2019)
16. Dr.SuneelaGarg attended "Meeting of the Committee of Courses & Studies (Community Medicine) University of Delhi, (10th December 2019)
17. Dr.SuneelaGarg attended World Health Organization (WHO) 4th consultation on the World Report on Hearing, at the WHO headquarters in Geneva, Switzerland. (6 and 7 August 2019)
18. Dr.SuneelaGarg attended International Meeting on "Tobacco Advertisement Promotion and SponsorshipBan for Smokeless Tobacco"; at WHO FCTC Global Knowledge Hub on Smokeless Tobacco, Indian Council of Medical Research, New Delhi, India 6 & 7 November 2019

Chair the session on **"Parties experience in implementing best practices of Smokeless Tobacco control policies**

19. Dr.SuneelaGargattended "First Membership Assembly of the World Hearing Forum December at the WHO Headquarters in Geneva, Switzerland. (4th Dec. to 5th Dec. 2019)
20. Dr.SuneelaGarg attended 4th consultation on the World Report on Hearing at the WHO headquarters in Geneva, Switzerland. (6th Dec. 2019)

Dr. Nandini Sharma

1. Attended "India Showcase" and 'Welcome Reception' events for Preparatory Meeting of the Global Fund's Sixth Replenishment (2020-22) on 7th February, 2019. Organized by Ministry of Health and Family Welfare, Govt. of India .
2. Attended ECHO training Under RNTCP at the Surya Hotel, New Delhi on 2nd May 2019.
3. Attended meeting of the all Heads of the Departments, University of Delhi/Head of the Institutions, Faculty of Medical Sciences on 4th June, 2019 at Faculty of Medical Sciences
4. Examined and conducted viva for PhD thesis in JNU on 12th June 2019.
5. Took lecture on District Disaster management preparedness & management during the Avalanches & landslides organized by NIHFW in training course on "District Preparedness for Public Health Emergencies Management" for Senior Faculties of Partner Institutions on 14th June, 2019.
6. Delivered a Lecture on "Health issues in water resources" in Training Course on "Integrated Water Resources

Management"by CBIP at Bhopal on 25th - 26th July 2019.

7. Attended meeting on Review of PG Ordinance on 26th July at VP Chest Institute Building, University of Delhi.
8. Core Committee meeting of RNTCP held on 6th Aug 2019 in dept. Of Community medicine MAMC
9. State Task Force (STF) of RNTCP at MAMC in Delhi, on 21st August, 2019
10. Participated in Workshop for paper setting of "Social Medicine & Community Health" on 13th & 14th Sept. 2019 for UGC-NET exam
11. Attended Test Development workshop on 13th & 14th Sep. 2019 at National Testing Agency (NTA) , Noida.
12. Organised CME on "Latent TB updates: focus on latent TB for TB elimination in India" on 3rd -4th October 2019 in MAMC
13. Attended meeting of the Faculty of Medical Sciences on 14th October, 2019
14. Attended confidential workshop for UGC –NET exam on 5th November, 2019 at National Testing Agency (NTA) Noida (UP).
15. Invited as an Expert for conducting the interviews at J&K Public Service Commission Jammu on 16th Nov. 2019.
16. Core Committee Meeting of RNTCP held on 20th Dec 2019 in Chest Clinic, LNJP.
17. Attended Delhi State OR Committee meeting on 25th Feb 2019.
18. Moderation of question bank workshop attended on 16 Dec in NBE

Dr Nidhi Bhatnagar

1. Master trainer in Introduction of Rotavirus vaccine in State Immunization Program and creation of master trainers.(10^{th} and 11^{th} June, 2019)
2. Master trainer in Workshop on VPD surveillance and case based MR surveillance. 26-28^{th} Nov, 2019
3. Health promotion for hearing care in schools of South East Asian Region" in Collaboration with WHO at MAMC (8^{th} to 9^{th} Nov. 2019).
4. Vaccinology for clinical and public health practice, November 18-21^{st} 2019. Department of Science and Technology with HITAP and London School of Hygiene and Tropical Medicine.
5. Training Course on Demographic Data Analysis for Health Personnel during (2nd – 6^{th} September, 2019) at NIHFW, New Delhi

Dr. Amod Borle

1) Environmental Impact assessment of water resource projects, WRD 24 of Bureau of Indian Standards.
2) Meeting to devise state action plan to combat against anti microbial resistance of GNCT of Delhi
3) Assessment of Effective Vaccine management of Bihar, National Institute of Health and Family Welfare. Attended as National Monitor

Dr.Shivani Rao

1) Meeting of National vector borne disease Control Programme in Delhi Secretariat in June 2019

Representation on expert committees/bodies.

Dr. Suneela Garg

1. Member of the Scientific Advisory Committee (SAC) ICMR
2. Project review member of ICMR
3. Member, review of MRHUs, MRUs under DHR-ICMR.
4. Chairman, Security Services at MAMC
5. Chairman, Final MBBS part -I at MAMC
6. Chairman, Departmental Canteen at MAMC
7. Chairman, Accommodation Committee MAMC
8. Chairman Academic Committee Research Society of MAMC
9. Examiner of NIHFW Examination
10. Member of NACO Consultant Interview Panel
11. Reviewer International Journal of Non-Communicable Diseases
12. The Editorial board member of (a) ; (b) Indian Journal of Preventive Medicine; (c) Indian Journal of Communicable diseases; (d) Asia Pacific Journal of Public Health

Dr GS Meena

1. Nodal Officer for MAMC Post Graduate Admissions Delhi University
2. Member Cafe and Kiosk Committee
3. Member ICMR Task force expert committee

4. Member Convocation Reception committee
5. Chairman /Member MAMC IT, LAN & Server Committee
6. Chairman Anti Ragging Committee
7. Faculty Adviser for Students Sports Committee
8. Nodal Officer for IDSP (Integrated Disease Surveillance Project)
9. Selection Committee Member Senior Residents
10. In-charge Departmental Senior Residents
11. Resource person for Sound Hearing 2030
12. Resource Person National Board of Examination
13. Expert Member, National Urban Health Mission

Dr. Nandini Sharma

1. Chairperson for the State Task Force for implementation of RNTCP in Medical Colleges of Delhi.
2. Chairperson for Constitution of Committee for finalizing a comprehensive and composite proposal for facilitating Training and Exchange Programs on Management Skills and Staff Skills of the in-service Medical Professionals/ Paramedicals/Nursing Staff of the Department of H&FW, Govt. of NCT of Delhi in National and International institutes of repute
3. Member Expert committee for evaluation of Operation Research Projects on RNTCP in Delhi.
4. Environmental Assessment and Management of Water Resources Projects Sectional Committee, WRD 24 of Bureau of Indian Standards.
5. Member Committee for monitoring and review work of Canals and Command Area Development of Omkareshwar Project constituted by MoEF.
6. Resource person for STI Control Programme in Delhi'
7. Technical Expert Group on TB Burden estimation in India
8. Expert committee for MDR-TB unit management in LN hospital.
9. Member Secretary Maulana Azad Medical College Protocol Committee
10. Nodal Officer Pulse Polio for Maulana Azad Medical College
11. Member Research Advisory Committee of Model Rural Health research Unit Distt. Una (HP)
12. Expert member for National Testing Agency.
13. Expert member National Board of examination.
14. Chairperson of Building Committee of MAMC.

Dr. MM Singh

1. Task Force Group member of ICMR on "Health systems preparedness for interventions for diabetes, hypertension, chronic respiratory diseases and cardiovascular disease and deaths due to non-communicable diseases among the tribal population in India"(2013 ongoing)
2. Project review member of ICMR on Stillbirths, fellowships,
3. Member, review of MRHUs, MRUs under DHR-ICMR.
4. Chairman, ethical committee board, Dept. of Anthropology, Delhi University
5. Chairman, ethical committee of New Delhi Tuberculosis Centre, New Delhi
6. Member, Ethical Committee, ESI, Basaidarapur, New Delhi
7. MBBS/MD examiner for Delhi University, CCS University, Meerut, Swami Ram Himalayan University, Dehradun., IP university, New Delhi, Manipur University, Imphal, Aligarh Muslim University, Baba Farid University, Swami VivekanadSubharti University, Meerut, JIPMER, Puducherry, MGM Medical College, Jaipur, AIIHPH, Kolkata.
8. Ph.D Thesis examiner of KG Medical University, MD thesis examiner of PGIMER, Chandigarh, BHU, Varanasi
9. Member, sanitation committee, MAMC, New Delhi
10. Nodal Officer, committee for harassment of North East students, MAMC, New Delhi
11. Member, H1N1 death review committee, Govt. of NCT Delhi
12. MCI Inspector
13. Nodal officer, MAMC app
14. Incharge, telephone, MAMC
15. Associate editor, International Journal of Non-Communicable Diseases

16. Editorial board member of (a) International Journal of Medical and Applied Research; (b) Indian Journal of Preventive Medicine; (c) Indian Journal of Communicable diseases; (d) Journal of Holistic Nursing and Midwifery.

Dr. Rajesh Kumar

- Member of the Sports Committee at MAMC.
- MIS Drug incharge
- Member of orientation of 1st year students; refreshment Committee.
- Member of Condemnation and auctioning committee.
- Member of store and stock position in department.
- Member of committee on "Sankalan."
- Faculty advisor "Goonj".
- Physical verification of stores of PG MET cell.
- In-charge of BVK health center
- Resource person for DNB; contributed to question bank, validation expert.
- Examiner of Final MBBS, Supplementary examination Community Medicine.
- External examiner IP University, at NDMC, Hindu Rao Hospital, Delhi.
- Superintendent Final MBBS Examination Part 1.

Dr Nidhi Bhatnagar

1. Department Nodal Person, Regional STI Reference Research and Training Centre, MAMC, under National AIDS Control Organization, New Delhi.
2. Incharge Senior Residents, Department of Community Medicine
3. Incharge medical examination of undergraduate batch 2019 for admission into MAMC.

VI. Conferences:

Dr. SuneelaGarg

1. Dr. SuneelaGarg attended Workshop "National Workshop on Community Based Rehabilitation for disabled people at IIC New Delhi (6th Feb. 2019) .
2. Dr. SuneelaGarg attended Conference " 4th International Conference on Occupational and Environmental Health Vardhman Medical College & Lady Hardinge Medical College New Delhi (13th Feb. To 17th Feb. 2019)

Panel Discussion : Climate facts of Occupational Health

3. Dr. SuneelaGarg attended CME Workshop on World Hearing Day at Dr. Shroff Charitable Eye Hospital (2nd March 2019)
4. Dr. SuneelaGarg attended " Indian Association of Preventive & Social Medicine Conference (IAPSMCON) at Shimla (7th to 11th March 2019)
5. Dr. SuneelaGarg attended " CME for Doctors on Recent Advances and updates in National Health Programmes for Major Public Health Problems (13-15 March 2019)
6. Dr. SuneelaGarg attended " Workshop on " Implementation of the Noise Pollution (Regulation& Control) Rules (11th April 2019)
7. Dr. SuneelaGarg attended Scientific Advisory Committee (SAC) of NICPR at NICPR's on 16th April 2019 .
8. Dr. SuneelaGarg attended FIRST FOUNDERS' DAY National Centre of Excellence and Advanced Research on Diets (NCEARD), Lady Irwin College April 18, 2019
9. Dr. SuneelaGarg attended dissemination workshop for research project on "Ëfficiency of child to child approach in preventing childhood injuries and their consequences." Held on 25th July 2019.
10. Dr. SuneelaGarg attended FICCI Working Group on Safe Listening Chapter Outline for the Paper on Make Listening Safe at FICCI Federation House, New Delhi (15th October 2019)
11. Dr. SuneelaGarg attended " Workshop on Sensitization of resident doctors in Managerial, Technical & Quality aspects of Family Planning " in the deptt of Community Medicine MAMC from 15th October to 16th October 2019

Delivered a lecture "Importance of Community Perspectives in delivery of Family Planning Services"

Dr. GS Meena

Health promotion for hearing care in schools of South East Asian Region" in Collaboration with WHO at MAMC (8th to 9th Nov. 2019).

Dr. Panna Lal

1. Attended Dissemination Workshop for the research project on " Efficiency of Child to Child Approach in preventing Childhood Injuries and their consequences" organized by Department of Community Medicine on 25th July, 2019.
2. Attended "Excellence in Peer Review : A Reviewer Training Workshop" organized by Taylor & Francis India in association with MAMC, New Delhi. On Monday, 9th September , 2019.
3. Attended "Panel Discussion on Jan JankiAushadhi : Janaushadhi" Organized by Karuna Foundation at Constitution Club on 13th October, 2019
4. Attended " Pulse Polio Silver Jubilee : Let's Review the Pledge to Reach Each Child" function organized by Ministry of Health & Family Welfare on 31st October, 2019
5. Participated as faculty in WHO SEAR Workshop on "Health promotion for hearing care in Schools of South East Asian Region" organized by Society for Sound Hearing and Dept. of Community Medicine, MAMC from 8th-9th November,2019
6. Attended "10th Indian Organ Donation Day " function organized by Ministry of Health & Family Welfare on 30th November, 2019
7. Attended conference on " Sri SathyaSai Medicare: Healing with love"organized by Sri Sathya Sai International Centre Delhi on 15th December (Sunday), 2019

Dr. MM Singh

1. Dr. MM Singh attended dissemination workshop for research project on "Ëfficiency of child to child approach in preventing childhood injuries and their consequences." Held on 25th July 2019.

Dr. Bratati

63rd National IPHA Conference 2018, to be held at Rangaraya Medical College, Kakinada, Andhra Pradesh

Dr. Rajesh

- 63rd Annual Conference of IPHA at Kakinada, AP.
- CME on Immunization updates: Newer initiatives in immunization and vaccine safety.
- Resource person for Symposium on "Breast cancer screening".
- CME on "Child abuse and safety"

Dr Nidhi Bhatnagar

1. 4th International Conference on Occupational and Environmental Health Vardhman Medical College & Lady Hardinge Medical College New Delhi (13th Feb. To 17th Feb. 2019)
2. 13th Annual Conference of Indian Society of Malaria and Communicable Disease in collaboration with NCDC and NVBDCP at Kochi, Kerela. (29th Nov-1st Dec, 2019)

Dr. Amod Borle

1. North Zone IAPSM Conference at Mewat 02 and 03Nov 2019

VII. Examination conducted:

Dr. SuneelaGarg

1. Dr.SuneelaGarg As an External Examiner for Post Graduate Diploma in Public Health Management at NIHFW (23rd July 2019)
2. Dr.SuneelaGarg as supervisor the term end practical examination of Post Graduate Diploma in Geriatric Medicine (PGDGM) IGNOU

Dr.PannaLal:

1. Internal Examiner for Regular Practical /Oral Examination of MD in Community Medicine of Delhi University held at Lady Harding Medical College from 23rd-26th April , 2019. & Supplementary Exam from 21st-22 October, 2019.
2. External Examiner for Practical/ Oral Examination of MD in Community Medicine held atMotiLal Nehru Medical College, Allahabad (King George Medical University, Lucknow , UP from 24th -25th June , 2019.

Dr. Bratati

1. External examiner for MPH Exam at All India Institute of Hygiene & Public Health, Kolkata, under The West Bengal University of Health Sciences

2. External examiner for MBBS Final Exam Part I at Kolkata Medical College, under The West Bengal University of Health Sciences
3. External examiner for MBBS Final Exam Part I at Hamdard Institute of Medical Sciences and Research, under The JamiaMilia University
4. Paper setter for Medical Sciences for UPSC exam
5. Interviewer for selection of Faculty in ESI Medical college, Faridabad

Dr. Amod

Examiner in DelhiUniversity for 3rd Prof, Part 1 examination of UG students.

Dr. Shivani Rao

Confidential officer for Delhi University Examination 3rd Prof Part I

VIII. Training/workshop/seminar organized:

Dr.SuneelaGarg:

1. Dr. Suneela Garg organising Committee (Conference " 4th International Conference on Occupational and Environmental Health (15th Feb. 2019 to 17th Feb. 2019)
2. Dr.Suneela Garg Organised " 2nd World Congress Sound Hearing at Bali Indonesia (20th Feb. To 23rd Feb. 2019)
3. Dr. Suneela Garg Organised the EAR Screening Camp for the officials of MoHFW GOI at Celebration of World Hearing Day at Ministry of Health & Family Welfare GOI (3rd March 2019)
4. Dr.Suneela Garg Organised Workshop " Health promotion for hearing care in schools of South East Asian Region" in Collaboration with WHO at MAMC (8th to 9th Nov. 2019).
5. Dr. Suneela Garg Organised Pilot Testing of Modules Occupational Health Program: Care And Compliance of Unorganized Sector Workers Perspective for the Primary Health Care Professionals (OHP-CAPH) Maulana Azad Medical College with NIOH & PHFI (16th Nov. 2019)

Dr.Nandini Sharma

1. CME on "Latent TB updates: focus on latent TB for TB elimination in India" on 3rd -4th October 2019 in MAMC
2. Core Committee Meeting of RNTCP on 6th Aug 2019 in Dept. of Community Medicine MAMC
3. Core Committee Meeting of RNTCP held on 20th Dec 2019 in Chest Clinic, LNJP.
4. State Task Force (STF) at MAMC in Delhi, on 21st August, 2019

Dr. MM Singh

1. Dr. MM Singh organised a workshop for nurses on "Breast cancer screening". 22nd March 2019, MAMC, New Delhi.

Dr Nidhi Bhatnagar

1.Sensitization of Doctors in Technical, Managerial and Quality Aspects of Family Planning. Held for all Medical Officers posted in GNCT Delhi involved in service delivery of Family Planning.

Dr. Bratati

1. Coordinator for 'CME for Doctors on Recent Advances and Updates in National Health Programmes for Major Public Health Problems', funded by MAMC
2. Coordinator forDissemination Workshop for the research project on 'Efficiency of Child-To-Child Approach in Preventing Childhood injuries and their Consequences'
3. Coordinator for 'Workshop on Surveillance of Childhood Injuries at Primary Health Care Facilities'

Dr. Amod Borle

1) Workshop on PubMed Search and Reference management using citation manager
   Date: 9th and 10th Dec 2019
   Funding: State Budget MAMC
2) As Co-coordinator for the workshop on Public Health Programme update organized from 13-15th March 2019
   Funding: State Budget MAMC

Dr. Shivani Rao

-Health camp on Anaemia organised on 25th september 2019

Honors:
Dr SuneelaGarg awarded Harcharan Singh Oration during 46th Annual National Conference, 2019 of IAPSM at IGMC Shimla.
Dr.Nandini Sharma Delhi State Award for meritorious services in the field of health care in Delhi, 2019.

IX. PUBLICATIONS

Dr. SuneelaGarg

1. Singh MM, Mangla V, Pangtey R, Garg S. Risk assessment of diabetes using the Indian Diabetes Risk Score: A study on young medical students from Northern India. Indian J EndocrMetab 2019;23:86-90.
2. Garg S, Singh MM, Hossain S, Arora I. Health and social implications of gender based violence. Paripex¯Indian Journal of Research.2019;8(6): 204-206.
3. Mangla V, Singh MM, Garg S, Koner BC, Anuradha S. Vitamin d deficiency and associated factors in type 2 diabetes mellitus patients in a tertiary care hospital in delhi: a cross sectional study. International Journal of Scientific research. 2019;8(3):53-55.
4. Garg S, Mangla V, Kohli C, Singh MM, Chadha S, Dahiya N. A cross-sectional study on hearing loss using world health organization protocol in Delhi. Indian J Otol 2018;24:184-9.
5. Garg S, Kohli C, Mangla V, Chadha S, Singh MM, Dahiya N. An Epidemiological Study on Burden of Hearing Loss and Its Associated Factors in Delhi, India. Ann OtolRhinolLaryngol. 2018 Sep;127(9):614-619. doi: 10.1177/0003489418781968. Epub 2018 Jun 25.
6. Mariam W, Garg S, Singh MM, Koner BC, AnuradhaS.Vitamin D status, determinants and relationship with biochemical profile in women with Type 2 Diabetes Mellitus in Delhi, India. Diabetes & Metabolic Syndrome: Clinical Research & Reviews.2019;13(2):1517-1521.
7. Basu S, Garg S, Sharma N, Singh MM. Enhancing Medication Adherence through Improved Patient-provider Communication: The 6A's of Intervention. JAssoc Physicians India 2019 Jul;67(7):69-71
8. Basu S, Garg S, Sharma N, Singh MM. Improving the assessment of medication adherence: Challenges and considerations with a focus on low-resource settings. Tzu Chi Med J. 2019 Apr-Jun;31(2):73-80.
9. Basu S, Garg S, Singh MM, Kohli C. Knowledge and practices related to the use of personal audio devices and associated health risks among medical students in Delhi.
   J Educ Health Promot 2019 15;8:42. Epub 2019 Feb 15.
10. Dahiya N, Aggarwal K, Singh MC, Garg S, Kumar R. Knowledge, attitude and practices regarding the screening of cervical cancer among women in New Delhi, India. Tzu Chi Med J. 2019 Apr-Jun;31(4):240-3.
11. Basu S, Garg S, Singh MM, Kohli C. Knowledge and practices related to the use of personal audio devices and associated health risks among medical students in Delhi.
    J Educ Health Promot 2019 15;8:42. Epub 2019 Feb 15.
12. Dahiya N, Aggarwal K, Singh MC, Garg S, Kumar R. Knowledge, attitude and practices regarding the screening of cervical cancer among women in New Delhi, India. Tzu Chi Med J. 2019 Apr-Jun;31(4):240-3.
13. Basu S, Budh N, Garg S, Singh MM, Sharma A. Postpartum depression burden and associated factors in mothers of infants at an urban primary health center in Delhi, India. Tzu Chi Med J. 0,0:0.
14. "**SurakshitMatritvaAashwasan (SUMAN)**" published in the current issue of AMDHS. Volume 2, Issue 4, Oct-Dec, 2019
15. Basu S, Mariam W, Garg S. Previous Animal Bite Exposure management among Incident bite cases in a secondary care hospital in Delhi, India. IJPH. 2019. (Accepted on 16.10.2019)
16. Garg S, Singh MM, RustagiRuchir, EngtipiKajok, BalaIndu. Magnitude of Domestic Violence and its Socio-Demographic Correlates among Pregnant Women in Delhi. Journal of Family Medicine and Primary Care 8(11):3634 · November 2019
17. Budh N, Arora E, Garg S, Zika Virus-An Emerging Threat. Indian Journal of Communicable Diseases : IJCD_9726_2019
18. Budh N, Arora E, Garg S, West Nile Fever- A Remerging Threat To Public Health . Indian Journal of Communicable Diseases : IJCD_9722_2019
19. Training of health workers for the Maternal Death Surveillance and Response program in India: the development of a resource package including learning modules, knowledge assessment and analytical

evaluation.Authors: SuneelaGarg,SauravBasu,DineshBaswal,WarishaMariram,RuchirRustagi **Accepted on** 21.12.2019 in Journal of Midwifery and Reproductive Health

Dr. Nandini Sharma

1. Basu S, Garg S, **Sharma N**, Singh M.M. Improving the assessment of medication adherence: challenges and considerations with a focus on low-resource settings. Tzu Chi Medical Journal. 2019; 31(2): 73–80.
2. Verma M, Vishwanath K,Eweje F,Roxhed N,Grant T,Castaneda M, Steiger C, Mazdiyasni H, Bensel T, Minahan D, Soares V, SalamaJ.A.F., Lopes A, Hess K, Cleveland C,Fulop D.J., Hayward A, CollinsJ,Tamang S.M., Hua T, Ikeanyi C, Zeidman G, Mule E, Boominathan S, Popova E, Miller J.B., Bellinger A.M., Collins, Leibowitz D, Batra S, Ahuja S,Bajiya M, Sarin R,Agarwal U,Khaparde S.D., Gupta N.K., Deepak Gupta D, Bhatnagar A.K., ChopraK.K., **Sharma N**. A gastric resident drug delivery system for prolonged gram-level dosing of tuberculosis treatment. Science Translational Medicine.2019;11(483): 62-67
3. **Sharma N**, Singla N, , Khanna A ,Basu S, Chopra K.K Chandra S, Kohli C. Pattern and trends of drug sensitivity in MDR-TB cases in Delhi (2009-2014): A record based study. Indian Journal of Tuberculosis IJTB. 2019;66(2):222-226.
4. Vankhuma C,Basu S, **Sharma N**, Kumar S. Tobacco use patterns and tobacco-related awareness in medical students of Delhi. Clinical Epidemiology and Global Health. doi.org/10.1016/j.cegh.2019.04.012
5. Basu S, Garg S,**Sharma N**, Singh M.M., GargS, Asaria M. The determinants of out of pocket healthcare expenses for Diabetes Mellitus patients in India: an examination of a tertiary care government hospital in Delhi. Perspectives in Clinical Research. DOI: 10.4103/picr.PICR_169_18
6. Basu S, Garg S, **Sharma N**, Singh M.M. Enhancing medication adherence through improved patient-provider communication: The 6A's of intervention. Journal of The Association of Physicians of India (JAPI). 2019;67;69-71
7. Dhaked S,**Sharma N**, ChopraK.K., Khanna A. Barriers and Challenges in Seeking Healthcare by Pediatric Tuberculosis Patients Attending DOTS Centers in Urban Areas of Delhi. 2019;5(1):8-12
8. **Sharma N**, Khanna A, Chandra S, Mariam W, Basu S, Kumar P, Copra K.K., Babbar N. Partnership in Tuberculosis control through involvement of pharmacists in Delhi: An exploratory operational research study. Indian Journal of Pharmacology. 2019;51(3):168-172.
9. Basu S, **Sharma N**. Diabetes self - care in Primary health facilities in India - challenges and the way forward.World journal of Diabetes. 2019;10(6):341-349.
10. Paton N.I., Borand L, Benedicto J, Kyi M.M., Mahmud A.M., Norazmi M.N., **Sharma N,** Chuchottaworn C, Huang Y.W., Kaswandani N, Hoi L.VHoi L.V., Lui G.C., Mao T.E. Diagnosis and Management of Latent Tuberculosis Infection in Asia: Review of Current Status and Challenges. International Journal of Infectious Diseases. DOI:10.1016/j.ijid.2019.07.004

Accepted

11. Basu S, **Sharma N**. Text-Messaging intervention improves patient diabetes related knowledge in a government hospital of India: a quasi-experimental study. Accepted for publication in The National Medical Journal of India
12. Trends and treatment outcomes of multidrug resistant tuberculosis in Delhi, India (2009-14): a retrospective record based study" is provisionally accepted in IJMR.
13. JEA-2019-2940.R1 entitled "Pilot evaluation of Setu, a school-based violence prevention program among Indian adolescent Sharma, Drishti; Mehari, Krista; Kishore, Jugal; Sharma, Nandini; Duggal, Mona
14. Basu S, Sharma N, Mase S, Sachdeva K .Ethical issues in expanding latent TB management in high burden countries" accepted in the Indian Journal of Medical Ethics.

Dr. MM Singh

1. Singh MM, Mangla V, Pangtey R, Garg S. Risk assessment of diabetes using the Indian Diabetes Risk Score: A study on young medical students from Northern India. Indian J EndocrMetab 2019;23:86-90.
2. Garg S, Singh MM, Hossain S, Arora I. Health and social implications of gender based violence. Paripex¯Indian Journal of Research.2019;8(6): 204-206.

3. Mangla V, Singh MM, Garg S, Koner BC, Anuradha S. Vitamin d deficiency and associated factors in type 2 diabetes mellitus patients in a tertiary care hospital in delhi: a cross sectional study. International Journal of Scientific research. 2019;8(3):53-55.
4. Garg S, Mangla V, Kohli C, Singh MM, Chadha S, Dahiya N. A cross-sectional study on hearing loss using world health organization protocol in Delhi. Indian J Otol 2018;24:184-9.
5. Garg S, Kohli C, Mangla V, Chadha S, Singh MM, Dahiya N. An Epidemiological Study on Burden of Hearing Loss and Its Associated Factors in Delhi, India. Ann OtolRhinolLaryngol. 2018 Sep;127(9):614-619. doi: 10.1177/0003489418781968. Epub 2018 Jun 25.
6. Mariam W, Garg S, Singh MM, Koner BC, AnuradhaS.Vitamin D status, determinants and relationship with biochemical profile in women with Type 2 Diabetes Mellitus in Delhi, India. Diabetes & Metabolic Syndrome: Clinical Research & Reviews.2019;13(2):1517-1521.
7. Basu S, Garg S, Sharma N, Singh MM. Enhancing Medication Adherence through Improved Patient-provider Communication: The 6A's of Intervention.JAssoc Physicians India 2019 Jul;67(7):69-71
8. Basu S, Garg S, Sharma N, Singh MM. Improving the assessment of medication adherence: Challenges and considerations with a focus on low-resource settings. Tzu Chi Med J. 2019 Apr-Jun;31(2):73-80.
9. Basu S, Garg S, Singh MM, Kohli C. Knowledge and practices related to the use of personal audio devices and associated health risks among medical students in Delhi.

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10. Dahiya N, Aggarwal K, Singh MC, Garg S, Kumar R. Knowledge, attitude and practices regarding the screening of cervical cancer among women in New Delhi, India. Tzu Chi Med J. 2019 Apr-Jun;31(4):240-3.
11. Basu S, Budh N, Garg S, Singh MM, Sharma A. Postpartum depression burden and associated factors in mothers of infants at an urban primary health center in Delhi, India. Tzu Chi Med J. 0,0:0.

Dr. Rajesh Kumar

1. Garg P, Kumar R. Study of depression, anxiety and stress in Class-IV workers of a medical college of Delhi. Indian J Soc Psychiatry 2019; 35: 57-63.
2. Dahiya N, Kumar R, Meena GS, Goel P. Knowledge and practices regarding the prevention of tetanus among adults of resettlement colony of Delhi, India. Indian J Med Spec 2019;10:155-8.
3. Dahiya N, Aggarwal K, Singh MC, Garg S, Kumar R. Knowledge, attitude, and practice regarding the screening of cervical cancer among women in New Delhi, India. Tzu Chi Med J [Epub ahead of print] [cited 2019 Apr 9].
4. Singh S, Dahiya N, Singh AB, Kumar R, Balhara YP. Gaming disorder among medical college students from India: Exploring the pattern and correlates. Ind Psychiatry J 2019;28:107-14

ANNUAL REPORT OF HEALTH CENTERS

Annual Report of BastiVikas Kendra, Balmiki Basti, 2019

Total OPD cases: 3982

Number of Health Talks given: 20

Health education:

- Health education was given by Under Graduate students of Maulana Azad Medical College. On the topics
  1. Acute Respiratory Infection; symptoms, danger signs , prevention and management
  2. Hand Hygiene along with demonstration.
- Skits were organized by Under Graduate students.
- Charts and video clips were used for health education.
- Post graduate student had also organized Health talks.
- World Health Day was celebrated regarding Universal health coverage among BVK residents on 7th April 2019. Health talk.
- Health education was given on prevention and management of Anemia in the Centre focusing on Adolescent girls and pregnant females.

- International Breast Feeding week celebrated in community on 7 August 2019. Health talk was given by the interns on the importance of breast feeding. Main focus was given on the early initiation of breast feeding, exclusive breast feeding, restriction of pre lacteal feeds, attachments and positioning during feeding.
- Health talk was held on Air Pollution: Dos and Don'ts in the center.

Health Promotion Activities:

- Counseling on various methods of contraception was conducted in the center.
- Counseling on the following topics were conducted in the OPD
  1. Management and importance of treatment adherence in Hypertension and Diabetes Mellitus.
  2. Diarrhea management, ORS preparation and home remedies.
- Health promotion activity was held on the occasion of Menstrual Hygiene Day amongst adolescent girls. And some packets of sanitary napkins were distributed for motivational purpose..
- Counseling on lifestyle modification for Hypertension and Diabetes Mellitus patients was given regularly to the OPD patients.

Academic activities:
3rd professional practical examination was conducted in the field area.

Referral Services:

- Two way referral services to LNH were given to patients when required.
- All motivated couples for sterilization are referred to the LN hospital.

Annual report of Delhi Gate Centre

Following activities are conducted at Delhi Gate Health Centre:-

1. O.P.D. services
2. M.C.H. and family welfare services
3. Implementation of National Health programmes
4. Research activities
5. Control of communicable diseases
6. Health education in the community
7. Training of interns
8. Referral services

Total Population (health practice area):-
As on 31.12.2017: **10800**; Males = **5604**; Females = **5196**; Under 5 = **2505**; Total no of houses = **1806**
O.P.D. Services: - Total: 9534

Disease specific OPD Services	**Male**	**Female**	**Total**
RTI/STI	**202**	**76**	**278**

ARI- 1782
Diarrhoea- 614
Dental - 18
ENT- 30
Ophthalmic related-81
Diabetes- 275
Hypertension-964
Adolescents-
Male- 388 **Female-**427

M.C.H. and family welfare services: -

MCH Services	Total
ANC	49
1st visit in 1st trimester	14
TT 1	30
TT 2 + Booster	24
Post natal visits	28

Details of Contraceptive Usage:

Method of contraception	Total
Condoms	2450
Oral pills	54
IUCD	0
I pill	0
Total	2504

Immunization services:

Vaccine	Total	Vaccine	Total
BCG	13	MMR	11
OPV '0' Dose	3	OPV/DPT booster- 1	81
Penta/OPV/DPT/Hep B 1st	99	DPT booster- 2	54
Penta/OPV/DPT/Hep B 2nd	87	Typhoid(TAB)	0
Penta/OPV/DPT/Hep B 3rd	87	Vitamin A 1st dose	32
IPV 1+2	99+87	Vitamin A 5st dose	13
Measles 1st	65	Vitamin A 9th dose	30
MR	66	TT	15

Under 5 services-

DISEASES	Total
Diarrhoea	115
URI	784
SAM	0
Pneumonia	30

Number of Under-5 children given Albendazole- 39

General activities:

1. Health talks given in community by interns on common public health problems and healthy lifestyle habits
2. Education of interns about rational usage of drug
3. Training of interns in immunization and record maintenance
4. Health education activities organized for dengue, diarrhoea, malnutrition
5. Prevention and control of anaemia in adolescents and pregnant women
6. Prevention and treatment of diarrhoea
7. Infant and young child feeding practices along with growth monitoring and counselling of mothers.
8. ANC- Management of common medical problems, referral and follow-up

Health talks given by interns to community:

1. Knowledge about dengue and othervector bornediseases
2. Geriatric health problems
3. Hand washing and hand hygiene, personal hygiene and sanitary hygiene
4. Prevention and control of anemia in adolescents
5. Prevention and treatment of acute respiratory illness
6. Infant and young child feeding practices

7. ANC- common problems and treatment
8. Knowledge and awareness about RTI/STI
9. Knowledge about Menstrual hygiene
10. Knowledge and awareness about scabies
11. Self breast examination practice
12. Indoor and outdoor air pollution and related illness

World health days celebrated:

1. National deworming day
2. World hearing day
3. World glaucoma week
4. World health day
5. World population day
6. World breastfeeding week
7. Population stabilisation fortnight

Referral Services:

1. All the ANC cases with special reference to Primigravida and High Risk cases are referred to the LNJP hospital for further appropriate management.
2. All motivated couples for sterilisation are referred to the LNJP hospital.
3. The hypertensive patients with uncontrolled blood pressure were referred to GB Pant Hospital.
4. The diabetic patients with uncontrolled blood sugar were also referred to GB Pant Hospital.

ANNUAL REPORT OF U.H.C. GOKALPURI, DEPARTMENT OF COMMUNITY MEDICINE, MAMC

Following activities are conducted at UHC Gokalpuri:

1. OPD services (ANC, IMMUNIZATION)
2. MCH and family welfare services
3. Implementation of National Health Programmes
4. Research activities
5. Collection and compilation of vital statistics
6. Control of communicable diseases
7. Health education in the community
8. Training of interns, aanganwadi workers and ASHA worker
9. DOTS centers
10. Referral services

Total population (health practice area)

As on June 2019, Gokalpuri (A+B+C+D blocks+ Sanjay colony) = 29455
Males: 15713
Females: 13742
Total no of houses: 3029
Total families:

BLOCKS	MALES	FEMALES	TOTAL
A BLOCK	2990	2410	5400
B BLOCK	3079	2471	5550
C BLOCK	3190	2805	5995
D BLOCK	3135	2865	6000
SANJAY COLONY	3319	3191	6510
TOTAL	15713	13742	29455

Total OPD Cases 640
ANC cases 3710
Immunization=4520

M.C.H. and family welfare services:

	Gokalpuri	Outsiders	Total
ANC new registration	452	608	1060
12 weeks	212	291	503
3 check ups	598	713	1311
TT/Td 1	667		667
TT/Td 2	476		476
TT booster	181		181
IFA prophylaxis	3655		3655

Deliveries conducted by :

	Gokalpuri
UHC staff	NIL
Home delivery	2
Hospital and nursing home	218
Grand total	220 live births (119 male, 101 female)

Total eligible couples (service area only) =5665
Immunization services:

	Gokalpuri	Outsiders	Total
BCG	39	35	74
OPV 0	1	2	3
Rota 1*	91	159	250
Rota 2*	41	74	115
Rota 3	38	71	109
Penta 1/ OPV 1	266	461	727
Penta 2/ OPV 2	267	424	691
Penta 3/ OPV 3	266	416	682
MR 1**	66 + 157	79 + 308	610
MR 2**	75 + 166	96 + 235	572
OPV/ DPT booster 1	241	331	572
DPT booster 2	130	273	403
Td10	41	74	115
Td16	0	4	4
Vitamin A dose 1	66	69	135
Vitamin A dose 5	76	94	170

*** August onwards**
**** Measles/MMR only till Mar'2019; MR subsequently**
Vital statistics:
Total live births: 220
Males: 119
Females: 101
Home births: 02
Hospital births: 218
Total deaths: 41
Males: 29
Females: 12
Hospital deaths: 32
Home deaths: 9

Health talks given by intern, SR = 23

RNTCP (DOTS)
No of patients screened for TB=732

No of sputum positive cases= 101
No of cases put on DOTS therapy=86
Referred to other centers= 11
Defaulters=2
MDR TB =13

Aanganwadi services (ICDS):
Every Tuesday interns visit the aanganwadi under the supervision of senior residents and give health talk to beneficiaries followed by health check up. Aanganwadi workers send the children for routine immunization and PEM children for nutritional advice. Total aanganwadi= 28(Gokalpuri+ Ganga vihar+Sanjay colony)

Research activities:

1. Study on the effect of thyroid dysfunction on the birth outcome among pregnant women attending the urban health centre in Delhi. - Dr Navya
2. Primary health care, utilization pattern and quality of public sector facilities in an urban slum and resettlement colony of Delhi. - Dr Madhuri
3. An epidemiological study on the use of smokeless tobacco among adult population in an urban resettlement colony of Delhi. - Dr Varun
4. A study on Urinary tract infections among women attending antenatal clinic in an urban health centre in Delhi. DrDivya
5. Effect of mHealthintervention on antenatal care utilization and outcomes among pregnant women attending an urban health centre in Delhi. Dr Anjali
6. Immunization coverage under Universal Immunization Programme and vaccine hesitancy in an urban resettlement colony of Delhi.Dr Vijay
7. Epidemiological profile of injuries among geriatric population attending a primary health care facility in an urban resettlement colony of Delhi.Dr Rahul
8. A community based study on prevalence of Acute Respiratory Tract Infections and associated risk factors among Under five children in a resettlement colony of Delhi.DrArti
9. A study about awareness and utilization of JananiShishuSurakshaKaryakram provisions among post-natal women in an urban resettlement colony of Delhi. Dr Dalveer Singh
10. Menstrual hygiene practices among adolescent girls in rural and urban resettlement areas of Delhi. PI: Dr. SuneelaGarg, Co-PI: Dr. M. Meghachandra Singh, Dr. Nidhi Bhatnagar
11. Study to assess the knowledge, attitude, practice regarding breast cancer and skill development on self- breast examination among reproductive age group women in Gokalpuri- Dr. Shivani Rao, Dr. M. Meghachandra Singh, Dr. NidhiBudh
12. Knowledge regarding Dengue and preparedness for its prevention and control among adults in an urban area of Delhi -Dr. M. Meghachandra , Dr. SuneelaGarg, Dr. AmodBorle , Dr. PalakGoel
13. Breast feeding self-efficacy and relation with postpartum depression in mothers of infants Dr. SuneelaGarg, Dr. M.Meghachandra Singh, Dr. SauravBasu, Dr. Ekta Arora, Dr. NidhiBudh
14. Adherence to Iron Folic Acid in pregnant women in an urban health center in Delhi, India: a mixed methods study Dr. M. Meghachandra Singh, Dr. SuneelaGarg, Dr. SauravBasu, Dr. Ekta Arora, Dr. NidhiBudh

General activities:
A. Health talks given by interns in community, Anganwadicenter:

1. Knowledge about dengue and common health problems
2. Breast feeding practices
3. Hand washing and hand hygiene, personal hygiene and sanitary hygiene in MCD school
4. Antibiotic awareness
5. Prevention and treatment of diarrhea
6. Infant and young child feeding practices
7. ANC- common problems and treatment
8. TB awareness

Referral services:

1. All the ANC cases with special reference to primigravida and high risk cases are referred to hospital for institutional deliveries.
2. All motivated cases for sterilization are referred to the hospitals.
3. During the school health checkup children requiring a specialist opinion are referred to the hospitals.

ANNUAL REPORT OF RHTC, BARWALA - 2019

ANC REGISTERED	224
INJ T.T I	115
INJ TT II + BOOSTER	145
TOTAL IRON TABLETS DISTRIBUTED TO ANTENATAL MOTHERS	32500
DELIVERY CONDUCTED BY STAFF	NIL
HOME DELIVERIES	6
INSTITUTIONAL DELIVERIES	86
TOTAL	92
TWIN DELIVERIES	2
LIVE BIRTH	94
STILL BIRTH	NIL
ABORTION	2
INFANT DEATH	1
TODDLER DEATH	NIL
NO.OPD CASES SEEN	24359
BCG	9
DPT I	2
DPT II	1
DPT III	0
PENTAVALENT 1	151
PENTAVALENT 2	144
PENTAVALENT 3	166
FRACTIONAL IPV I	150
FRACTIONAL IPV II	165
DPT BOOSTER	192
MEASLES	185
MEASLES RUBELLA(MR)	118
MMR	131
D.P.T (5 Yrs)	110
TYPHOID	0
ROTA VIRUS 1	61
ROTA VIRUS2	31
ROTA VIRUS 3	19
TOTAL NO.OF VITAMIN A DOSES GIVEN	53
V	61
IX	57
NO.OF INFANT IN EACH CLINIC	12-15
NO.OF TODDLER IN EACH CLINIC	10-12
TOTAL NO. OF TARGET COUPLE	1052
TUBECTOMY	4
C.C USER	2460
MALA N	244 CYCLES
LIVE BIRTH	94
MATERNAL DEATH	NIL
HEALTH EDUCATION/ HEALTH PROMOTION ACTIVITIES	42

GENERAL ACTIVITIES:

1. O.P.D. services
2. M.C.H. and family welfare services
3. ANC- Management of common medical problems, referral and follow-up.
4. Health educational and promotional activities done in community by interns on common public health problems and healthy lifestyle habits.
5. Implementation of National Health programmes
6. Research activities
7. Identification and public health measures for outbreak prevention in community
8. DISHA clinic for Adolescents (10-19 yrs) on Saturdays addressing common issues like Growth andDevelopment, Nutrition, Sexual and Reproductive concerns, Mental Health etc in Adolescents.
9. NCD clinic on Fridays for Screening and Management of Common NCDs like Diabetes,Hypertension etc. Increasing health awareness about NCDs and their prevention along withScreening of whole population of Barwala village is an important function of this clinic.
10. Screening for Diabetic retinopathy in NCD clinic in collaboration with Dr Shroff Eye hospital

Research activities:

1. Dr Pragya Sharma as guide of post graduate MD Thesis on "Prevalence of malnutrition among adolescents in Delhi and assessment of its impact on their quality of life" by Dr Aanchal, Co-supervised by Dr Bratati Banerjee
2. Dr Rajesh as guide of post graduate MD Thesis on "Feeding practices in children under 2 years of age in a rural area of Delhi." By Dr Pallavi, co-supervised by Dr Panna Lal & Dr G.S Meena
3. Dr Bratati Banerjee as guide of post graduate MD Thesis on "Effect of nutrition education package on dietary modifications in patients of diabetes and/or Hypertension attending NCD Clinic at Rural Health Training center in Delhi" By Dr Rohit, co-supervised by Dr Panna Lal and Dr Pragya Sharma
4. Dr G.S Meena as guide of post graduate MD Thesis on "Study on quality of life and associated factors among elderly in a rural area of Delhi" By Dr Ankit, co-supervised by Dr Nandini Sharma & Dr Rajesh Kumar

OTHER RELEVANT ACADEMIC INFORMATION WORTH MENTIONING:

1. Celebration of Important Health Days for raising awareness and Education of Community regarding the Concerned Health issues is an ongoing process at RHTC Barwala. World Health Day, World Aids Day, Mental Health Day, World TB Day etc are celebrated on similar lines with Community participation in form of Quiz, Group discussion and Role Plays & Skits.

2. Door to Door Health education campaign for identifying breeding places and imparting information for prevention of vector borne diseases mainly Dengue was done in Barwala Village.

3. Health awareness play/skit – 24, with the help of Interns and Post Graduate students are done as a part of IEC activities.

4. Important public health related topics were covered in health education activities like:
   1) Tobacco Cessation Program
   2) Prevention of non-communicable diseases
   3) Prevention and control of vector borne diseases
   4) New Born Care
   5) Tuberculosis management and stigma
   6) Prevention of HIV/AIDS and stigma related etc.

5. Screening of geriatric population for NCDs like DM Hypertension, Cataract done on Geriatric Day

6. Screening of Adolescents for substance abuse in collaboration with Psychiatry department, AIIMS, New Delhi.

7. Linkages with MVH, Pooth for referral of high risk cases of ANC & OPD Patients.

8. Four interactive sessions were organized for dietary modifications/ advice of NCD clinic patients mainly DM & HTN in coordination with Dietetics Department, LNH.

9. National TB Day celebration: Role play focusing dietary supplementation and medicine compliance.

10. RHTC is also TMP (Team Movement Point) for Pulse Polio Activities.

Departmental activities undertaken at Maharishi Valmiki Hospital, PoothKhurd

Dr. RuchiraPangtey(1st January-13th November 2019)

1. Health talk on Universal Health Coverage and Ayushman Bharat on World Health Day.
2. Health talk on Swachh Bharat Abhiyan.
3. Health talk on BMW management, personal hygiene and demonstration of hand hygiene techniques.

Dr. KajokEngtipi (13th November 2019 onwards)

1. Seminar on "Patient safety" by residents posted at Pooth for resident doctors and nursing staff at MVH Pooth.
2. Audit of medical records in MRD department of MVH Pooth done every month.

Activities by MBBS Interns 2018 Batch during the residential posting at Maharishi Valmiki Hospital, PoothKhurd.

1. Management of indoor and outdoor patients.
2. Vaccination of pregnant mothers and children as per national immunization schedule.
3. Performed /assisted several major and minor procedures in various medical departments.
4. Training on Biomedical waste Management every month.
5. Assisted several deliveries in labour room.

DERMATOLOGY, VENEREOLOGY & LEPROLOGY

1.Name of the Head of the Department: **Dr. Bijaylaxmi Sahoo**

S.No.	Name of the Faculty	Designation
1.	Dr.Bijaylaxmi Sahoo	Director Professor and HOD
2.	Dr. Rashmi Sarkar	Professor
3.	Dr. Krishna Deb Barman	Professor
4.	Dr. Vineet Relhan	Assistant Professor

2. Members who have left during the period: **N/A**
3. New Additions to the Faculty during the period: **N/A**
4.Research Scheme

(a) On-going projects-

- Correlation of serum IL-6, TGF-beta and STAT3 in dermis with the extent of skin fibrosis (Modified Rodnan Skin Score) in patients of systemic sclerosis under Medical Research Unit (MRU), MAMC
- Detection of Dermatophytes in Patients with Onychomycosis (In Collaboration with Dept. of Microbiology)
- Role of CBNAAT in Rapid Diagnosis of Cutaneous Tb and Rifampicin Resistance
- Chlamydia Trachomatis Co-Infection Among Males with Genital Ulcer Disease Attending Std Clinic
- Evaluation of serum pentraxin 3 level and pentraxin 3 gene polymorphism in Lepromatous leprosy patients
- Role of Platelet Rich Plasma as an Adjuvant in Treatment of Melasma
- To Compare Efficacy of Microneedling with 15% TCA Versus Microneedling with 25% Pyruvic Acid in Acne Scar
- Comparison of Narrowband Ultraviolet B Alone and Narrowband Ultraviolet B in Combination with Microneedling In Patients with Stable Vitiligo
- Role of cytology in the categorization of primary skin tumors (In Collaboration with Department of Pathology)

(b) Details of thesis completed during current year:

- Clinical profile and contact sensitivity pattern in patients with Allergic Contact Dermatitis to cosmetics
- Comparative efficacy of platelet rich plasma and intralesional triamcinolone in patchy alopecia areata of the scalp
- A comparative study of Microneedling alone versus along with Platelet Rich Plasma in Acne scars
- To compare the efficacy of Intralesional Bleomycin with Intralesional Triamcinolone acetonide in the treatment of Keloids (Department of Plastic Surgery)

5.Trainees from other agencies:

S. No	Name of the trainees	Sponsoring agency	Whether newly joined/promoted
1.	Medical Officers (HIV and STD)	IGNOU	-
2.	PGDGM (Geriatric Dermatology)	IGNOU	-

6.Training course/Conferences/Workshops organized:

Dr. Bijaylaxmi Sahoo conducted:

- **A CME on 'Cutaneous Tuberculosis- A Mutidisciplinary Approach'** was organized in the department of Dermatology along with the department of Chest TB (LNH) on 28th July 2019, with Dr. Bijaylaxmi Sahoo as the Organizing and Scientific Chairperson.
- Training for Doctors under the PGDHIVM Fellowship Programme, MAMC.
- Training for Doctors under the Geriatric Medicine Programme, MAMC.
- National Board Examinations.

Dr. K.D Barman organized:

- **Regional STI Reference, Research and Training Centre MAMC, Department of Dermatology** organized a CME Program for Post Graduate Medical Students on 18th March 2019.

Dr. Vineet Relhan organized:

- **GADCON 2019** at Hotel Clarks, Amer, Jaipur from 7-8th, September, 2019
- **ACSICON 2019** at The Leela, Gurugram from 18-20th April 2019

7. Publications during the period:

1. Gupta S, Relhan V, Garg VK, Sahoo B. Autologous noncultured melanocyte-keratinocyte transplantation in stable vitiligo: A randomized comparative study of recipient site preparation by two techniques. Indian J Dermatol Venereol Leprol. 2019 Jan-Feb;85(1):32-8.
2. Sarkar R, Garg VK, Jain A, Agarwal D, Wagle A, Flament F, Verschoore M.A randomized study to evaluate the efficacy and effectiveness of two sunscreen formulations on Indian skin types IV and V with pigmentation irregularities. Indian J Dermatol Venereol Leprol. 2019 Mar-Apr;85(2):160-8.
3. Sarkar R, Ghunawat S, Narang I, Verma S, Garg VK, Dua R. Role of broad-spectrum sunscreen alone in the improvement of melasma area severity index (MASI) and Melasma Quality of Life Index in melasma.J Cosmet Dermatol. 2019 Aug;18(4):1066-73.
4. Sarkar R, Jagadeesan S, Basavapura Madegowda S, Verma S, Hassan I, Bhat Y, Minni K, Jha A, Das A, Jain G, Arya L, Mandlewala Z, Bagadia J, Garg V. Clinical and epidemiologic features of melasma: a multicentric cross-sectional study from India. Int J Dermatol. 2019 Nov;58(11):1305-10.
5. Narayan V, Sarkar R, Barman KD, Prakash SK.Clinicoepidemiologic Profile and the Cutaneous and Nasal Colonization with Methicillin-Resistant Staphylococcus aureus in Children with Atopic Dermatitis from North India.Indian Dermatol Online J. 2019 Jul-Aug;10(4):406-12.
6. Sarkar R, Ghunawat S, Garg VK.Comparative Study of 35% Glycolic Acid, 20% Salicylic-10% Mandelic Acid, and Phytic Acid Combination Peels in the Treatment ofActive Acne and Postacne Pigmentation.J Cutan Aesthet Surg. 2019 Jul-Sep;12(3):158-163.
7. Relhan V, Sandhu J, Garg VK, Khurana N. Linear Lichen Nitidus with Onychodystrophy in a Child. Indian J Dermatol. 2019 Jan-Feb;64(1):62-4.
8. Bansal A, Relhan V, Garg VK, Saran RK. A cross□sectional study of the histopathology and immunology of alopecia areata: Unearthing the role of the Janus kinase–signal transducer and activator of transcription pathway. Indian J Dermatol Venereol Leprol 2019; 85:455□61.

8. Books/Chapters Contributed:

Dr. Rashmi Sarkar

- Sarkar R, Roberts WE (editors). Chemical peels: a global perspective. Jaypee Brothers Publications Limited; First Edition, 2019: New Delhi, India.
- Sarkar R, Sinha S(editors). The Sensitive Skin: Treatment and Cosmeceuticals. Jaypee Brothers Publications Limited; First Edition, 2019: New Delhi, India.
- Sarkar R, Sinha S(editors) World Clinics in Dermatology: Topical Antifungals. Jaypee Brothers Publications Limited; First Edition, 2019: New Delhi, India.

Dr. Vineet Relhan

- Contributed a chapter in the textbook of - Nail Disorders: A Comprehensive Approach. CRC Press; First Edition, 2019: New Delhi, India

9.Conferences/Workshops/Symposiums attended:

Dr. Bijaylaxmi Sahoo

- Invited as faculty to the Mid-Year Cuticon, Delhi State Branch 8th May 2019, New Delhi.
- Organizing and Scientific Chairperson and Panelist at ‘CME on ‘Cutaneous Tuberculosis- A Multidisciplinary Approach’ was organized in the department of Dermatology.
- Invited as faculty(guest speaker) at a National Conference on Contact Dermatitis 1st Sept 2019, held at AIIMS, New Delhi.
- Faculty and panelist at the Sexually Transmitted Diseases National Conference at AIIMS, New Delhi
- Faculty at the Annual Cuticon Delhi State Branch 24th Nov 2019, New Delhi
- Faculty at the First Academic Meeting of the Asian Society of Dermatopathology Conference from November 15-17, 2019.

Dr. Rashmi Sarkar

- Invited as faculty to chair and speak on 'Common Neonatal Dermatoses’ and Treatment of ‘Melasma and Post Inflammatory’ in Neonatal Dermatology Session and Skin of Color session in 24th World Congress of Dermatology at Milan from 11-15th June 2019.

- Invited to give a plenary talk on 'Photoprotection in the Dark Skin Patients ' in ASPCR/ Philippines Dermatology Society Conference from 5-7th November 2019 at Mandaluyong City, Philippines.
- Invited as faculty to give a talk on ' What's new in the Management of Melasma' at Emirates Dermatology Society Congress from 22-23rd Nov 2019.
- Delivered the Dr. B. M. Ambady oration on 'Melasma, a Challenging Journey' at DERMACON International 2019 in Bengaluru.
- Moderated a session on melasma at the 4th Pigmentarycon , Kolkata from 15-17th November 2019.
- Conducted and directed the Chemical Peels workshop at Aesthetics 2019 from 9-11th August at Indian Habitat Centre, Delhi
- Conducted and directed the Chemical Peels workshop at ACSICON 2019 at the Leela, Gurugram from 18-20th April 2019.
- Delivered the speech IADVL Delhi State Branch oration on Atopic Dermatitis in Children at Annual Cuticon Delhi at Shangri La, New Delhi on 24th Nov 2019.

Dr. K.D Barman

- Scientific Secretary of CME on 'Cutaneous Tuberculosis- A Mutidisciplinary Approach' was organized in the department of Dermatology
- Invited as faculty to the CME on Leprosy, organized by IADVL on 30th Jan, 2019 at India habitat Centre, New Delhi.
- Attended the NDPC 2019 organized by IAP North Delhi held at Crowne Plaza, Rohini, New Delhi.
- Attended the Mid-Year Cuticon, Delhi State Branch 8th May 2019, held in New Delhi
- Attended the World Conference of Dermatology 2019 held at Milan, Italy
- Attended the Conference on Contact Dermatitis on 1st Sept 2019 held at AIIMS, New Delhi.
- Attended the Annual Cuticon (Delhi State Branch) held on 24th Nov 2019 in New Delhi

Dr. Vineet Relhan

- Attended the Annual Cuticon (Delhi State Branch) held on 24th Nov 2019 in New Delhi
- Attended the Onychochon 2019 held at Mumbai, on 3rd and 4th November as faculty.

10.Visitors-N/A

11.Significant Events (Honors to Faculty)

Dr.Bijaylaxmi Sahoo

- Member of the National Academy at Medical Sciences
- Member of the Expert Committee- Tuberculosis

Dr Rashmi Sarkar

- Awarded the prestigious Dr. B. M. Ambady oration from IADVL at DERMACON International 2019 in Bengaluru.
- Awarded the Dr. Madhusudhan Das oration from Nalanda Medical College, Patna in 2019.
- Awarded the IADVL Delhi State Branch oration on Atopic Dermatitis in Children 2019 at Annual Cuticon Delhi.
- Awarded 'The Economics Times' 'Most Inspiring Dermatologist' at Doctor's Day Conclave in June 2019 at hotel Hyatt Regency, New Delhi.
- Became the Chair, International Mentorship Committee, International Society of Dermatology from 2019-21.
- Invited to be an International Editorial Board member of JAAD International.
- Chair, International Laison committee of IADVL for 2019.

Dr. Krishna Deb Barman

- Received the IADVL Milan scholarship award

Dr. Vineet Relhan

- Received the Dr. K.C. Kandhari Award at the Annual Cuticon IADVL Delhi State Branch 2019.
- Received an award as Organizing Secretary ACSICON.

12. Fellowship: N/A

13. Representation on expert Committee/Bodies

Dr.Bijaylaxmi Sahoo

- Expert for the Academic Committee at National Leprosy Conference
- Expert for the Dermatology Education Task Force, IADVL
- Expert Mentor at CODFI

- Expert for the Core Committee at RNTCP, MAMC
- Expert for PGDHIVM Fellowship
- Member of the Expert Committee- Tuberculosis
- Member of the National Academy at Medical Sciences
- Member of Library Expert Committee, MAMC.
- Invited as an Expert for Recruitment of Professor & Assistant Professor in AIIMS, Delhi
- Member of Selection committee of Senior Resident at LNH and MAMC
- Expert Member of Examination Centre NBE

14. Health Services to the Community: N/A

15. Lab Data:

	2018-2019	2019-2020
Microscopy		
Slit Skin Smear	1332	1410
Gram's Stain	3002	3307
Giemsa	1502	1760
Skin Scraping	7000	8700
Skin Biopsy	880	1052

16. New Facilities added-

- Patch Testing- A technique to detect the causative allergen in cases of Allergic Contact Dermatitis was started in the Contact Dermatitis Special Clinic and includes 3 series of allergens-
    - Indian Standard Series
    - Cosmetic Series
    - Footwear Series

17. Any other worth mentioning information

- Our 4 special clinics -**Connective Tissue Disease Clinic, Vesico-bullous Clinic, Contact Dermatitis clinic and Psoriasis clinic** which were started in November 2018 are functioning successfully with specialized diagnostic facilities, and management being offered to the patients and number of patients being catered to has now increased to more than 80-100 per clinic.
- Two PG seats in the department were recognized by MCI in 2019.
- Proposal for AR study for increment of 6 posts of Senior Residents submitted.
- Proposal for AR study for increment of 8 posts of Teaching Faculty submitted
- Dr. Anuva Bansal (Senior Resident) received the MGM Medical College Prize for the best paper presented at DERMACON INTERNATIONAL 2019 during the award papers session
- Dr. Pallavi Hegde received the Second prize in the Award Paper Category in The Annual Cuticon (DSB) in November, 2019.
- Dr. Monalisa and Dr. Pallavi won the second prize in the state level (Delhi) IADVL GSK National PG Quiz 2019-2020.

ENT

1. Name of the Head of the Department:**Dr. Ishwar Singh**

S.No	Name of the Faculty	Designation
1	Dr.Ishwar Singh	Director Professor & HOD
2	Dr.J.C.Passey	Director professor
3	Dr.H.C. Taneja	Director Professor
4	Dr. Ravi Meher	Professor
5	Dr. Vikas Malthora	Professor
6	Dr Shruti Dhingra	Assistant Professor
7	Dr Anjan Kumar Sahoo	Assistant Professor

2. Members who have left during the period: Dr. P. K. Rathore (Dir. Professor)

3. Additions to the Faculty during the period : Dr. H. C. Taneja (Dir. Professor)

Dr. Ishwar Singh

- President Delhi AOI
- Members of P.G. Board in MCI
- P.G. Examiner at AIIMS Delhi, AIIMS Rishikesh, National Board

1. Invited talk Endoscopic Ear Surgery at 14th Asia Oceania ORL HNS Congress 2019 and 71st AOICON, Hyderabad, 9 to 13 Jan 2019.
2. Faculty at DELHI AOICON 2019, 2nd and 3rd March at LHMC, New Delhi.
3. Faculty AIIMS Laryngology UPDATE, 10 to 12 March 2019.
4. Talk on Endoscopic anatomy of Nose in Cadaveric Basic FESS workshop at LHMC, 8th and 9th March 2019.
5. Delivered Lecture on Adverse effect of Noise on Hearing on International Noise Awareness Day held on 24 April 2019 at Maulana Azad Medical College, New Delhi.
6. Expert for indigenous cochlear implant by Department science and Technology , Govt of India.
7. Panellist on Facial Nerve disorder at Muzaffarnagar
8. Panelist on Endoscopic DCR at Shroff Hospital on 22 sep 2019
9. Rhinocon 2019. 30 Aug to 1st Sep, Chandigarh. Moderated a Panel
10. Moderatet in Radiology ENT meeting 10 Aug 2019, MAMC,
11. Invited talk at MIDPHONOCON 2019, 19 Oct 2019, at MAMC.
12. CME on FESS, HIMSR, 02 Nov 2019, Panel discussion on AFRS
13. Panelist in Pediatric ENT Problems at BL Kapoor Hospital
14. Chairing a session in International conference on Robotic Surgery
15. Lecture on Endoscopic middle ear anatomy and demonstrated a live surgical workshop on neck dissection - ENT update 2019, 5 to 7 Dec 2019.
16. Chaired scientic session at International conference on Oral Cancer and Reconstruction workshop trnslational Research in Head and Neck Cancer , University of Chicago. New Delhi.

Dr. J.C.Passey

1. UPSC expert/J&K Psc/Rohilkhand Medical University Bareilley (U.P), UPPSC, Himachal University
2. Chief coordinater and Examiner of NBE at MAMC in the month of June 2019 and December 2019
3. Faculty at DELHI AOICON 2019, 2nd and 3rd March at LHMC, New Delhi.
4. Moderater on Adverse effect of Noise on Hearing on International Noise Awareness Day held on 24 April 2019 at Maulana Azad Medical College, New Delhi.
5. Invited Faculty at Temporal bone dissection workshop and Ear surgery at Muzaffarnagar- 21 Sep 2019
6. Invited Faculty at Rhinocon 2019. 30 Aug to 1st Sep, Chandigarh.
7. Talks on Endoscopic Ear anatomy on Radiology ENT meeting 10 Aug 2019, MAMC
8. Chairing asession in MIDPHONOCON2019, 19 Oct 2019, at MAMC
9. Demonstrated a live surgical workshop onCortical mastoidectomy - ENT update 2019, 5 to 7 Dec 2019.

Dr H. C. Taneja

1. President elect AOI (Delhi Chapter)
2. Examiner AIIMS Rishikesh
3. Involed in NBE academic activity
4. Chaired Scientific session and delivered invited talks at International combined conference of Delta Society of ORL, Cairo, Egypt, January 2019
5. Faculty at DELHI AOICON 2019, 2nd and 3rd March at LHMC, New Delhi.
6. Chaired scientic session and delivered talk as invited faculty in 6th Eurasian Head and Neck Oncology Forum (EASHNO 2019) at Moscow, Russia. July 2019
7. Panellist on Adverse effect of Noise on Hearing on International Noise Awareness Day held on 24 April 2019 at Maulana Azad Medical College, New Delhi.
8. Charing a session on Radiology ENT meeting 10 Aug 2019, MAMC
9. Chairing a session in MIDPHONOCON 2019, 19 Oct 2019, at MAMC
10. CME on FESS, HIMSR, 02 Nov 2019, Panel discussion on AFRS
11. Delivered Lecture and chaired session on ENT update 2019, 5 to 7 Dec 2019.
12. National faculty and chaired scientic session at International conference on Oral Cancer and Reconstruction workshop trnslational Research in Head and Neck Cance, University of Chicago. New Delhi.

Dr Ravi Meher

1. Invited talk Endoscopic Ear Surgery at 14th Asia Oceania ORL HNS Congress 2019 and 71st AOICON, Hyderabad, 9 to 13 Jan 2019.
2. Faculty at DELHI AOICON 2019, 2nd and 3rd March at LHMC, New Delhi.
3. Faculty AIIMS Laryngology UPDATE, 10 to 12 March 2019.
4. Talk on Endoscopic anatomy of Nose in Cadaveric Basic FESS workshop at LHMC, 8th and 9th March 2019.
5. Delivered Lecture on Adverse effect of Noise on Hearing on International Noise Awareness Day held on 24 April 2019 at Maulana Azad Medical College, New Delhi.
6. Delivered Indian Otology Journal Silver Jubilee Oration. Temporal bone dissection workshop and Ear surgery at Muzaffarnagar- 21 Sep 2019Endonasal DCR, CME on 22 sep 2019
7. Panelist on Endoscopic DCR at Shroff Hospital on 22 sep 2019
8. Invited talk on Endonasal DCR - EXCELLENT- Workshop on FESS, beyond FESS and skull base surgery concept. CME, Le Meridian, 22 Sep 2019
9. Demonstrated surgical video on Parotidectomy Surgery Update 2019, 25 Sep.
10. Rhinocon 2019. 30 Aug to 1st Sep, Chandigarh. Moderated a Panel discussion on Invasive Aspergillosis and Invited talk on DCR
11. Talk on X rays in ENT -Radiology ENT meeting 10 Aug 2019, MAMC,
12. Invited talk on Physiology of Phonation -MIDPHONOCON 2019, 19 Oct 2019, at MAMC.
13. CME on FESS, HIMSR, 02 Nov 2019, Panel discussion on AFRS
14. Endoscopic ENT workshop and Morbidity mitigation in Head and Neck cancer. 15 to 17 Nov 2019 Jallundhar.
15. Lecture on Endoscopic middle ear anatomy and demonstrated a live surgical workshop on Endoscopic Exploratory tympanotomy- ENT update 2019, 5 to 7 Dec 2019.
    - Secretary Delhi AOI 2019-20
    - Organized DELHI AOICON 2019, 2nd and 3rd March at LHMC
    - DNB examiner for formative assessment at Jaipur Golden Hospital and St Stephens Hospital, Feb and March 20

Publications

1. Juneja R, Meher R, Raj A, Rathore P, Wadhwa V, Arora N.Endoscopic assisted powered adenoidectomy versus conventional adenoidectomy - a randomised controlled trial. J Laryngol Otol. 2019 Apr;133(4):289-293.
2. Tandon S, Meher R, Chopra A, Raj A, Wadhwa V, Mahajan N, Jain A.Tongue Base Schwannoma. Indian J Otolaryngol Head Neck Surg. 2019 Oct;71(Suppl 1):70-73.
3. Meher R, Jain A, Singh I, Singh N, Sharma R. Paediatric nasal dermoids: Our experience. Acta Otorrinolaringol Esp. 2019 Apr 24. pii: S0001-6519(19)30032-9.
4. Juneja R, Arora N, Meher R, Mittal P, Passey JC, Saxena A, Bhargava EK. Laryngocele: A Rare Case Report and Review of Literature.Indian J Otolaryngol Head Neck Surg. 2019 Oct;71(Suppl 1):147-151.
5. Chitguppi C, Raj A, Meher R, Rathore PK. Is the Voice of Professional Voice Users With no Vocal Cord Lesions Similar to that of Non Professional Voice Users? J Voice. 2019 Jan;33(1):66-72.
6. Agarwal R, Singh M, Sharma S, Jaiswal A, Jain SL, Khurana N, Meher R. Utility of fine needle aspiration

cytology to diagnose intraoral tuberculosis and other oral granulomatous lesions.Diagn Cytopathol. 2019 Mar;47(3):156-159.

7. Sharma R, Meher R, Passey JC, Kumar J, Gupta A, Kharbanda S. Comparative evaluation of round window niche accessibility pre-operatively on high-resolution computed tomography of the temporal bone with intra-operative findings. J Laryngol Otol. 2019 Jul;133(7):575-579.
8. Jain A, Goyal K, Meher R, Passey JC. Internal Carotid Artery Bleed: A Rare Complication of Invasive Sphenoidal Aspergillosis. World Neurosurg. 2019 Sep;129:292-294.
9. Rana K, Bhargava EK, Batra V, Arora N, Meher R. Tuberculous Bronchoesophageal Fistula in Nephrotic Syndrome: A Silent Assassin. Indian J Otolaryngol Head Neck Surg. 2019 Oct;71(Suppl 1):104-106.
10. Singh M, Sagar N, Yadav S, Aggarwal R, Mandal S, Khurana N, Jain S, Meher R. Utility of Fine Needle Aspiration in Diagnosis of Intraoral Minor Salivary Gland Tumors. J Cytol. 2020 Jan-Mar;37(1):53-57.

Dr Vikas Malhotra

1 Health Information Management System Selection Committee Government of NCT of Delhi October 2018 to present
2 Health Information Management System Core Committee Government of NCT of Delhi August 2019 to present
3 Officer In-charge Information Technology Lok Nayak Hospital, Government of NCT of Delhi March 2017 to present
4 Chairman – IT Revamp Committee Maulana Azad Medical College, Delhi December 2018 to present
5 Officer In-charge ENT Operation Theater Complex Lok Nayak Hospital, Government of NCT of Delhi Till 15.01.2020
6 Faculty, Communication Skills Training Programme for Doctors Maulana Azad Medical College, Delhi 2018, 2019
7 In-charge Foundation Course in IT for MBBS Maulana Azad Medical College, Delhi 2019 Faculty,
8 PG Surgical Skills Workshop Maulana Azad Medical College, Delhi 2018, 2019
9 Courses Committee in ENT Faculty of Medical Sciences, University of Delhi Planning and overseeing the conduct of the MBBS and MS(ENT) examinations of the Medical Colleges affiliated to the Delhi University
10 Geriatric Care Working Group member FICCI (Federation of Indian Chambers of Commerce & Industry) Development of actionable recommendations to improve the overall wellbeing of the ageing population
11 Safe Listening Working Group member FICCI (Federation of Indian Chambers of Commerce & Industry) Development of guidelines to educate the population, especially the younger age-groups, of the risks of exposure to recreational noise
12 Patient Safety Working Group member FICCI (Federation of Indian Chambers of Commerce & Industry) Development of policies for the healthcare industry to enhance patient - safety in the healthcare environment
13 Member - Trauma Audit Filter Trial member Project of TITCO-India (Towards improving trauma care outcomes) Developing and refining institutional policies to improve the survival rates of major trauma victims that are able to reach the hospitals and assessing their impact
14 Member Surgical Safety Checklist group member Lok Nayak Hospital, Delhi The group has developed a detailed SurgicalSafety Checklist aimed at reducing surgical errors. It is currently in the initial phases of deployment at the Lok NayakHospital Officer

EXAMINER FOR:

1 University of Delhi
2 National Board of Examinations, Delhi 7
3 King George Medical University, Lucknow
4 Guru Gobind Singh Indraprastha University, Delhi
5 Baba Farid University, Faridkot, Punjab

RESEARCH

1 AS SUPERVISOR
2 Randomised Control Trial for Comparison of Clinical Efficacy of Boric Acid Eardrops Vs Ciprofloxacin Eardrops in Active Mucosal Chronic Otitis Media (Maulana Azad Medical College, Delhi) (2019)
3 Comparison of Efficacy of Pantoprazole with or without Domperidone in the Management of Reflux Disease (Maulana Azad Medical College, Delhi) (2018)
4 AS COSUPERVISOR
5 Prevalence of Sensorineural Hearing Loss in Unilateral Mucosal Type of Chronic Otitis Media (Maulana Azad

Medical College, Delhi) (2019)

6 Computed Tomography Virtual Laryngoscopy in the Evaluation of Laryngeal and Hypopharyngeal Cancers (Maulana Azad Medical College, Delhi) (2019)
7 Computed Tomographic Evaluation of Neck Masses in Paediatric Population (Maulana Azad Medical College, Delhi) (2019)
8 Predictive Value of Middle Ear Risk Index Score in the Outcome of Tympanomastoidectomy and Tympanoplasty (Maulana Azad Medical College, Delhi) (2018)
9 3 Tesla Magnetic Resonance Imaging in the Evaluation of Laryngeal Lesions (Maulana Azad Medical College, Delhi) (2018)

CONFERENCES& WORKSHOPS: as faculty

1 Delhi AOI Annual Conference 2019
2 ISOCON Kolkata 2019
3 Annual PG Update MAMC 2019
4 Mid-Phonocon MAMC 2019

Dr Shruti Dhingra

1. Books/Chapters : Co-Author of A textbook of Diseases of Ear Nose and Throat (for undergraduates) 25th Edition published 2018.
2. Panellist on Adverse effect of Noise on Hearing on International Noise Awareness Day held on 24 April 2019 at Maulana Azad Medical College, New Delhi.
3. Charing a session on Radiology ENT meeting 10 Aug 2019, MAMC
4. Organising secretary MIDPHONOCON 2019, 19 Oct 2019, at MAMC
    1. Delivered Lecture , chaired session and demonstrated a live surgical workshop on ENT update 2019, 5 to 7 Dec 2019.
    2. Chairperson in International conference on Oral Cancer and Reconstruction workshop trnslational Research in Head and Neck Cance , University of Chicago. New Delhi.

Dr Anjan Kumar Sahoo

1. Organising Secretary on Adverse effect of Noise on Hearing on International Noise Awareness Day held on 24 April 2019 at Maulana Azad Medical College, New Delhi.
2. Co Organising Secretary Radiology ENT meeting 10 Aug 2019, MAMC
3. Resource Person in MIDPHONOCON 2019, 19 Oct 2019, at MAMC
4. Attend ISOCON 2019 at Kolkata
5. Attend scientific session International conference on Robotic Surgery at Gurgaon
6. Organising Secratery , Delivered Lecture , chaired session and demonstrated a live surgical workshop on ENT update 2019, 5 to 7 Dec 2019.
7. Chairperson in International conference on Oral Cancer and Reconstruction workshop trnslational Research in Head and Neck Cance, University of Chicago. New Delhi.

FORENSIC MEDICINE

Name of the Head of Department: Director Professor Anil Kumar Mittal

1. Faculty:

S.No.	Name of Faculty	Designation
1.	Dr. S. K. Khanna	Professor of Excellence
2.	Dr. Anil Aggrawal	Director Professor
3.	Dr. Anil Kumar Mittal	Director Professor& Head
4.	Dr. Upender Kishore	Professor
5. .	Dr. Sreenivas M.	Professor
6.	Dr. Aman Deep Kaur	Associate Professor
7. .	Dr. Monisha Pradhan	Associate Professor
8.	Dr. Dhiraj Buchade	Associate Professor

2. Members who have left during the period: None

3. Addition to the faculty during this period: Dr. Upender Kishore

4. Research Scheme

(a) *on going project*

1. Radiological Study of Appearance and Fusion of Ossification centers Around the Elbow and Wrist joint in the Age Group of 11 to 19 years. Dr. Sunita Das. Supervisor: Dr. Anil Kumar Mittal, Co supervisor: Dr Gaurav Pradhan and Dr Dhiraj Buchade.
2. Age Related Changes in the Medial End of Clavicle Using Multidetector CT Scan with 3 D Reconstruction. Dr. Akash Chaudadhary. Supervisor : Dr. Anil Aggrawal, Co Supervisor: Dr. Satbir Singh and Dr. Monisha Pradhan.
3. Histopathoplogical Changes of Shock in Various Organs at Autopsy. Dr. Alok Kumar Maurya. Supervisor: Dr. S. K Khanna. Co Supervisor: Dr. Nita Khurana and Dr Amandeep Kaur.
4. Radiographic Evaluation of Development of 2nd and 3rd Molar teeth Using Demirjian Staging for Age Estimation. Dtr Vikas Arora. Supervisor: Dr. Sreenivas M. Co-Supervisor: Dr. Mahesh Verma and Dr. Amandeep Kaur.
5. Immunohistochemistry and Histopathological Study of Wound Vitality in Ligature Neck Compression.Dr. Rupesh Chandra. Supervisor: Dr. S K Khanna. Co-supervisor: Dr. Monisha Pradhan, Dr. Shramana Mandal.
6. Estimation of Age in the Living by Using Kvaal's Dental Method-A radiological Study. Dr. Sarita Sharma. Superviosr: Dr. Anil Aggrawal, Co-Supervisor: Dr. Sigrid I. Kvaal, Dr. Dhiraj D Buchade.

(b) *details of the thesis completed during the period:*

1. Research Project titled 'Evaluation of Diagnostic Significance of Postmortem Serum Tryptase and IgE levels for Anaphylactic deaths and its Correlation with Routine Parameters:An Autopsy Based Pilot Study". Principal Investigator: Dr. Monisha Pradhan, Co-Investigators: Dr B C Koner and Dr. S K Khanna was completed and submitted in 2019.

5. **Trainees from other agencies:**

1. Training of Postgraduate students from the Department of Pathology, Maulana Azad Medical College, New Delhi from 18th November to 7th December, 2019.

6. **Training course/conference/workshops organized:**

a. "Medicolegal Training Program for Medical Officers and Resident Doctors" was organized in the Dept. of Forensic Medicine on 15.05.2019.

b. 17th National Conference of Indian Association of Forensic Odontology, MAIDS, 21st-22nd September 2019 was organized by MAIDS in association with the Dept. of Forensic Medicine.

7. **Publications during the period**

1. Dr. Anil Kumar Mittal, Dr Mohit Gupta. Determination of stature from female sternum in central Delhi population. Journal of IAFM Jul- Sept 2019.
2. Dr. Amandeep Kaur, Dr. Monisha Pradhan. Pattern of Suicidal Burn Deaths Brought To The Mortuary of Lok Nayak Hospital, New Delhi-a Five Year Study. J Punjab Acad Forensic Med Toxicol 2019;19(2).
3. Dr. Amandeep Kaur, Dr. Monisha Pradhan. Fatal Intentional Poisoning: A Five Year Retrospective Study of Autopsied Cases from Central Delhi. J Punjab Acad Forensic Med Toxicol 2019;19(2)
4. Dr. Monisha Pradhan, Dr. Amandeep Kaur. A 5 Year Study of Deaths Following Administration of Medically

Prescribed Drugs: Diagnostic Dilemma and Challenges at Autopsy. Indian Internet Journal of Forensic Medicine & Toxicology 2019; (l) 17: 1-7.

5. Buchade DD, Bharti R, A Arthy, Mittal AK, Khanna SK. Analysis of Hanging Cases Brought to Mortuary of Lok Nayak Hospital, New Delhi: A 3-Year Retrospective Study. MAMC J Med Sci 2019; 5: 69-72.
6. Buchade DD, Bharti R, A Arthy. Analysis of Homicidal Cases Brought to Mortuary of Lok Nayak Hospital, Delhi: A 3-Year Retrospective study. MAMC J Med Sci 2019; 5: 73-6.

9. Conferences/Workshops/Symposiums attended

1. "Forensic Medicon-2019", 40th Annual Conference of Indian Academy of Forensic Medicine at Jodhpur, Rajasthan held on 31st Jan 2019 to 2nd Feb. 2019 was attended by Dr. Anil Kumar Mittal, Dr. Dhiraj Buchade, Dr. Rohit Bharti (SR), Dr. Alok Kumar Maurya (JR), Dr. Akash Chaudhary (JR).
2. International Conference of National Association of Medical Examiners 2019 Annual Meeting October 18-22, 2019 in Kansas City, Missouri, USA was attended by Dr. Monisha Pradhan.
3. "International Summit on Humanitarian Forensics" organized by the International Centre for Humanitarian Forensics (ICHF), from 5-7 September 2019 held at Gujarat Forensic Sciences University (GFSU), , Gandhinagar, Gujarat was attended by Dr. Anil Kumar Mittal.
4. 13th Annual National Conference of Indian Society of Toxicology, TOXOCON-13, Amrita Institute of Medical Sciences, Cochin, Kerala 20-22 Dec, 2019 was attended by Dr. Aman Deep Kaur and Dr. Monisha Pradhan.
5. Forensic Update III Hands on Workshop on DNA Sampling and Evidence in Forensic Medicine, AIIMS Bhopal, 23rd to 24th February 2019 was attended by Dr. Aman Deep Kaur, Dr. Abhishek Thakur (JR), Dr. Alok Kumar Maurya (JR), Dr. Vikas Arora (JR).
6. 17th Annual Conference of the Punjab Academy of Forensic Medicine & Toxicology on 12th Oct 2019 was attended by Dr. S K Khanna, Dr. Upender Kishore, Dr. Sreenivas M, Dr. Rohit Bharti (SR), Dr. Vikas (JR), Dr. Akash (JR).
7. Symposium organized by AIIMS Delhi on "Role of Forensic DNA Technology in Expediting Justice and Fighting Crime", held at India International Centre on 17th of July, 2019 was attended by Dr. Upender Kishore, Dr. Sreenivas M, Dr. Aman Deep Kaur, Dr. Monisha Pradhan, Dr. Dhiraj Buchade, Dr. Sunita Das, Dr Akash Chaudhary, Dr. Rupesh Chandra, Dr. Sarita Sharma (JR).
8. "Workshop on Prevention of Sexual Harassment of Women at Work Place" held on 29/07/2019 to 31/07/2019 at Institute of Secretariat Training and Management. Ministry of Personnel, Public Grievances & Pensions, DoPT Govt of India was attended by Dr. Dhiraj Buchade.
9. Forensic DNACON-2019 & Clinical Forensic Medicine Update 29th to 31st August 2019, SRMS IMS, Barielly was attended by Dr. Sunita Das (JR), Dr. Akash Chaudhary (JR).
10. Dr. Monisha Pradhan presented a paper titled "Faith or Delusion: Death Investigation of a Bizarre Mass Hanging-A Case Report and Review of Literature" at the National Association of Medical Examiners 2019 Annual Meeting October 18-22, 2019 in Kansas City, Missouri, USA.
11. Dr. Monisha Pradhan presented a poster titled "Postmortem Serum Levels of Beta Tryptase and Total IgE in Non Anaphylactic Deaths" at the National Association of Medical Examiners 2019 Annual Meeting October 18-22, 2019 in Kansas City, Missouri, USA.
12. "Pravara Forensicon-2019"-XXII Annual State Conference of Medicolegal Association of Maharashtra (MLAM) held on at Rural Medical College Loni Maharashtra, from 12/10/2019 to 13/10/2019 was attended by Dr. Dhiraj Buchade.
13. Delivered a guest lecture on topic "Medical Certification of Cause of Death Certificate (MCCD)" in "CME on Legal Aspects of Medical Practice" held on 11/10/2019 at Dr Vithalrao Vikhe Patil Foundation's Medical College & Hospital, Ahmednagar Maharashtra.
14. Dr. Jitender Kumar, Senior Resident, presented a paper titled"Violence against doctors: ethical and legal remedy last hope" at conference organized by Legal Desire at Delhi in the month of Feb 2019.
15. 17th National Conference of Indian Association of Forensic Odontology, MAIDS, 21st-22nd September 2019 was attended by Dr. Jitender.
16. Dr. Jitender Kumar, Senior Resident attended a workshop on topic "Age Estimation Project" by Dr. Camerier.
17. Dr. Sunita Das presented a paper titled Improvised Firearms and Ammunitions-an Emerging Challenge for Autopsy Surgeons" at Forensic DNACON-2019 & Clinical Forensic Medicine Update 29th to 31st August 2019, SRMS IMS, Barielly.
18. Dr. Akash Chaudhary presented a paper titled "Identifying Macro and Micro Pathology- To Establish Fat Embolism Syndrome" at the 40th Annual Conference of Indian Academy of Forensic Medicine at Jodhpur, Rajasthan held on 31st Jan 2019 to 2nd Feb. 2019

19. Dr. Akash Chaudhary presented a paper titled "Haemoperitoneum In Organophosporus Poisoning- A Forensic Query" at Forensic DNACON-2019 & Clinical Forensic Medicine Update 29th to 31st August 2019, SRMS IMS, Barielly.
20. Dr. Alok Kumar Maurya presented a paper titled "Diagnosis of Myocardial Infarction in Decomposed Bodies" at ", 40th Annual Conference of Indian Academy of Forensic Medicine at Jodhpur, Rajasthan held on 31st Jan 2019 to 2nd Feb. 2019.
21. Dr. Vikas Arora (JR) presented a paper titled "Case Presentation-Unusual Foreign Body in Stomach" at the 17th Annual Conference of the Punjab Academy of Forensic Medicine & Toxicology on 12th Oct 2019.
22. Dr. Rupesh Chandra presented a poster titled "Practical Approach In Road Traffic Accident Cases" at the 17th Annual Conference of the Punjab Academy of Forensic Medicine & Toxicology on 12th Oct 2019.

10. Significant Events (Honors to Faculty):

1. Dr. S K Khanna, Dr. Sreenivas M, Dr. Upender Kishore chaired scientific sessions at the 17th Annual Conference of the Punjab Academy of Forensic Medicine & Toxicology on 12th Oct 2019
2. Dr. Monisha Pradhan was awarded travel grant by UGC for attending International Conference "National Association of Medical Examiners 2019" helf on October 18-22, 2019 in Kansas City, Missouri, USA
3. Dr Anil Kumar Mittal chaired a scientific session in "Forensic Medicon-2019", 40th Annual Conference of Indian Academy of Forensic Medicine at Jodhpur, Rajasthan, 31st Jan 2019 to 2nd Feb. 2019.
4. Dr. Amandeep Kaur and Dr. Monisha Pradhan chaired scientific sessions on General Toxicology in the 13th Annual National Conference of The Indian Society of Toxicology, Cochin, Kerala, held from 20th -21st December 2019.
5. Dr. Dhiraj D Buchade delivered a guest lecture on topic "Medical Certification of Cause of Death Certificate (MCCD)" in "CME on Legal Aspects of Medical Practice" held on 11/10/2019 at Dr Vithalrao Vikhe Patil Foundation's Medical College & Hospital, Ahmednagar Maharashtra.

12. Representation on expert Committee/Bodies

1. Dr S K Khanna is the First Appellate Authority of Maulana Azad Medical College under RTI Act 2005.
2. Dr Anil Kumar Mittal was appointed as external expert member in the selection committee for selection for the post of Assistant Professor (Forensic Medicine) in teaching sub-cadre on contract basis at VMMC& SJH on 28th March 2019.
3. Dr Anil Kumar Mittal was appointed as Internal examiner for MD (Forensic Medicine) examination , Delhi University held at UCMS on 22-23 Apr 2019.
4. Dr Anil Kumar Mittal was appointed as external examiner for MD (Forensic Medicine) examination held at PGI ,Chandigarh on 1-2 May 2019.
5. Dr. Anil Kumar Mittal was appointed as external examiner for 2nd MBBS examination (Forensic Medicine) held at Govt. Medical College & Hospital , Chandigarh on 9 to 11 Dec. 2019.
6. Dr. Anil Aggrawal and Dr. Anil Kumar Mittal have been regularly appointed as an advisory to the NHRC to give opinion.
7. Dr. Anil Kumar Mittal continues to be a Council Member of Delhi Medical Council.
8. Dr. Sreenivas M continues as Warden of OBH; Dr. Aman Deep Kaur continues as Assistant Warden of NGH; Dr. Dhiraj continues as Warden of LNRDH, PG Mens Hostel and ORDH; Dr. Monisha Pradhan continues as Warden of PG Womens Hostel.

13. Lab Data:

Name of Lab	Mortuary	Clinical Forensic Medicine	Histopathology Lab
Name and number of tests performed	Postmortem examination: 1011	MLC (Referrals): 58 cases	595 Blocks 860 slides
Percentage of growth from last year	0%	0%	0 %

MEDICAL EDUCATION

Name of the Department : Department of Medical Education

1. Faculty

1.	Dr. Sushil Kumar		Director, Department of Medical Education and Dean, MAMC.
2.	Dr. Devender Kumar		Professor of Obstetrics & Gynaecology, and H.O.D.-Deptt of Medical Education
3.	Honorary Faculty Members :		
	a.	Dr Neelam Vasudeva	Director-Professor of Anatomy
	b.	Dr M K Daga	Director-Professor of Medicine
	c.	Dr Nita Khurana	Director-Professor & Head of Pathology
	d.	Dr Aarti Sood Mahajan	Director-Professor of Physiology
	e.	Dr Bidhan Chandra Koner	Director-Professor of Biochemistry
	f.	Dr Poonam Loomba	Director-Professor of Microbiology, GIPMER
	g.	Dr Devendra Mishra	Professor of Paediatrics
	h.	Dr Sreenivas M.	Professor of Forensic Medicine
	i.	Dr Kirti Singh	Director-Professor of Ophthalmology, GNEC
	j.	Dr Ravi Meher	Professor of ENT
	k.	Dr Dinesh Kumar	Professor of Anatomy
	l.	Dr. Bineeta Goswami	Professor of Biochemistry
	m.	Dr Aashima Dabas	Assistant Professor of Paediatrics
	n.	Dr Harpreet Singh	Assistant Professor of Medicine
	o.	Dr Rahul Jain	Assistant Professor of Paediatrics
	p.	Dr. Praveen Bharti	Assistant Professor of Medicine

2. Members who have left during the period :

SN	Name of Faculty	Designation	Reason for leaving the job
1.	Dr. Sanjay Tyagi	Director-Deptt of Medical Education and Dean, MAMC	Promoted as DGHS Govt of India

3. Additions to the faculty :

S.N.	Name of Faculty	Designation	Whether newly joined / promotion
1.	Dr Sushil Kumar	Director- Department of Medical Education and Dean, MAMC	Joined w.e.f. 18.10.19 on promotion
2.	Dr Aashima Dabas	Assistant Professor of Paediatrics	Enrolled as faculty member of the Deptt of Medical Education w.e.f. 11-2-19
3.	Dr Harpreet Singh	Assistant Professor of Medicine	-do-
4.	Dr Rahul Jain	Assistant Professor of Paediatrics	-do-
5.	Dr. Praveen Bharti	Assistant Professor of Medicine	-do-

4. Training courses organized :

A. Three Mini-workshops (51st, 52nd and 53rd) in"Medical Education Technologies" for Senior Residents of MAMC and other govt. Hospitals of Delhi, were conducted from **13 - 15 March, 2019, 16-18 October, 2019** and **30 October to 01 November, 2019**, respectively.

B. P.G. Orientation Training Programme for 1st Year Post Graduate students (Batch-2019) was organized by the department on **12.07.2019**.

P.G. Research Methods Course / Workshop for 1st Year Post Graduate students (Batch-2019) was organized by the department on **06 July, 2019**.

The Medical Council of India has identified the Department of Medical Education, Maulana Azad Medical College as a Regional Centre for conducting Faculty Development Programme / Revised Basic Course Workshops in Medical Education Technologies and 30 Medical Colleges has been allocated to this Regional centre. In this connection, following MCI Basic Course for Medical Teachers of various Medical Colleges of Delhi, UP and Haryana were organized.

MCI Workshops conducted by the MCI Regional Centre, Department of Medical Education, Maulana Azad Medical College, during, 2019:

Four revised Basic Course Workshops for the faculty members of various Medical Colleges attached to this department were conducted from **13 - 15 February, 2019**, **27, 29 & 30 July, 2019, 27-29 August, 2019** and **03-05 December, 2019**.

Four AETCOM sensitization workshops for the faculty members of various Medical Colleges attached to this department were conducted on **16-February, 2019**, **31-July- 2019,30-August-2019 and 06-December-2019**.

The revised Competency based Undergraduate curriculum has been implemented w.e.f., August, 2019, by MCI and this department has been assigned the responsibility to train faculty of 30 constituent Medical Colleges (including MAMC), in implementation strategy of the new curriculum. Therefore, Department of Medical Education, MAMC, has conducted following Curriculum Implementation and Support Program (CISP) workshops for Faculty members of 30 constituent Medical Colleges of India (including MAMC), on behalf of MCI at MAMC.

Five CISP workshops for faculty / Curriculum Committee members of constituent medical colleges were conducted from **05-07 March, 2019, 18-20 March, 2019, 27-29 March, 2019, 03-05 April, 2019, 23-25 April, 2019**
One CISP/CDI workshop was conducted exclusively for in-house faculty of MAMC and associated hospitals **from 25-27 September, 2019**
A Training session for Junior Faculty and Senior Residents involved in implementation of AETCOM for MBBS Batch-2019, of the departments of Anatomy, Physiology & Biochemistry, was organized **on 02-12-2019**.

MCI Curriculum Implementation Support Programme (CISP) workshops conducted at constituent medical colleges under observership / supervision of MCI Regional Centre, MAMC during the year, 2019 :

S.N	Name of Medical College	Duration of workshop	Observer deputed from the Deptt. To supervise the conduct of workshop
1.	Pt B D Sharma, PGIMS, Rohtak,	25-27 April, 2019	Dr Sreenivas
2.	Dr. Baba Saheb Ambedkar Medical College, Rohini, Sector-6, Delhi,	29.04.19 to 01.05.19	Dr Dinesh Kumar
3.	Hamdard Institute of Medical Sciences and Research, Jamia Hamdard, New Delhi,	01-03 May, 2019	Dr D Mishra
4.	Bhagat Phool Singh Government Medical College for Women, Sonepat,	01-03 May, 2019	Dr Devender Kumar
5.	Army College of Medical Sciences, Delhi Cantt, Delhi.	01-03 May, 2019	Dr Poonam Loomba
6.	Lady Hardinge Medical College, Shaheed Bhagat Singh Marg,New Delhi 110001	29-April-01 May, 2019	Dr Sreenivas

7	SGT Medical College, Gurgaon,	14-16 May, 2019	Dr D Mishra
8.	Adesh Medical College, Ambala, Cantt,	14-16 May, 2019	Dr Binita
9	Kalpana Chawla Govt Medical College, Karnal,	09-11 May, 2019	Dr Poonam
10	Subharti Medical College, Meerut	08-10 May, 2019	Dr Sreenivas
11.	M.M.Institute of Medical Sciences & Research, Mullana, Ambala	27-29 May, 2019	Dr Himanshu Madaan
12	Rama Medical College, Hapur,	28-30 May, 2019	Dr Dinesh
13	ESIC Medical College, Faridabad	07-09 June, 2019	Dr Sumita Sethi
14	LLRM Medical College, Meerut	26-28 June, 2019	Dr Sreenivas
15	Saraswati Institute of Medical Sciences, Hapur	04-06 July	Dr Sreenivas
16	VMMC & Safdarjang Hospital, New Delhi	10-12 June, 2019	Dr. Musharraf Husain
17	SHKM Govt Medical College, Nalhar, Nuh, Haryana	25-27 July, 2019	Dr. Musharraf Husain
18	K D Medical College, Mathura	29-31 July, 2019	Dr Sreenivas
19	UCMS & GTB Hospital,	29-31 July, 2019	Dr Sumita Sethi
20	S N Medical College, Agra	31 July-02 Aug, 2019	Dr Binita
21	G S Medical College, Hapur	07-09 August, 2019	Dr Sreenivas
22	Santosh Medical College, Ghaziabad	05-07 Sept, 2019	Dr Sreenivas
23	Mahajara Agrasen Medical College, Agroha-125047 (Hisar)	01-03 Sept, 2019	Dr Sreenivas
24	School of Medical Sciences & Research and Sharda Hospital, Greater Noida	14-16 November, 2019	Dr Poonam Loomba

MCI Revised Basic Course Workshops conducted at constituent medical colleges under observership / supervision of MCI Regional Centre, MAMC during the year 2019 :

S.N	Name of Medical College	Duration of workshop	Observer deputed from the Deptt. To supervise the conduct of workshop
• 1	Baba Saheb Ambedkar Medical College & Hospital, Rohini	10-12 June, 2019	Dr Niket Verma
•	K D Medical College, Mathura	18-21 July, 2019	Dr Sreenivas
•	SN Medical College, Agra	08-11 July, 2019	Dr Devender Kumar
•	University College of Medical Sciences & GTB Hospital, Delhi	17-20 July, 2019	Dr Sumita Sethi
•	VMMC & Safdarjang Hospital, New Delhi	17-20 July, 2019	Dr Niket Verma
•	G S Medical College, Pilkhuwa Hapur	22-25 July, 2019	Dr Sreenivas
•	Santosh Medical College, Ghaziabad	23-26 July, 2019	Dr Poonam
•	Mahajara Agrasen Medical College, Agroha-125047 (Hisar)	11-14 August, 2019	Dr Sreenivas
•	Pt B D Sharma, PGIMS, Rohtak,	23-26 Sep, 2019	Dr Sreenivas
•	Bhagat Phool Singh Government Medical College for Women, Sonepat,	09-12 October, 2019	Dr Himanshu Madan
•	Adesh Medical College, Mohri Shahabad (Haryana)	09-12 October, 2019	Dr Musharraf
•	Hamdard Institute of Medical Sciences and Research, Jamia Hamdard, New Delhi,	14-17, October, 2019	Dr Niket Verma
•	Kalpana Chawla Govt Medical College, Karnal,	13-16 November, 2019	Dr Devender Kumar
•	North DMC Medical College & Hindu Rao Hospital	18-21 November, 2019	Dr Poonam

6. Other relevant academic information :

Computer & A-V Section :
Teaching-Learning Resource Materials have been prepared for the workshops, organized by the Deptt as mentioned in the column No.5
The Conference room with LCD projection and A-V facilities has been provided to the following departments for conducting their workshops in addition to the workshops organized by the Deptt as mentioned in the column No.5
Pathology Deptt (Dr Reena Tomar) - for organizing VIHASA workshop on **30-March-2019**
Delhi Society for Promotion of Rational Use of Drugs (DSPRUD) - for conducting Certificate Course in Infection Prevention and Control in Health Care Settings ; Essentials for Infection Control Nurses from **08 to 12, July, 2019**.
Community Medicine Deptt - for conducting WHO workshop on "Health promotion for hearing care in Schools for South East Asian Region" from **08-09 November, 2019**
Paediatrics Deptt (Dr D Mishra) - for conducting their 01 day Paper Writing Workshop on **14 Nov, 2019.**
Gynnae Deptt (Dr Madhavi) - for conducting their 01 day Quality Improvement in Obs & Gynae Workshop (in colloboration of WHO Centre, AIIMS)on **16 Nov, 2019.**
Paediatrics Deptt (Dr Mukta Mantan) - for conducting their 01 day Annual Meeting of the Pediatric Research and Education Society of India on **22 Nov, 2019.**
Dr Amod Borle, Assistant Professor Community Medicine Deptt - for conducting a hands-on training workshop on "Literature Search using PUBMED and reference management using Mendley CItation manager "on **9 and 10 December, 2019**.

MEDICINE

Name of the Head of Deptt.:**Dr. R.S. Ahlawat Director Professor & Head**

- **Faculty:**

Sl No.	Name of Faculty	Designation
1	Dr.R.S.Ahlawat	Director Professor& Head
2	Dr.D.P.Bhadoria	Director Professor
3	Dr.M.K.Daga	Director Professor
4	Dr.Suresh Kumar	Director Professor
5	Dr.S.Anuradha	Director Professor
6	Dr.Sandeep Garg	Professor
7	Dr. Sunita Agarwal	Professor
8	Dr.Naresh Kumar	Professor
9	Dr.Sanjay Pandit	Professor
10	Dr. Sumit Singla	Associate Professor
11	Dr. Pradip Kumar	Assistant Professor
12	Dr. Harpreet Singh	Assistant Professor
13	Dr. Praveen Bharti	Assistant Professor

- **Member who have left during the period :** Dr. Naresh Gupta

4.Research Scheme:

(a) Ongoing Project

Dr. M.K. Daga

(a) Ongoing Project

- Atmospheric Pollutants & Risk Assessment due to Exposure on Public Health in Delhi,NCR/Studies on Impact of BSVI and Ethanol Blending on Human Health Index. collaboration with Indian Oil and National Council Of Applied Economic Research. (December 2018)
- Cohort Study (5 Years)"HEALTH IMPACT OF FIRECRACKERS BURSTING DURING DIWALI IN NATIONAL CAPITAL OF DELHI" (2019 TO 2023)
- Cohort Study "PM Related Burden of Disease in India Study (PRELUDE)"

(b) Details of thesis completed during current year.

- **Effect of Supplementation of Vitamin C and Thiamine on the outcome of Sepsis.**(Completed)
  (Dr. Gayathri Ranie A P)
- **Clinicobacteriological Profile of Hospital Acquired Infections.**(Completed)
  (Dr. Saman Wasi)

Dr. Suresh Kumar

A) On going project: Study of saroglitazar in Alcholic Hepatitis. (Principal Investigator)

B) Details of thesis completed during current year.

- Study of NASH by fibroscan and its correlation with pathological finding
(Dr. SaoodMalik)
-To study Metabolic Profile in patients with Hep. C before and after treatment with DAA(Dr. Nirupama)

Dr. Sunita Aggarwal

(a) Ongoing Project

Principle investigator in international trials -"

- International Registry to assess medical Practice with longitudinal observation for Treatment of Heart Failure (REPORT-HF)

- A Randomized, Double-Blind, Parallel Group Study to Evaluate the Efficacy and Safety of Alirocumab (SAR236553/REGN727) Versus Ezetimibe in Asia in High Cardiovascular Risk Patients with Hypercholesterolemia Not Adequately Controlled With Their Statin Therapy"

(b) Thesis As supervisor

- Assessment of serum holotranscobalamin levels as an early biomarker in people prone to megaloblastic anemia
- Study on association of plasma retinol levels in patients of iron deficiency anaemia
- Study on Low dose prophylaxis in Haemophilia A
- Study on Low dose prophylaxis in Haemophilia B

Dr. Sandeep Garg

Ongoing project

- **As- Principal investigator**
- Effect of semaglutide once-weekly versus insulin Aspart three times daily, both as add on to metformin and optimized insulin glargine (U100) in subjects with type 2 diabetes (SUSTAIN 11)
- Study Title: A Randomized, Double-blind, Placebo-controlled, Parallel-group, Multicenter Study to Demonstrate the Effects of Sotagliflozin on Cardiovascular and Renal Events in Patients with Type 2 Diabetes, Cardiovascular Risk Factors and Moderately Impaired Renal Function (SCORED)

- **As Co- investigator**
- As Co investigator in A phase III randomized, double-blind trial to evaluate efficacy and safety of once daily empagliflozin 10 mg compared to placebo, in patients with chronic Heart Failure with reduced Ejection Fraction (HFrEF)
- A Randomized, Double-Blind, Placebo-Controlled Study to assess the effects of bempedoic acid (ETC-1002) on the occurrence of major cardiovascular events in patients with, or at high risk for cardiovascular disease who are statin intolerant. (CLEAR)

THESIS Ongoing

- **As Supervisor**

- Evaluation of Epicardial fat thickness in patients of Hypothyroidism
- Prevalence of Andropause in diabetics patients aged less than 50 years
- Study on markers of bone mineral metabolism in thyroid disorder
- Evaluation of Epicardial adipose tissue in patients with type II diabetes

- **As Co-Supervisor**
- Role of very low dose factor VIII prophylaxis in Severe Hemophillia A patients
- Role of very low dose factor VIII prophylaxis in Severe Hemophillia B patients
- Effect of supplementation of of albumin patients of sepsis with hypoalbuminemia.
- Prevalence of prediabetes and diabetes among first degree relatives of type-2 diabetes patients.
- Cardiovascular manifestations in patients with thyroid disease.
- Sustained virological response and clinical profile of patients with chronic hepatitis C related compensated cirrhosis.
- Efficacy and safety of vildagliptin and remogliflozin as add-on therapy to metformin in patients of type II diabetes patients.

Details of thesis completed during the current year

- As Co-Supervisor
- Assessment of quality of life in severe hemophilia using generic and hemophilia specific instruments
- Study of insulin resistance and metabolic syndrome in chronic Hepatitis C before and after treatment
- Study of plasma retinol levels in patients with iron deficiency anemia
- Real time ultrasonographic evaluation of the Achilles tendon and plantar fascia in patients with diabetes

Dr. Sumeet Singla

- **Ongoing Projects:** A study to assess salivary Anti-CCP antibodies in patiens with Rheumatoid Arthritis and it's correlation with serum Anti-CCP antibodies and Disease activity Nailfold Capillary patterns in patients of Diabetes Mellitus and their correlation with Retinopathy Prevalence of Psoriatic Arthritis in Psoriasis Patients and their clinical correlates Patterns of Nailfold capillary abnormalities among patients of Rheumatoid Arthritis - Postgraduate thesis of MD Medicine student

- **Trainees from other agencies**

Dr. M.K. Daga

S.No.	Name of Trainees	Sponsoring Agency	Period of Training
1.	PGDGM, trainees for Diploma in Geriatric Medicine	IGNOU	06 Months

6.**Training course/Conferences/Workshops organized.**

Dr. R.S. Ahlawat: Medicine Update 2019-20 conducted.

Dr. Suresh Kumar

A Symposium on Hepatitis Vaccination Program in Delhi for Health Care Workers organized in ABCON Auditorium In March, 2019 with Dr. Sanjay Tyagi, Dean, MAMC as in the Chair/or as Convener

Dr. M.K. Daga

Publications during the period:

- **Mradul K. Daga***, Ankit Chhoda, Shashank Singh, **Govind Mawari**, Naresh Kumar, T. K. Mishra, H. S. Hira . Effect of Statin Supplementation on Pulmonary Function and Inflammatory Markers in Patients of Chronic Obstructive Pulmonary Disease. Current Respiratory Medicine Reviews, 2019, 15, 50-55
- Anant Mohan, Karan Madan, Vijay Hadda, Pawan Tiwari, Saurabh Mittal, Randeep Guleria, GC Khilnani,SK Luhadia, RN Solanki, KB Gupta, Rajesh Swarnakar, SN Gaur, Pratibha Singhal, Irfan Ismail Ayub, Shweta Bansal, Prashu Ram Bista, Shiba Kalyan Biswal, Ashesh Dhungana, Sachin Doddamani, Dilip Dubey, Avneet Garg, Tajamul Hussain, Hariharan Iyer, Venkatnarayan Kavitha, Umasankar Kalai, Rohit Kumar, Swapnil Mehta, Vijay Noel Nongpiur, Loganathan N, Sryma PB, Raju Prasad Pangeni, Prajowl Shrestha, Jugendra Singh, Tejas Suri, Sandip Agarwal, Ritesh Agarwal, Ashutosh Nath Aggarwal, Gyanendra Agrawal, Suninder Singh Arora, Balamugesh Thangakunam, D Behera, Jayachandra, Dhruva Chaudhry, Rajesh Chawla, Rakesh Chawla, Prashant Chhajed, Devasahayam J Christopher, **MK Daga**, Ranjan K Das, George D'Souza, Raja Dhar, Sahajal Dhooria, Aloke G Ghoshal, Manoj Goel, Bharat Gopal, Rajiv Goyal, Neeraj Gupta, NK Jain, Neetu Jain, Aditya Jindal, SK Jindal, Surya Kant, Sandeep Katiyar, SK Katiyar, Parvaiz A Koul, Jaya Kumar, Raj Kumar, Ajay Lall, Ravindra Mehta, Alok Nath, VR Pattabhiraman, Dharmesh Patel, Rajendra Prasad, JK Samaria, Inderpaul Singh Sehgal, Shirish Shah, Girish Sindhwani, Sheetu Singh, Virendra Singh, Rupak Singla, JC Suri, Deepak Talwar, Jayalakshmi TK, TP Rajagopal: **Guidelines for Diagnostic Flexible Bronchoscopy in Adults: Joint Indian Chest Society/National College of Chest Physicians (I)/Indian Association for Bronchology Recommendations. Lung India • Volume 36 • Supplement 2 • July 2019**
- Jean-Louis Vincent,MD, PhD; Bruno Francois, MD; Igor Zabolotskikh, MD, PhD; **Mradul Kumar Daga, MD;** Jean-Baptiste Lascarrou, MD; Mikhail Y. Kirov, MD; Ville Pettila, MD; Xavier Wittebole, MD; Ferhat Meziani, MD, PhD; Emmanuelle Mercier, MD; Suzana M. Lobo,MD, PhD; Philip S. Barie,MD, MBA; Mark Crowther, MD; Charles T. Esmon, PhD; Jawed Fareed, PhD; Satoshi Gando,MD, PhD; Kenneth J. Gorelick, MD, PhD; Marcel Levi, MD, PhD; Jean-Paul Mira, MD, PhD; StevenM. Opal, MD; Joseph Parrillo,MD, PhD; James A. Russell, MD; Hidehiko Saito,MD, PhD; Kazuhisa Tsuruta, PhD; Takumi Sakai; David Fineberg, MD; for the SCARLET Trial Group. **Effect of a Recombinant Human Soluble Thrombomodulin on Mortality in Patients With Sepsis-Associated Coagulopathy The SCARLET Randomized Clinical Trial**. **JAMA May 28, 2019 Volume 321, Number 20**
- Daga MK, Mawari G, Bharali D, Banker H, Mehar P, Saluja P, Kumar D, Kumar D, Jha MK, Gargava P. **Assessment of the air quality and its impact on health and environment in India. Indian J Med Spec 2019;10:117-25**

Dr. Sunita Aggarwal

Papers

- Chapter in APICON 2019- Asymptomatic elevations of transaminases -API textbook 2019
- Chapter HIV /AIDS in ICP monograph emerging and re-emerging infectious disease ;108-118
- Sunita aggarwal, Jahnvi Dhar,Sandeep Garg .Physical Activity -Which and How? (including Role of Yoga) ,ICP monograph Of Practical Pearls in Hypertension ;37-42
- Sandeep Garg, Pinkesh Parmar, Sunita aggarwal. Chapter in ICP monograph of HT- Endocrine HT-ICP monograph Of Practical Pearls in Hypertension ; 80-87
- Oral presentation in APICON 2019
  1. Probing the plausible role of deranged thromophilic Markers in Young patients of MI
  2. Urgent need to understand theCorelation between Young Ischaemic Stroke patients,and deranged Thrombophilic Profiles
  3. Leptospirosis Presenting as symmetrical pheripheral Gangrene ;A rare presentation

Got first prize in both oral presentations

- Oral paper presentation in HAEMATOCON -ASSESSMENT OF SERUM TRANSHOLOCOBALAMINE AS EARLY BIOMARKER IN PEOPLE PRONE TO MEGALOBLASTIC ANAEMIA
- Poster on -Role of flowcytometry in predicting the probability of leukemic spill over of myeloma

Dr. Sandeep Garg

- Pooja Anand, Sunita Aggarwal, Sandeep Garg, N Gupta, Seema kapoor. Probing the plausible role of deranged thrombophilic markers in young patients of MI. Jr.Asso.phys. India. Feb.2019: 67: 54
- Pooja Anand, Sunita Aggarwal, Sandeep Garg, N Gupta, Angad Grewal. Urgent need to understand the corelation between young Ischemic stroke patients and dreranged thrombophilic profiles.. Jr.Asso.phys. India. Feb.2019: 67: 62
- Cheng J, Tennla J, Stenman L, Garg S, Kumar Santosh etal. Influence of Lactitol and Psyllium on Bowel function in consipated Indian volunteers: A randomiszed, controlled trial. Nutrients 2019,11,1130; doi:10.3390/nu11051130

Dr. Sumeet Singla

Publications during the period:

Singla S, Kumar J, Pandey N. Prevalence and Risk Factors of Subclinical Vertebral Fractures Among Women with Rheumatoid Arthritis. MAMC J Med Sci. 2019; 5(3): 121-7

Singla S, Garg S, Attri B, Elhence A, Saluja P, Jain S. Contraceptive Practices and Awareness among Patients Attending a Rheumatology Clinic at a Tertiary Hospital in North India: a Cross-Sectional Survey. J Ind Acad Clin Med. 2019;20(2):95-100

Bohania N, **Singla S**, Pandit S, Anuradha S, Lodhi H, Sakhuja P. A Deadly Alternative. J Ind Acad Clin Med. 2019;20(2):125-7

- **Books/ Chapters /Contributed:**

Dr. M.K. Daga

- **Mradul Kumar Daga, Lalit Kumar, Jitendra Shukla:** Central nervous system depressants: overdose and management. Principal and Practice of Critical Care Toxicology (Jaypee Brothers Medical Publishers) First Edition :2019 Page No. 77 - 83
- **Dr. Suresh Kumar:** Contributed a Chapter in Medicine Update Book -2019 Topic: HCV Treatment, current perspective in management.

Dr. Sandeep Garg

- Sandeep Garg, Pinkesh Parmar. Corrosive Acid Poisoning. API text book of Medicine chapter 9: p 2229-2231
- Sandeep Garg, Kapil Goyal. Role of steroids in sepsis. API, Progress in Medicine 2019 (2):29: 1071-1073
- Sunita Aggarwal, Pooja Anand, Sandeep Garg, Angad Grewal. HIV/ AIDS. Emerging and Re-emerging infectious Diseases. 2019: Chapter 16; p108-118
- Sandeep Garg, Vinay Singh. Ethics Committee and its Functions..Ethics in Clinical Research 2019: chapter 3;p17-22

- Sandeep Garg, Roopa Sharma. Non infectious causes of Fever. Fever in Tropics- A practical Approach. Chapter 12; p 89-93

- **Conferences/Workshops/Symposiums attended:**

Dr. R.S. Ahlawat

- Chaired CME on Thalseemia May 4, 2010
- Chaired Thyroid, Kidney & Pancreas - APO Delhi State Chapter in July, 2019
- Attended 16th Congress of Asian Society of CAST Transplantation in October,2019
- Attended ISNCON - 2019 in November, 2019
- Attended World Congress of Nephrolgoy-2019 in May, 2019

Dr. M.K. Daga

- 25th Annual National Conference of the Association of Indian Society of Critical care Medicine, Mumbai was attended by Dr. Mradul Kumar Daga chaired a session on problems in ICU
- Invited as Faculty " Assessment of Environment, occupational Health and safety Organized by CSIR, NEERI and SAOEN on 28th to 29th Jan 2019
- Attended and deliver talk during AIIMS Pulmocrit – 2019, Update in Pulmonary, Critical Care & Sleep Medicine (02nd to 03rd March 2019).
- Invited as Faculty and exports " Consortium for health effects of air pollution research in India CHAIR India on 14th to 15th May 2019 the park New Delhi
- Attended and deliver talk during Mid – Term "Conference of Innovative Physicians & Post Graduates" In Association with Department of Medicine SMS Medical College, Jaipur on 7th Jul 2019.
- Attended as invited faculty "Indoor Air Quality-Opportunity and Challenge" November 2019
- Attended and deliver talk during Mid – Term CME – 2019, Association of Physicians of India (Delhi State Chapter) on 14th to 15th Dec 2019.
- Invited as Faculty " Medanta Infectious Disease- CME "on 22nd Dec 2019.
- Attended and deliver talk during "Certain Checklist for early recognition and treatment of Acute Illness and Injury" at Mayo Clinic 2019.

Dr. Suresh Kumar:

* Delivered a lecture at Annual Conference, Kochi, Kerla APICON 2019 in February, 2019
* Delivered a Lecture at Endocrinology Conference at Gurugram, Haryana on Fatty Liver in February,2019
* Invited as Speaker on Dengue Prevention and Treatment by Delhi Medical Association in July, 2019.
* Core Faculty for formulation of guidelines on Dengue Management - AIIMS and WHO Expert GroupMeeting in the month of August, 2019
* Attended a Conference of South East Asian Region and WHO Expert Group Meeting in BankogThialand in the month of July, 2019
* Delivered a Oration on current management of Hepatic Encephalopathy on 4th December, 2019 at State Level Conference of Delhi API Chapter.
* Delivered a Lecture on HCV and HIV co-infection at Delhi.
* Delivered Lecture on Patient Safety and Adverse Drug Reaction at Delhi State *Level Conference organizedby Pharmacology Department, MAMC.

Dr. Sunita Aggarwal

- Apicon 2019 in Cochine– Delivered a **lecture on**Asymptomatic elevations of transaminases -
- Haemophilia day in MAMC
- Diabecon 2018 on 28-29th April –as Faculty member . I chaireda session on DM
- Max medicine update -4th Aug lecture - I delivered a lecture on unexplained anaemia
- National haemophilia update in Bangalore on 14 -15 th Oct
- HAEMATOCONfrom 7 -10th Nov Delhi- chaired a session on approach to bleeding disorder on 7th nov
- I organized CME on haemophilia inMAMC On 21st Nov

Dr. Sandeep Garg

- Chaired a session on Biostatistics at National Research Conference-cum workshop organized by Physician Research forum of API held at New Delhi on 12-13 Jan 2019
- Chaired a session on "Debate on Endocrine dilemmas on use of aspirin in primary prevent and target BP in Diabetes" in Speedcon-2019 held at new Delhi on 2-3rd Feb. 2019.

- Chaired a session on "Case based approach in Endocrinology for PG students" in Speedcon-2019 held at new Delhi on 2-3rd Feb. 2019
- Attended Delhi State Hemophilia (road map for Hemophilia care in Delhi) meeting on 23.2.19 at Delhi
- Chaired a session on "Growth Assessment and Approach to short stature" in Practical Pediatric endocrinology course held at IHC, New Delhi on 23/2/19.
- Chaired a session on "How to write a scientific paper" at Innovative Physician Forum Medicon 2019 on 24/11/19 at New Delhi
- Delivered a lecture on "Steroid use is beneficial in sepsis" in APICON 2019 held at Kochi on 9.2.19
- Delivered a lecture on "Cytokeratin-18, A marker of NASH" in Obesity and Weight Management conference held at NewYork on 18.3.19
- Delivered a lecture on " Type II Diabetes in young' in Diabcon-2019 held at New Delhi on 27.4.19
- Delivered a lecture on "Treatment of Hemophilia" at Interstate Hemophilia workshop held at MAMC on 29 to 30/11/19.
- Chaired a session on " Diabetes Symposium" in the Annual conference of Delhi State API held at New Delhi 0n 28/7/19 at hotel royal Plazza.
- Delivered a lecture on Approach to Hyperkalemia in Medicine Update of Max Hospital on 4/8/19 at hotel Leela Ambience, New Delhi.
- Chaired a session on "Clinical management and Diagnosis of CVID" in the CME on Primary Immunodeficiency Syndrome organized by Pediatrics Department on 8/8/19 at MAMC.
- Attended certificate course in "Excellence in Peer Review" Organized by Taylor and Francis Group at MAMC on 9/9/19
- Attended "Advanced certification symposium in Diabetes" on 29th Sept. 2109 at New Delhi
- Given a lecture on "Diagnosis and treatment of Hemophilia" in CME on hemophilia at MAMC on 21.11.19

Dr Sumeet Singla

- Indo-UK World Rheumatology Forum Conference held in Gurgaon in March 2019
- Indian Rheumatology Association Research Cell Research Methodology Workshop held at PGIMER Chandigarh in July 2019
- 2nd Uvea-Rheumatology Interface 2019 held in Delhi in July 2019 MyoIN Summit 2019, held in July 2019 at SGPGI,Lucknow
- Traoning Course on Data Analysi using Statistical Software for Health and Demographic Research held at National Institute of Health and Family Welfare, New Delhi in September 2019
- International Conference on Womens Health in Autoimmune Diseases at PGIMER, Chandigarh, in October 2019
- API-Delhi State Chapter Annual Conference held in Delhi in Dec 2019
- Annual Conference of Indian Rheumatology Association (IRACON) 2019 held at Puducherry in Dec 2019

- **Significant Events (Honors to Faculty)**

Dr. M.K. Daga

- Invited as Faculty " Assessment of Environment, occupational Health and safety Organized by CSIR, NEERI and SAOEN on 28th to 29th Jan 2019
- Invited as Faculty and exports " Consortium for health effects of air pollution research in India CHAIR India on 14th to 15th May 2019 the park New Delhi
- Expert Committee "Guidelines for Antibiotic Prescription in Intensive Care Unit" Indian Journal of Critical Care Medicine, January 2019;23 (Suppl 1):S1-S63.
- Invited as Faculty and exports " Indoor Air Quality-Opportunity and Challenges"
- Invited and Presentation " Clinical Interpretation of lab result on 22nd Dec 2019 Medanta hospital

Dr. Suresh Kumar: Received Award and Felicitated by API Delhi Branch and given Oration (Dr. Bansal and Uma Bansal Oration) on 4th December, 2019.

- **Fellowship**

Dr. R.S. Ahlawat: FICP Fellowship was awarded by Indian College of Physician in the month of January, 2020 at 75th Annual Conference of API (year 2019-20)

Dr. M.K. Daga

- FRCP (Fellow of Royal College of Physicians. Edinb.) 2019

- FACP (Fellow of American College of Physicians) 2019.

Dr. Suresh Kumar

- Fellowship in Academy of Clinical Medicine (FIACM) was awarded .

Dr. Sunita Aggarwal

Was selected as a fellow for American college of physicians **(FACP)**

Dr. Sumeet Singla

Fellowship under The Medical Scientist Exchange Program of NAMS for the year 2018-19 was awarded to Dr Sumeet Singla by National Academy of Medical Sciences and availed by him for training in Immunology at Sanjay Gandhi Postgraduate Institute of Medical Scienses, Lucknow for 4 weeks in Nov-Dec 2019

- **Representation on expert Committee/Bodies:**

Dr. R.S. Ahlawat:

- Expert and Chairman for PPP Dialysis Project in Govt. Hospitals of NCT of Delhi
- Expert for ILBS in (i) Selection of faculty, Nephrology (ii) Nephrology Department related projects.
- Member of State Level Organi Transplantation Authorization Committee, Govt.of NCT of Delhi

Dr. M.K. Daga

- Member of the Library Advisory committee MAMC.
- Member of committee to evaluate Best thesis of outgoing post graduate student of MAMC.
- Member of Hospital Drug Formulary Committee.
- Member of Coronary Care Unit/Cardiac Laboratory.
- Member of the research cell for research projects, Maulana Azad Medical College, New Delhi-2014.
- Faculty of Department Education involved in Medical Teachers National Training Programme.
- Counselor and faculty for PG in Geriatric Medicine Course being run by Indra Gandhi National Open University.
- Faculty for centre for occupational &Environmental Health under Govt. of Delhi.
- Examiner for MD Medicine and DNB Medicine.
- Editorial Board of Current Medical Journal Published From Jaipur, Rajasthan
- On reviewer panel of Indian Journal of Medical Research; Official Journal of Indian Council of Medical Research (ICMR).
- Editorial board of Journal "Lung India"
- Editing E- book in General Medicine
- Member of Davidson's Principles and Practice of Medicine International Advisory Board (IAB) for the forthcoming 23rd Edition.
- Member Secretary Indraprastha Vyavsayik Evam Paryavarneeya Swasthya Samiti (IVPSS) & Centre for Occupational and Environmental Health
- Member for the expert committee for evaluation of Silicosis induced death by Govt. of NCT Delhi
- Member of Hospital Bio Medical Waste Management and Infection Control, Sectinal Committee MHD 21.
- Member of Curriculum Committee for monitoring and implementation of Attitude and communication (AT COM)
- Member of Editorial Board of Journal of Respiratory Research (ISSN 2412-2424)
- Member Secretary Instructional Ethical Committee Maulana Azad Medical College
- Member of BMWM Committee of LNH, New Delhi.
- Member Instructional Ethical Committee All India Institute of Medical Sciences (AIIMS)

Dr. Suresh Kumar

- On Expert Panel of AIIMS
- On Expert Panel of SKIMS Srinagar, J &K.
- On panel of UGC
- On panel of UPSC.
- On Panel of Rathasthan University of Health Sciences, Jaipur.
- On Panel of Maharastra University of Health Sciences, Nasik.
- Member of Expert Committee, ICMR.
- External Examiner for MD, Medicine of Gujrat University, Maharastra University, Sri Guru Ram Rai University, Dehradun.

- Expert and Advisor to Delhi Government on Aam Admi Mohalla Clinic.
- Nodal Officer and Expert for Hepatitis Control Program of Delhi.

Dr. Sunita Aggarwal
- Expert member in Delhi Medical council
- Expert member in DMSE committee vaccine
- Resource person in postgraduate medical education and training cell in MAMC
- Expert member in post graduate studies board of studies
- VC Training on "Typhoid Resurgence and its latest Management" on 6th December'19 from ESIC Hqrs Office

Dr. Sandeep Garg
- Was member of expert committee formed by UGC, CSIR for various work time to time
- **Health Services to the Community:**

Dr. M.K. Daga
- Organized a health checkup camp for the poor and underprivileged school children at Nai Disha, Vasant Kunj, New Delhi on 3rd November 2019
- Organized a health checkup camp and Data Collection human health effect FIRECRACKERS BURSTING DURING DIWALI IN NATIONAL CAPITAL OF DELHI. 24TH October to 30th October 2019

- **Lab Data:**

Dr. Suresh Kumar
- Name of the Lab: Endoscopy Unit
- Name and no. Of test performed:
- UGIE : 1152
- Duodenal Biopsy and other procedures : 88
- Fibroscan : 1162
- Percentage of growth compared to last year. (1) : 20% (2) 15% (3) 100%

A) Name of the Lab: PCR Hepatitis Lab
B) Name and no. Of test performed:
- HAV Igm : 384 (2) HEV Igm : 480 (3) HBsAg : 768 (4) Anti HCV : 960 (5) HB e Ag : 192

(6) HBc Tgh : 288 (7) HCV RNA : 600
- Percentage of growth compared to last year. (1) to (7) : 20%

Dr. Sumeet Singla
Lab Data:
A)Name of the Lab: Nuclear Medicine Lab, B L Taneja Block
B)Name and no. Of test performed:
(1) Serum Rheumatoid Factor - 150 tests
(2) Serum CRP - 150 tests
(3 Serum Ferritin - 30 tests
(4)Blood HbA1C - 60 tests
C) Percentage of growth compared to last year. 20%

- **New facilities added:**
- **Any other worth mentioning information**

Dr. Sandeep Garg
- Is a member of SAE Independent Expert committee Central drug standard control organization of DCGI, Govt. of India
- Is a member of committee formed for the expert opinion in medical negligence cases in Delhi Medical Council
- Is a member of expert committee formed by UGC, CSIR and UPSC for various work time to time
- Was elected as a Member of Physician Research Form of API
- Was a member of Panel discussion on Diabetes on Total Health Programme live telecasted On Door darshan DD news Channel on 17/11/19

MICROBIOLOGY

1. Name of the Head of the Department: Dr. C.P. Baveja till 27.11.2019 and **Dr. Vikas Manchanda** from 28.11.2019

S.No.	Name of the Faculty	Designation
1	Dr. C.P. Baveja	Director Professor
2	Dr. Surinder Kumar	Director Professor
3	Dr. Vikas Manchanda	Associate Professor
4	Dr. Rohit Chawla	Associate Professor
5	Dr. Prabhav Aggarwal	Assistant Professor
6	Dr. Tanu Sagar	Assistant Professor
7	Dr. Oves Siddiqui	Assistant Professor

2. Members who have left the Department during the period:

S.No.	Name of the Faculty	Designation	Reason for leaving the job
1	Dr. C.P. Baveja	Director Professor and Head	Joined as Director Principal, Dr. Baba Sahib Ambedkar Medical College, Delhi
2	Dr. Surinder Kumar	Director Professor	Superannuated

4. Research Schemes:

Ongoing projects:

A. Supported by State/GoI Grant

Dr. C.P. Baveja

1. Integrated Counselling and Testing Centre for HIV under NACO & DSACS.
2. State Reference Laboratory for HIV under NACO & DSACS.
3. Laboratory for enumeration CD4 T-lymphocyte by flow cytometry under NACO & DSACS.

Dr. Rohit Chawla

1. Regional STI Reference, Research and Training Center Laboratory under NACO & DSACS.

Dr. Vikas Manchanda

1. Advance Virology Laboratory under Govt of NCT of Delhi
2. State Laboratory for National Viral Hepatitis Control Program, Govt of NCT of Delhi

B. Research Projects - Extramural Funded

PI : Dr. Vikas Manchanda

1. Point-of-Care (POC) devices for bedside diagnosis of bacteremia and neonatal sepsis. *Funded by* DST, IMPRINT-2 funds
2. Development of a point-of-care (POC) diagnostic panel for rapid detection and stratification of bacterial septicemia in critically-ill patients. *Funded by* DST under nanomission grant
3. Evaluating PCV impact on invasive pneumococcal disease, pneumonia, pneumococcal carriage, and health economic outcomes in India. *Funded by* Bill Gates Melinda Foundation and Pfizer.
4. WHO project entitled "Development of an Indian Priority Pathogen List (IPPL) of antibiotic-resistant bacteria to guide research, discovery and development of new antibiotics, from the national perspective" (Oct 2018-Feb 2019).
5. Rapid diagnosis of candidemia through a novel, rapid and cost-effective spot immunomagnetic enrichment device (SiMED) Initiated July 2018, funded by DBT

C. Research Projects - Intramural Funded

i. "Utility of Fecal Biomarkers in Acute Infectious Diarrhea in Children.", funded by MAMC. – PI **Dr. Prabhav Aggarwal**

ii. Detection of Dermatophytes in patients with Onychomycosis Funded by MAMC – **PI Dr. Tanu Sagar**
iii. To determine the spectrum of anaerobic bacteria in clinical specimens and the utility of real-time PCR for the diagnosis of anaerobic infections. Funded by MAMC – PI **Dr. Oves Siddiqui**

b. Details of thesis completed during current year

i. **Dr. C.P. Baveja:** Supervisor for 01 MD Thesis; Co-Supervisor for 05 MD Thesis
ii. **Dr. S. Kumar:** Supervisor for 01 MD Thesis, Co-Supervisor for 02 MD Thesis

5. Trainees from other agencies:

Short term training was provided to several students of the following courses from University of Delhi and other Universities:

i. B.Sc. (Biotechnology and Biomedical sciences)
ii. B. Tech (Biotechnology)
iii. MLT students from other institutions

6. Training course/conferences/workshops organized:

Dr. C.P. Baveja & Dr. Rohit Chawla

i. Conducted workshop on "Staphylococcal phage typing" for final year M.D. (Microbiology) students of Delhi University on 25 January 2019.
ii. Conducted induction training on IGNOU Certificate course in Healthcare Waste Management (CHCWM) Programme on 07 & 08 February, 2019 at New Delhi.
iii. Organized Workshop on External Quality Assessment Scheme for HIV Serology for laboratory technicians of linked ICTCs and PPTCTs on 13 March 2019.
iv. Conducted scientific session on "Laboratory diagnosis of non-ulcerative STIs & RTIs" during CME Programme for Postgraduate Students organized by Regional STI Research, Reference and Training Centre, MAMC, on 18 March 2019.
v. Conducted training on IGNOU CHCWM Programme from 13 to 15 May, 2019 at New Delhi.
vi. Conducted induction training on IGNOU CHCWM Programme on 23 & 24 October, 2019 at New Delhi.
vii. Conducted training on IGNOU CHCWM Programme from 06 to 08 November, 2019 at New Delhi.
viii. Organized training programs on Biomedical Waste Management for Senior Residents, Junior Residents and Technical staff of Maulana Azad Medical College.

Dr. Vikas Manchanda

i. Organized an awareness campaign through a Walkathon on Antimicrobial resistance containment from MAMC to Raj Ghat on November 17, 2019 in collaboration with IAMM, WHO, CDC, USA

Dr. Rohit Chawla

i. Conducted training of Master Trainers for "Blended Clinical Training Programme" as a Senior Master Trainer under the aegis of National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India, from 25 to 28 June, 2019 at New Delhi.
ii. Conducted training of Master Trainers for "Blended Clinical Training Programme" as a Senior Master Trainer under the aegis of National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India, from 02 to 05 July, 2019 at Guwahati.
iii. Conducted training on IGNOU Postgraduate Diploma in HIV Medicine (PGDHIVM) Programme on 19 September, 2019 at New Delhi.
iv. Conducted scientific session on "Standard Precautions and Biomedical Waste Management" during workshop on Preservation Techniques of Human Body on 20 December, 2019 at New Delhi.

7. Publications during the period:

i. Suman U, Chaudhary M, **Baveja CP** "A Rare Presentation Of Salmonella Typhi As Multiple Liver Abscess With Typhoid Fever In A Child", International Journal Of Scientific Research, 2019;8:63-64.
ii. **Manchanda V**, Prasad D, Randive B, Gerhardt A, Huskins WC, Singh N. Infection control practices at facilities providing monetary incentives for facility births: An assessment at selected labour and delivery rooms in two states of India. J Patient Saf Infect Control. 2019;7:25-30.

iii. Sardana R, Mandal AK, Nair D, Mendiratta L, Butta H, Jain T S, Kapil A, Wattal C, Hans C, Mani R K, Sagar G, Jaggi N, Khilnani P, Mathur P, Jasuja S, Kansal S, **Manchanda V**, et al. Preventing infection from indwelling intravascular devices: Hospital infection society India consensus group recommendations for Indian healthcare. J Patient Saf Infect Control 2019;7:31-47.

iv. Chaudhry R, Thakur CK, Gupta N, **Sagar T**, Bahadur T, Wig N, Sood R, Misra MC. Mortality due to scrub typhus - report of five cases. Indian J Med Res. 2019 Jun;149(6):790-794. doi: 10.4103/ijmr.IJMR_1314_18.

v. KS Abhishek, **O Siddiqui,** A Chakravarti.Increasing number of secondary dengue cases: a concern. International Journal of Research in Medical Sciences; 7 (5), 1558.

8. Books/Chapter/Contributed:

Dr. C.P. Baveja

i. Practical Pathology Microbiology and Pharmacology (Dental Students) 3rd Edition has been written as co-author by Dr. C.P. Baveja and published by Arya Publications, Delhi

Dr. Rohit Chawla

i. Co-editor, Lippincott Illustrated Reviews Microbiology, First South Asian Edition. Published by Wolters Kluwer in November 2019.

ii. Co-editor, Training Module on Opportunistic Infections in HIV: Laboratory Diagnosis & Laboratory-Clinical Interface. Published by National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India in August 2019.

9. Conferences/workshops/symposiums attended:

Dr. C.P. Baveja

i. Annual Delhi Chapter of MICRO-D-CON in 2019.

Dr. Vikas Manchanda

i. Orientation Meeting for "Sensitization and Hands-on workshop on Maintenance and Certification of Biosafety Cabinets", 13 May 2019, National Institute of Biologicals, Noida

ii. Attended workshop on State Action Plan for containment of AMR organized by Delhi Health Services on Aug 26-27, 2019.

iii. Attended WHO-IAMM meeting on inception of WHO-IAMM network Surveillance of Antimicrobial Resistance (WINSAR) on March 28-29, 2019.

Dr. Rohit Chawla

i. Attended meeting of the Expert Group to finalize the Training Modules for the Laboratory Staff of HIV Laboratories, National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India, on 22 & 23 January, 2019 at New Delhi.

ii. Attended meeting of the Expert Group to finalize the Training Modules for the Laboratory Staff of HIV Laboratories, National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India, on 08 February, 2019 at New Delhi.

iii. Attended the Orientation Program for Senior Master Trainers, National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India, on 12 & 13 February, 2019 at Nagpur.

iv. Attended the meeting of Technical Experts for the development of Modules-Labs for Life project. National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India, on 05 & 06 March, 2019 at New Delhi.

v. Attended Regional Assessors Conclave, organized by National Accreditation Board for Testing and Calibration Laboratories (NABL) on 08 May, 2019 at New Delhi.

vi. Attended Indian Association of Medical Microbiologists (IAMM) meeting on "Antimicrobial Resistance (AMR) Containment-The way forward", on 22 December, 2019 at New Delhi.

Dr. Prabhav Aggarwal

i. Attended Curriculum Implementation Support Program (**CISP**) **workshop** conducted by Medical Education Department, MAMC on 11.03.2019,

ii. Attended 1st Annual Research Day at AIIMS, Delhi on 26.03.2019:
iii. Attended Indian Association of Medical Microbiologists- Delhi Chapter on 20.07.2019.
iv. Participated in Revised Basic course workshop in Medical Education Technologies, conducted by Medical Education Department, MAMC on 27.08.2019 to 29.08.2019
v. Attended Sensitization Program on AETCOM module on 30.08.2019
vi. Attended XVIth Annual National Conference of Hospital Infection Society (HISICON) in Kolkata on 13.09.2019 to 15.09.2019
vii. Attended In-house Curriculum Implementation Support Program Workshop at MCI Regional Centre for Faculty Development, MAMC on 25.09.2019 to 27.09.2019
viii. Attended Micro-D-Con 2019 - Indian Association of Medical Microbiologists- Delhi Chapter on 01.11.2019.

a. Dr. Tanu Sagar

i. International Conference on Human, Animal and Plant Mycoplasmas' held at NCMR-NCCS, Pune on December 03 & 04, 2019
ii. Participated in Revised Basic course workshop in Medical Education Technologies, conducted by Medical Education Department, MAMC on 27.08.2019 to 29.08.2019

10. Visitors: Nil

11. Significant events (Honors to the Faculty):

Dr. C.P. Baveja

i. Awarded State Doctors Award by Government of NCT of Delhi in 2019.
ii. Awarded "Distinguished Alumnus Award" of MAMC in 2019. The award was conferred by the Vice President of India.
iii. Sub Dean, Maulana Azad Medical College, Delhi
iv. Officiating Dean, Maulana Azad Medical College, Delhi w.e.f. 24.07.2019 to 30.07.2019
v. Promoted to HAG post of CHS cadre.
vi. Chief Guest and Keynote Speaker at Nivodya Medical College, Raichur, India in August 2019.
vii. Guest of Honor for Dr. Paintal Memorial Award at VP Chest Institute, Delhi
viii. HOD, Microbiology, Faculty of Medical Sciences, University of Delhi.
ix. Chairperson of 'Committee of Courses and Studies' in Microbiology, University of Delhi
x. Vice Chairman of Infection Control Committee of Lok Nayak Hospital, New Delhi.
xi. Vice Chairman, Antibiotic Committee, Lok Nayak Hospital, New Delhi
xii. Chairperson, Departmental Research Committee (DRC) Microbiology, Faculty of Medical sciences, University of Delhi
xiii. Chairperson of curriculum & courses studies meeting of University of Delhi.
xiv. Chairperson "MAMC Best Oral Paper Session 1" at India Habitat Center in Micro-D-Con 2019.
xv. Chairperson of Post Graduate Cell for approval of Thesis/Protocols of the PG students batch 2019.
xvi. Chairperson for PhD viva at University of Delhi.
xvii. Chairperson on Interview Board for Senior resident's selection at M.A.M. College, New Delhi in 2019.
xviii. Chairperson at TROPACON 2019 conference at Moradabad in October 2019.
xix. Chairperson of Interview Board for post of Assistant Professor (Contractual) by Govt. of NCT of Delhi at MAMC in December 2019.
xx. Attained satisfactory performance in External Quality Assessment Scheme for CD4+ T- Lymphocyte Enumeration conducted by National AIDS Research Institute, Indian Council of Medical Research under the aegis of National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India.
xxi. Attained 100% concordance in External Quality Assessment Scheme for HIV Serology conducted by National Reference Laboratory (NRL) for HIV, Centre for AIDS & Related Diseases, National Centre for Disease Control (NCDC), Dte. General of Health Services, Ministry of Health & Family Welfare, Government of India, Delhi.

Dr. Vikas Manchanda

i. Chaired a Diagnostic Roundtable Seminar at National Science Center, Delhi. The seminar has been organized by NCSM (India), BIRAC (India), Science Museum Group (UK) and Longitude Prize/Nesta (UK) on September 6, 2019.
ii. Member, Departmental Research Committee (DRC) Microbiology, Faculty of Medical sciences, University of Delhi
iii. Delivered Lecture on WHONET-Validation of AMR data at WHONET training workshop at LHMC on December 13, 2019.
iv. Panellist in Challenges and solutions in BioMedical Waste Management MICROCON 2019 on November 29, 2019
v. Delivered Lecture on WHONET-Validation of AMR data. National Conference, MICROCON 2019, Mumbai on November 27, 2019
vi. Delivered Lecture on WHONET-Laboratory configuration and data analysis, MICROCON 2019, Mumbai on November 27, 2019
vii. Delivered Lecture on Antimicrobial stewardship and HAI Surveillance—leveraging the synergy at BJ MICROCON, Nov 23, 2019.
viii. Delivered Lecture on Quality Indicators in Diagnostic Stewardship ay Micro-D-CON, November 01, 2019.
ix. Delivered Lectures on HAI Surveillance, Surveillance of Healthcare Associated Infections (HAI) Designing and implementation of Surveillance System, Outbreak Investigation and "Prevention And Control of Healthcare Associated Infections, Catheter-associated Urinary Tract Infections, Surgical Site infections, Ventilator associated Pneumonia and Catheter related blood stream Infections at NQAS Workshop: Infection Control for Nursing Officers held on Sep 11 and Sep 19, at DSHM office, Vikas Bhawan, New Delhi
x. Delivered Lecture on Recent advances in Microbiology, Workshop on Recent advances in Microbiology Diagnosis at Pediatric Super speciality Hospital, NOIDA, February 2019
xi. Delivered Lecture on "Transmission-based precautions, Infection control in high risk settings" at workshop on "Essentials of safe Nursing Practices" from January 29th to February 2nd, 2019, held at Rajiv Gandhi Super specialty Hospital, Tahirpur, Delhi.
xii. Poster Presentations:
    a. Nagi N, Manchanda V, Yadav A, Aggarwal A, Jhamb U, Baveja CP. Mechanisms of antimicrobial resistance (AMR) and their attributable mortality in paediatric sepsis – A pilot study. July 2019, IAMM Delhi Chapter
    b. Nagi N, Manchanda V, Arora N, Hasan F, Jhamb U, Baveja CP. To study the effect of use of air purifiers on microbial load in a Pediatric Intensive Care Unit of a tertiary care hospital. April 2019, IAMM Delhi Chapter
    c. Suman U, Manchanda V, Sarin YK, Jyotsana, Andrews SR, Shashibala, Baveja C.P. Paediatric surgical wound infections and its microbiological spectrum over a period of two years in a tertiary care hospital. April 2019, IAMM Delhi Chapter
xiii. Discharged duties as Superintendent during the Delhi University 2nd MBBS Examination.
xiv. Discharged duties as Examiner during the Delhi University 2nd MBBS Annual Examination.

Dr. Rohit Chawla

i. Dr. Rohit Chawla after having passed the theory and practical examinations in the subject of Microbiology was awarded Diplomate of National Board (DNB) by the National Board of Examinations, Ministry of Health & Family Welfare, Government of India.
ii. Dr. Rohit Chawla was conferred with President-National Board of Examinations Gold Medal for academic excellence in the field of Clinical Microbiology by Dr. Harsh Vardhan, Hon'ble Union Minister of Health & Family Welfare, Government of India, during the 20th Convocation of the National Board of Examinations on 24 December'2019 at New Delhi.
iii. Dr. Rohit Chawla was admitted as the member of the National Academy of Medical Sciences, India.
iv. Dr. Rohit Chawla was felicitated by the National Board of Examinations (NBE), Ministry of Health & Family Welfare, Government of India, in recognition of bringing the academic richness to the postgraduate programmes of the NBE.
v. Dr. Rohit Chawla successfully completed the course on Good Clinical Practice, conducted by the National Institute on Drug Abuse (NIDA) Clinical Trials Network, USA.
vi. As Quality Manager, HIV Laboratory, Dr. Rohit Chawla was instrumental in facilitating the conduct of the Desktop Surveillance of the laboratory by the National Board of Testing and Calibration Laboratories in accordance with ISO 15189:2012, which led to the continuation of the accreditation of the laboratory as per the said standard.

vii. As Laboratory Assessor under the aegis of National Accreditation Board for Testing & Calibration Laboratories (NABL), Dr. Rohit Chawla conducted the audit of various laboratories to ascertain their compliance to the International Standard, ISO 15189:2012-Medical Laboratories: Requirements for quality and competence.

viii. Attained satisfactory performance in External Quality Assessment Scheme for Syphilis Serology conducted by Apex regional STD Teaching Training & Research Centre, VMMC & Safdarjung Hospital, New Delhi-110029.

ix. Attained 100% concordance in External Quality Assessment Scheme for HIV Serology conducted by National Reference Laboratory (NRL) for HIV, Centre for AIDS & Related Diseases, National Centre for Disease Control (NCDC), Dte. General of Health Services, Ministry of Health & Family Welfare, Government of India, Delhi.

x. Attained satisfactory performance in External Quality Assessment Scheme for CD4+ T- Lymphocyte Enumeration conducted by National AIDS Research Institute, Indian Council of Medical Research under the aegis of National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India.

xi. Discharged duties as Superintendent during the Delhi University 2nd MBBS Supplementary Examination.

xii. Discharged duties as Examiner during the Delhi University 2nd MBBS Annual Examination.

Dr. Prabhav Aggarwal

i. Delivered guest Lecture on 'Infection control in Hospital and Dental Practice' at ESIC Dental College and Hospital, Rohini, Delhi on 07-05-2019 on

ii. Presented poster 'Performance of in-house Antibiotic disc in comparison to Viket-2 Compact System for Non-Fermenting Gram-Negative Bacteria' at Micro-D-Con 2019 on 01.11.2019.

iii. Co- author for Poster presented "Comparison of In-house Antibiotic disc and VITEK-2 Compact system for Family Enterobacteriaceae." at Micro-D-Con 2019 on 01.11.2019.

Dr. Oves Siddiqui

i. Appointed as external examiner for M.Sc. (Medical Microbiology) 2nd year annual Examination 2019 by Hamdard Institute of Medical sciences and research (HIMSR), New Delhi.

12. Fellowship: Nil

13. Representation on expert committee/bodies:

Dr. C.P. Baveja

i. Member Core Committee, RNTCP

ii. Member State Task force Committee of RNTCP

iii. Chairperson, Biomedical Waste Management Committee of Maulana Azad Medical College, New Delhi.

iv. Member, Biomedical Waste Management Committee of Lok Nayak Hospital, New Delhi.

v. Chairman, Departmental Research Committee, Microbiology Department, MAMC

vi. Member of committee for awards to medical students by MAMCOS.

vii. Reviewer for Indian Journal of Medical Microbiology and Oman Medical Journal.

viii. Member, Delhi Chapter of Indian Association of Medical Microbiologists

ix. Member, Indian Association of Mycoplasmalogists.

x. Member, Curriculum Committee for MBBS students of MAMC, New Delhi.

xi. Member, Grievance committee for redressal of the grievances of MAMC, New Delhi.

xii. Member, Academic Council, University of Delhi.

xiii. Member, University Court, University of Delhi.

xiv. Member of Committee for KB Sharma Rolling Trophy in 2018.

xv. Principal Member, Medical Laboratory Instruments Sectional Committee MHD 10, Bureau of Indian Standards, Manak Bhawan, New Delhi.

xvi. Principal Member, Biological and Clinical Evaluation of Medical Devices and Immuno- Biological Diagnostic Kits Sectional Committee MHD 19, Bureau of Indian Standards, Manak Bhawan, New Delhi.

xvii. Principal Member, Hospital Biomedical Waste Management and Infection Control Sectional Committee, MHD 21, Bureau of Indian Standards, Manak Bhawan, New Delhi.

xviii. Member, Editorial Board, MAMC Journal of Medical Sciences

xix. Member, Board for Research Studies, University of Delhi.
xx. Member, Board for Studies, Aligarh Muslim University, Aligarh.
xxi. Member, District AIDS Prevention & Control Committee, Central Delhi.
xxii. Member, Ethics Committee, Aligarh Muslim University, Aligarh.
xxiii. Member, State level committee for investigation of Adverse Reactions following Oral Polio Vaccinations under Govt. of NCT of Delhi.
xxiv. Member of committee for specifications of instruments at Ministry of Health and Family Welfare, Nirman Bhavan, New Delhi
xxv. Member of committee for Rules formulation for Class III and IV employees at MAMC, Delhi
xxvi. Member, Technical Resource Group, NACO
xxvii. Subject expert for Faculty posts of Microbiology at Janakpuri Superspeciality Hospital, New Delhi in November 2019.
xxviii. Subject expert for Faculty posts of Microbiology at ILBS, New Delhi in November 2019.
xxix. External Examiner for PhD viva at AIIMS, New Delhi.
xxx. External Examiner for MD Microbiology at LHMC in April 2019.
xxxi. External Examiner for MD Microbiology at GMC, Gauhati in June 2019.
xxxii. External Examiner for MD Microbiology at Ram Murti Medical College, Barreily in June 2019.
xxxiii. External Examiner for MD Laboratory Medicine at AIIMS, New Delhi in 2019.
xxxiv. Subject Expert for formulation of MCQs of Orissa Public Service Commission
xxxv. Panelist in Dermatology TB conference in July 2019.
xxxvi. Participated in Core Committee of RNTCP in August 2019.
xxxvii. Participated in meeting of new MBBS curriculum as Dean, MAMC on 30.07.2019.

Dr. Vikas Manchanda

i. MAMC & LNH

- Member, MAMC Research Cell
- Member, Institutional Ethics Committee, MAMC
- Member, Website Committee, MAMC
- Member, Biomedical Waste Management Committee of Lok Nayak Hospital, New Delhi.
- Secretary, Hospital Infection Control Committee, LNH

ii. Govt of NCT of Delhi

- Member, Technical Committee for formulation of State Action Plan for Antimicrobial containment, Govt of NCT of Delhi
- Member, Institutional Ethics Committee, Chacha Nehru Bal Chikitsalaya, Govt of NCT of Delhi
- Member, State Adverse events following immunization (AEFI) committee
- Member, Hospital Infection Control, SOP Committee, Delhi State Health Mission,
- Member, Committee for finalizing a comprehensive and composite proposal for facilitating Training and Exchange Programs on Management Skills and Staff Skills of the in-service Medical Professionals/ Paramedical/Nursing Staff of the Department of H&FW, Govt. of NCT of Delhi in National and International institutes of repute
- Member, Outsourcing of laboratory services of Aam Admi Mohalla Clinics and other Delhi Govt Health centers
- Member, Hospital Infection Control, Standard Operating Procedure Committee, Delhi State Health Mission, 2019

iii. Central Government, Quasi-Governmental and Autonomous bodies

- Expert Review meeting at National Center for Disease Control (NCDC) Delhi to update SOP for AMR surveillance
- Medical Biotechnology and Nano-technology, Sectional Committee, MHD 20
- Member, Project Review Committee, ICMR
- Member, Advisory Committee, Indo-Norwegian Projects on AMR, ICMR,

- Assessor, NABH for NABH Accreditation of HCO, SCHO, safe I program, NABH

iv. Professional Medical bodies and Associations

- Executive member, IAMM National Body
- Executive member, IAMM - Delhi Chapter
- Member of Editorial Board of following journals:
  - Journal of Patient Safety and Infection Control – Journal of Hospital infection Society of India (HISI)
  - Astrocyte – Journal by National Board of Examinations (NBE)
  - Jeevanu Times – Publication from Indian Association of Medical Microbiologists, Delhi Chapter
- Web Editor - IAMM Delhi Chapter
- Web Editor – Hospital Infection Society, India

Dr. Rohit Chawla

i. Diplomate, The American Board of Medical Microbiology, USA
ii. Diplomate, The Royal College of Pathologists, United Kingdom
iii. Diplomate of National Board, India
iv. Fellow, The Canadian College of Microbiologists, Canada
v. Member, The American Society for Microbiology, USA
vi. Member, Validation Committee, American Board of Medical Microbiology, USA
vii. Member, National Academy of Medical Sciences, India
viii. Member, Australian Institute of Medical Scientists, Australia
ix. Laboratory Assessor, National Accreditation Board for Testing & Calibration Laboratories, for auditing Medical Laboratories for their compliance to the International Standard, ISO 15189:2012-Medical Laboratories: Requirements for quality and competence, in the field of Microbiology & Serology
x. Assessor, National Accreditation Board for Hospitals & Healthcare Providers (NABH), for auditing healthcare organizations for their compliance to NABH-Pre-accreditation Entry Level Hospitals & Small healthcare organization standards
xi. Member, Technical Expert Committee to finalize technical specifications for major laboratory equipment for newly upgraded National Centre for Disease Control, Dte. General of Health Services, Ministry of Health & Family Welfare, Government of India.
xii. Subject Matter Expert, National Board of Examinations, Ministry of Health & Family Welfare, Government of India
xiii. Academic Counselor, Indira Gandhi National Open University (IGNOU) for Certificate course in Healthcare Waste Management (CHCWM) Programme for Courses BHM101, 102; BHME101-106; BHMP101; and BHML101
xiv. Academic Counselor, Indira Gandhi National Open University (IGNOU) for Postgraduate Diploma in HIV Medicine (PGDHIVM) Programme
xv. Alternate Member, Medical Laboratory Instruments Sectional Committee MHD 10, Bureau of Indian Standards, Manak Bhawan, New Delhi
xvi. Alternate Member, Biological and Clinical Evaluation of Medical Devices and Immuno- Biological Diagnostic Kits Sectional Committee MHD 19, Bureau of Indian Standards, Manak Bhawan, New Delhi
xvii. Alternate Member, Hospital Biomedical Waste Management and Infection Control Sectional Committee MHD 21, Bureau of Indian Standards, Manak Bhawan, New Delhi.
xviii. Member, Working Committee on Lab Trainings, National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India
xix. Senior Master Trainer, National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India
xx. Member, Committee for development of Modules for Labs for Life Project (Phase 3) under the aegis of National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India
xxi. Member, Technical Evaluation Committee for procurement of DBS and related items for National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India
xxii. Member, Technical Evaluation Committee for procurement of CD4 Machine & Reagents for National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India
xxiii. Member, Technical Specification Committee for finalizing specifications for dual test kits for HIV and Syphilis

screening for National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India

xxiv. External Expert, Technical Specification Committee for Color Coded STI/ RTI Kits, National AIDS Control Organization, Ministry of Health & Family Welfare, Government of India

xxv. Member, Committee of Courses and Studies, Department of Microbiology, Faculty of Medical Sciences, Delhi University

xxvi. Examiner

- Chaudhary Charan Singh University, Meerut, Uttar Pradesh
- Pt. BD Sharma University of Health Sciences, Rohtak, Haryana
- Guru Gobind Singh Indraprastha University, New Delhi
- Faculty of Medical Sciences, University of Delhi

xxx. Member, Biomedical Waste Management Committee, MAMC

xxxi. Member, Website Committee, MAMC

xxxii. Member, Committee to decide on Dr. R.P. Khera Merit Award for the Year 2018.

xxxiii. Superintendent, Delhi University 2nd MBBS (Supple) Theory and Practical Examinations.

xliv. Member, Condemnation & Auctioning Committee, MAMC

xlv. Member, Departmental Research Committee

xlvi. Member, Interview Board to conduct walk-in interview for recruitment of Senior Residents in the Department of Microbiology, Lok Nayak Hospital, New Delhi.

xlvii. Member, Selection Committee for recruitment of Senior Residents in the Department of Microbiology, MAMC, New Delhi.

xlviii. Member, Selection Committee for recruitment of Senior Residents in the Department of Microbiology, Govind Ballabh Pant Institute of Postgraduate Medical Education & Research, New Delhi.

xlix. Faculty, Post-graduate Orientation Program, MAMC

l. Reviewer

- The Journal of Obstetrics and Gynaecology Research
- Indian Journal of Medical Microbiology

lii.Member

- Indian Association of Medical Microbiologists
- Indian Society of Malaria & Other Communicable Diseases
- Delhi Chapter of Indian Association of Medical Microbiologists

Dr. Prabhav Aggarwal

i. Internal Auditor for NABL as per ISO 15189:2012.

ii. Member, Committee for VIRASAT- 2019 scheduled at Maulana Azad Medical College, Delhi.

iii. Member, Selection Committee for recruitment of Senior Residents in the Department of Microbiology, MAMC, New Delhi.

iv. Member for recommendation of books and journals in Microbiology for procurement at National Medical Library, meeting held at Ministry of Health and Family Welfare, Nirman Bhavan, New Delhi.

v. Peer Reviewer for following journals during 2018:

- BMC infectious diseases
- Journal of Medical Microbiology
- Journal of Global Antimicrobial Resistance
- Indian Pediatrics
- Microbial Drug Resistance.
- Annals of Clinical Microbiology and Antimicrobials

14. **Health services to the community:**

Nil

15. **Lab Data:**

S. No.	Laboratory	Total
1.	HIV Lab	**43361**
2.	Serology Lab	**16023**
3.	Pus Lab	**16713**
4.	Antibiotic Lab	**8951**
5.	Blood & CSF Lab	**10259**
6.	Urine Lab	**37075**
7.	Diarrhea Lab	**4043**
8.	Parasitology Lab	**1181**
9.	Anaerobic Lab	**1163**
10.	Tuberculosis Lab	**1113**
11.	Mycology Lab	**2546**
12.	Virology Lab	**100236**
13.	Emergency Lab	**80036**
14.	STI Lab	**4495**
15.	Advance Virology	**1847**
	Grand Total	**329042**

Percentage growth compared to last year (2018): 3.9%

16. New facilities added:

Following test parameters added to Advance Virology Laboratory

S. No.	**New Facilities Added**
1	HBV viral load PCR
2	HCV viral load PCR
3	Anti-HBs Antibodies quantitative
4	Zika Virus IgM ELISA
5	Zika Virus IgG ELISA
6	Anti-CMV IgG avidity ELISA
7	Anti- Rubella IgG avidity ELISA
8	Anti-measles IgG antibodies in CSF ELISA
9	Anti-mumps antibodies quantitative ELISA
10	Anti-VZV IgG antibodies quantitative ELISA
11	Japanese encephalitis IgM in CSF ELISA
12	West Nile Virus IgM antibodies ELISA
13	Anti-HSV 1 &2 IgM in CSF ELISA
14	EBV VCA- IgG ELISA
15	EBV VCA- IgM ELISA
16	PCR for Urine CMV
17	PCR for Bacterial Meningitis
18	PCR for JEV
19	PCR for EBV
20	PCR for HSV1+2
21	PCR for Viral meningitis

17. Any other worth mentioning information: Nil

NEONATOLOGY

1. Name of the Head of the Department:Dr. AJAY KUMAR

S. No.	Name of The Faculty	Designation
1	Dr Ajay Kumar	Director Prof & HOD
2	Dr Siddarth Ramji	Director Professor (Posted with MCI)
3	Dr Ashish Jain	Associate Professor

2. Members who have left during the period:

S. No.	Name of Faculty	Designation	Reason for leaving the job
1	Dr N B Mathur	Director Professor	Super numeration
2	Dr Abhishek Chopra	Assistant Professor	Resigned

3. **Research scheme**

1) Ongoing project

1. Research Project "**Effect of Enteral Iron Supplementation in Term Small for Gestational Age Infant-A Randomized Controlled Trial"** under the Scheme "Strengthening of Medical Research" of Government of NCT of DELHI, MAMC New Delhi **(PI: Dr Ajay Kumar, Co-PI: Dr Ashish Jain, Dr Abhishek Chopra**, Dr BC Koner)

2. "**Zinc as an adjunct for the treatment of clinical severe infection in infants younger than 2 months"** Funded by the Pediatric Biology Centre (PBC) at the Translational Health Science and Technology Institute (THSTI) in collaboration with Centers for Health Policy/Primary Care and Outcomes Research at Stanford University School of Medicine (CHP/PCOR) and the Centre for International Health, University of Bergen, Norway (CHN-CIH) 2015-2018 (Site Investigators: **Dr Ajay Kumar, Dr NB Mathur, Dr S Ramji**)

3. Comparative study of a novel hearing screening device, Sohum, with the gold standard Technology. Funded by the Sohum Innovation Labs, Bangalore. (**PI: Dr Ashish Jain, Co-PI; Dr S Ramji, Dr Abhishek Chopra, Dr N B Mathur,** Dr P K Rathore, Dr Ravi Maher).

4. NBBD (New-born Birth Defect) Database LNJP Hospital and Zika Surveillance, a project lead and funded by the WHO SEARO (2014) with **Dr AshishJain** as the Site Co-Coordinator.

2) Details of thesis completed during current year

1. "Risk Factors for Acute Bilirubin Encephalopathy among Newborns with Severe Hyperbilirubinemia -A Prospective Observational Study" submitted to Delhi University In November 2019 (**Dr K Saddam Hussain, Dr Ajay Kumar**, Dr PK Rathore, Dr BC Koner).

2. "Outcome of Jaundiced Neonates with Two Targets of Total Serum Bilirubin Level for Phototherapy Discontinuation" submitted to Delhi University in May, 2019 (**Dr Nidhi Jain, Dr Ajay Kumar, Dr S Ramji,** Dr BC Koner).

3. "Evaluation of Diagnostic Accuracy of Markers of Suspected Inborn Errors of Metabolism" submitted to Delhi University in November 2019 (**Dr Kaushaki Shankar, Dr NB Mathur**, Dr Seema Kapoor).

4. Publications during the period:

1. Ganju S, **Kumar A** : Noma Neonatorum-A unique Presentation of Sepsis in Neonates (Your Diagnosis, Please). Accepted for Publication September 18, 2019 in The Pediatric Infectious Disease Journal. ISSN: 0891-3668/19/00-00 DOI: 10.1097/INF.0000000000002518.
2. **Jain N, Gupta V, Mathur NB, Kumar A**, Khurana N, Sarin YK. Enterogenous cyst presenting as mediastinal mass in a newborn (Case Report). J Indian Assoc Pediatr Surg 2019;24:72-4.
3. Verma P, Kapoor S, Kalaivani M, Vats P, Yadav S, Jain V, Thelma BK: Science and Engineering Research Board – Newborn Screening Initiative Group (SERB-NBS) members. An Optimal Capillary Screen Cut-off of Thyroid Stimulating Hormone for Diagnosing Congenital Hypothyroidism: Data from a Pilot Newborn Screening Program in Delhi. Indian Pediatr. 2019 Apr 15;56(4):281-286.

4. Modi M, **Ramji S, Jain A**, Kumar P, Gupta N. Early Aggressive Enteral Feeding in Neonates Weighing 750-1250 Grams: A Randomized Controlled Trial. Indian Pediatr. 2019 Apr 15;56(4):294-298.
5. **Jain N, Ramji S, Jain A,** Modi M, Sharma P. Early prediction of feed intolerance in very low birth weight preterm infants using superior mesenteric artery blood flow velocity. J Matern Fetal Neonatal Med. 2019 Mar 25:1-6.
6. Jain K, Nangia S, Ballambattu VB, Sundaram V, Sankar MJ, **Ramji S**, et al. Goat lung surfactant for treatment of respiratory distress syndrome among preterm neonates: a multi-site randomized non-inferiority trial. J Perinatol. 2019 Sep;39(Suppl 1):3-12.
7. Jain K, Sankar MJ, Nangia S, Ballambattu VB, Sundaram V, **Ramji S**, et al. Causes of death in preterm neonates (<33 weeks) born in tertiary care hospitals in India: analysis of three large prospective multicentric cohorts. J Perinatol. 2019 Sep;39(Suppl 1):13-19.
8. India State-Level Disease Burden Initiative Malnutrition Collaborators. Collaborators: Swaminathan S, Hemalatha R, Pandey A, Kassebaum NJ, Laxmaiah A, Longvah T, Lodha R, **Ramji S,** The burden of child and maternal malnutrition and trends in its indicators in the states of India: the Global Burden of Disease Study 1990-2017. Lancet Child Adolesc Health. 2019 Sep 18. pii: S2352-4642(19)30273-1.[Epub ahead of print]
9. Kumari N, **Jain A, Ramji S**. Prediction of nutritive sucking in preterm babies (<34 weeks) and preterm sucking readiness scale. Matern Health Neonatal Perinatol. 2019 Nov 4;5:18.
10. **Ramji S, Jain A**. National Program for RMNCH + A: Newer Strategies for Improving the Newborn Health in India. Indian J Pediatr. 2019 Jul;86(7):617-621.
11. **Jain A**, Di Blasi RM, Devgan V*, et al.* Simple point of care continuous positive airway pressure delivery device (Jain-CPAP) *BMJ Innovations* Published Online First: 28 May 2019. doi: 10.1136/bmjinnov-2018-000339.
12. **Pal S, Jain A,** Garg M, Sekhar JC**.** Predicting Outcome in Neonates with Possible Clinical Sepsis by Estimating an Early Score of neonatal Acute Physiology-II (SNAP-II). J Trop Pediatr. 2019; 0:1-8.
13. Sekhar JC, **Jain A**, Mishra S, Chopra A. Congenital idiopathic calcinosis cutis with aplasia cutis congenita. J Clin Neonatol 2019;8:120-1.
14. **Jain A, Jha BK, Chopra A**. Type (0) spinal muscular atrophy associated with fractures at birth. J Clin Neonatol 2019;8:125-7.
15. Ratan SK, Kumar P, **Jain A**, Panda SS. Colonic Atresia: A Differential Diagnosis to be kept for Large Air Fluid Level on Roentgenogram. Scientific Journal of Paediatrics. 2019;1:18-20.
16. Said H, **Jain A**, Kapoor S. Congenital midline cervical cleft in a neonate born to diabetic mother – An unusual association. J Clin Neonatol 2019; 8:178□9.
17. **Pal S,JainA, Chopra A**,Singh M. A Newborn with a Changing Rash. NeoReviews 2019; 20 (12): e740-e743; DOI: https://doi.org/10.1542/neo.20-12-e740
18. **Pal S, Jain A**. Neonatal Thrombocytopenia. J Pediatr Crit Care 2019;6(2): 33-44.
19. **Jain A, Pal S**. Echogenic Bowel. Perinatology.2019; 19 (4): 130-132.
20. **Jain N, Jain A**. OSCE: Management of Hypernatremic dehydration in neonates. J Pediatr Crit Care 2019;6(4): 57-64.
21. **Jain A, Jain N**. Enlarged Cisterna Magna. Perinatology.2019; 20 (02) :43-44

8.**Books/ Chapters contributed:**

i. **Dr Ashish Jain** Contributed In.AIIMS Protocols in Neonatology. 2nd Edition. Ed. Ramesh Agarwal, Ashok Deorari, Vinod Paul, M Jeeva Sankar, Anu Sachdeva.Noble Vision (Medical Book Publishers), New Delhi, 2019.

9. **Conferences/ Workshops/ Symposiums attended:**

1. **Dr Ajay Kumar**: Panel Speaker "Case based Panel Discussion- Pregnancy with Non-Rheumatic Heart Disease (Congenital Heart Disease, Cardiomyopathy)" at 5th Maternal and Fetal Medicine Update on Pregnancy with Heart Disease, Organized by Department of Obstetrics and Gynecology, Maulana Azad Medical College,New Delhi, 21 December, 2019.
2. **Dr Ajay Kumar**: Chaired a session on "Cardiotocography: Basics and its nuances" at 4th Maternal and Fetal Medicine Workshop, Organized by Department of Obstetrics and Gynecology, MaulanaAzad Medical College, New Delhi, 02nd March, 2019.
3. **Dr Ashish Jain**
   1. attended the CME on "Changing Trends in Obstetric Anesthesia, Anesthesiologist and the high risk Parturient

"Organized by the Department of Anesthesiology and Intensive Care, MAMC on 16th March 2019 as panelist.

2. Attended the "Neonatal Ventilation Workshop" organized by the Department of Pediatrics, AIIMS New Delhi at CMETAIIMS, New Delhi on 28th March 2019 as Lead Instructor.
3. Attended the Neonatology Update, CME cum Workshop "Optimizing Neonatal Outcomes" Organized by; Department ofNeonatology, Sir Ganga Ram Hospital on 29th and 30th March 2019. New Delhi as Invited Faculty.
4. Attended the "Many Birth Defects, one Voice, Birth Defects -From Count to Care" Organized by Division of Genetics and Neonatology, Department of Pediatrics, AIIMS, New Delhi at AIIMS, New Delhi on 20th April 2019 as invited expert panelist.
5. Attended the "Update on Prenatal &Newborn Screening" organized by the Department of Pediatrics and Department of Obstetrics and Gynecology, Maulana Azad Medical College, under the aegis of Department of Biotechnology and in association with AOGD on 4th May 2019 at MAMC as expert Panelist.
6. Attended the "7th Neonatal and Pediatric Ventilation Workshop" organized by BLK Center for Child Health and IAP Central Delhi Branch at Jaypee Siddharth Hotel, New Delhi on 18 and 19th May 2019 as Lead Instructor.
7. Attended the "Non-Invasive Ventilation Workshop "organized by NNF and UNICEF at Swami Dayanand Hospital, New Delhi on 25th May 2019 as lead Instructor.
8. Attended the "CME in Neonatology" organized by Ekta Institute at Babylon Hotel, Raipur on 26th May 2019 as lead Instructor.
9. Attended the "7th Workshop on "Clinical Evaluation in Pediatric Neurology" organized by the Department of Pediatrics, Lady Hardinge Medical College, New Delhi on 3rd and 4th Aug 2019 as a invited faculty.
10. Attended the 1st East Zone NEOCON & 23rd Annual Conference of Neonatology Society of West Bengal held from 6th to 8th September 2019 at Biswa Bangla Convention Centre Newtown Kolkata (WB) as Invited faculty.
11. Attended the 1st West Zone NEOCON 2019 organized by IAP Rajasthan and NNF Rajasthan held from 4th to 6th October 2019 at Hotel Clarkes Amer, Jaipur (Rajasthan) as Invited Faculty.
12. Attended Training of Trainers (TOT) CPAP Workshop in Central Zone NEOCON 2019 & Annual Convention of UP State NNF organized by Bareilly Branch (UP) held on 19th October 2019 at IMA Hall, Bareilly (UP) as lead Instructor.
13. Attended NEOCON-2019, 39th Annual Convention of National Neonatology Forum (NNF) at Hyderabad (Telangana) held on 13th to 15th December 2019.

10.**Visitors:** A Guest Lecture on "Assessment and Intervention in the High Risk Neonate in NICU and Following Discharge-Feeding Assessment and Interventions in Difficult Preterm Feeders" was arranged by Department of Neonatology, MAMC, New Delhi and delivered by Dr Bobby Pineda, Assistant Professor Occupational Therapy and Pediatrics at Washington University School of Medicine, St Louis, USA.

11. **Significant Events (Honors to Faculty):**
    i. **Dr. S. Ramji** was appointed Senior Advisor (OSD), Board of Governors of Medical Council of India.
    ii. **Dr. S. Ramji** delivered the Kerala University of Health Sciences Oration at Trissur.
    iii. **Dr Ashish Jain** was awarded FNNF (Fellow National Neonatology Forum) at the 39th Annual Convention of National Neonatology Forum (NNF) at Hyderabad (Telangana) held on 13th to 15th December 2019.

13. **Representation on expert Committee/ Bodies:**
1. **Dr Ajay Kumar** Carried out Medical Council of India Inspection for Assessment of the Physical and other Teaching Facilities for recognition of 01 seat in the Course DM Neonatology at Rangaraya Medical College, Kakinada, AP on 08 August 2019.
2. **Dr Ajay Kumar** Member of the Committee of Courses & Studies in Neonatology (D.M. Neonatology), Faculty of Medical Sciences, University of Delhi, Delhi. Year 2015-2019.
3. **Dr Ajay Kumar** Member Departmental Research Committee, Pediatrics, Faculty of Medical Sciences, University of Delhi, Delhi, 2019.
4. **Dr Ajay Kumar** Member-Independent Expert Committee, Medicines Safety Monitoring Division, Central Drugs Standard Control Organization, DGHS, GOI, 2019.
5. **Dr Ajay Kumar** Expert Member-Faculty Selection Committee, for the selection of Professor, Associate & Assistant Professors Neonatology, SSPH & PGTI, NOIDA, on 26 May, 2019.
6. **Dr. S. Ramji** is Member, Standing Selection Committee, AIIMS, Mangalagiri (AP).
7. **Dr. S. Ramji** is Member of the Governing Body, AIIMS, Rae Bareilly, UP.

8. **Dr. S. Ramji** is Member, Health Technology Assessment Board of India, DHR, GOI.
9. **Dr. S. Ramji** is Chairman, Technical Advisory Group (Maternal, Newborn and Child Health), Department of Biotechnology, Ministry of Science & Technology, GOI.
10. **Dr. S. Ramji** is the chair of the DSMB of the ICMR sponsored multi-centric study entitled "Comparison of the efficacy of a 7-day versus a 14-day course of intravenous antibiotics in the treatment of uncomplicated neonatal bacterial sepsis: a randomized controlled non-inferiority trial".
11. **Dr. S. Ramji** is a DSMB member of the WHO multi-country ACTIONS trial and i-KMC trial.
12. **Dr. S. Ramji** is a member of the ICMR Technical Advisory Group for Child Health.
13. **Dr. S. Ramji** is the Executive Editor of Indian Pediatrics (the official Journal of the Indian Academy of Pediatrics).
14. **Dr. Ashish Jain** was appointed as a Specialty expert by the NBE for the DNB (Neonatology) appraisal at the Fernandez Hospital, Hyderabad (Telangana) on 21st Jan 2019.
15. **Dr Ashish Jain** was invited as a Co-opted Expert for the Health Technology Assessment in India (HTAIn) Committee for the evaluation of the "Diagnostic Validation and Health Technology Assessment of Sohum Neonatal Screening Device on 26th August 2019 by Department of Health research, Government of India
16. **Dr. Ashish Jain** was nominated as a member of the Technical Advisory Committee on ICMR's Task Force Entitled "Classification of Indian Pregnancies as late preterm, term and post term based on adverse perinatal outcome as function of gestational age/ gestational length while adjusting the confounders (28th August 2019)
17. **Dr Ashish** was invited as an expert for the Consultative Meeting for 'FBNC Training Package' and National Operational Guidelines organized by National Collaborative Centre for Facility Based Newborn Care (KSCH & Lady Hardinge Medical College) under the aegis of Child Health Division MoHFW, supported by WHO-CO Delhi on 6 -7th December 2019. New Delhi
18. **Dr Ashish Jain** Member Editorial Board (Section Editor) Indian Pediatrics, a publication by Indian Academy of Pediatrics, PubMed Indexed (2019-2020)
19. **Dr Ashish Jain** Associate section editor "Journal of Neonatal Surgery", a pub-med indexed publication. Continuing, 2019-2020.

14. **Health Services to the Community:**

Health Centre activities/ camps/ drives/ national programme etc.

I. **Dr Ashish Jain** Facilitated 1st Session on implementation of " facility -team-driven approach in improving the quality of care in the Special Newborn Care Unit in Shivamogga" from 11th to 12th May 2019 organized by the AIIMS , New Delhi.

II. **Dr Ashish Jain,** Facilitated the "Neonatal Workshop on Neonatal Resuscitation in A collaboration towards developing neonatal Care "Organized by NRHM (UP)" for the Doctors and Nurses of SNCU of UP State on 13th Aug 2019.

15. **Lab Data:**

a) Name of the Lab
b) Name and number of the test performed
c) Percentage of growth compared to last year.

17. **Any other worth mentioning information.**

i."NNF Gold Medal Award at the 39th Annual Convention of National Neonatology Forum (NNF) at Hyderabad on December 2019 for the research paper "Preterm Birth Syndromes: Phenotypes and their association with neonatal outcomes" (**Somalika Pal, Ashish Jain, S Ramji)**

OBSTETRICS AND GYNAECOLOGY

Name of the Head of Department: Dr. Asmita M Rathore

1. Name of Faculty

S. No.	Name of Faculty	Designation
1	Dr.Sudha Prasad	Director Professor
2	Dr.Gauri Gandhi	Director Professor
3	Dr.Anjali Tempe	Director Professor
4	Dr. Asmita Rathore	Director Professor&Head
5	Dr. Ashok Kumar	Director Professor
6	Dr.Y.M.Mala	Director Professor
7	Dr.Deepti Goswami	Director Professor
8	Dr.Sangeeta Gupta	Director Professor
9	Dr.Latika Sahu	Director Professor
10	Dr.Krishna Agarwal	Professor
11	Dr. Madhavi Gupta	Professor
12	Dr.Devender Kumar	Professor
13	Dr.Renu Tanwar	Professor
14	Dr.Shakun Tyagi	Associate Professor
15	Dr. Preeti Singh	Associate Professor
16	Dr. Nilanchali Singh	Assistant Professor
17	Dr. Niharika Dhiman	Assistant Professor
18	Dr. Poonam Kashyap	Assistant Professor

2. Members who have left during the period- Dr. M. Tanuja- Resigned., Dr. Sudha Prasad. Superannuated on 30th Sept.

3. Research Scheme.

(b).Thesis completed during current year-(submitted in April 2019)

S. no	Title of the thesis	Supervisor	Investigator
1	Relationship of demographic, hormonal and Ultrasonography predictors in young women with poor ovarian reserve undergoing In Vitro fertilization/ Intracytoplasmic sperm injection cycles	Dr. Sudha Prasad	Dr. Nupur Niharika
2	DNA fragmentation index in normospermic males with tubal infertility in female partner undergoing in vitro fertilization cycles.	Dr. Sudha Prasad	Dr. Priyanka Nandini
3	Comparison of dinoprostone intracervical gel and dinoprostone controlled release vaginal pessary for Pre induction cervical ripening and induction of labor at term	Dr. Anjali Tempe	Dr. Sonia
4	Comparison of letrozole n gonadotropin with gonadotropin only in IVF	Dr. Anjali Tempe	Dr. Divya Gaur
5	Comparison of Hpv 16/18 genotyping with p16/ki67 dual staining to detect high grade lesion in low grade smears	Dr. Gauri Gandhi	Dr. Saloni Chaddha
6	Prediction of chorioamnionitis and early onset neonatal infection in prom using biomarkers IL6 and CRP	Dr. Asmita Rathore	Dr. Pratibha
7	To study the association of clinical and biochemical parameters affecting acute liver failure due to hepatitis E in pregnancy-	Dr. Ashok Kumar	Dr. Divya K. V.
8	Association of sexually transmitted infections and tuberculosis in ectopic pregnancy	Dr. Y.M. Mala	Dr. Manan Kumar
9	Study of bone health in women with premature ovarian insufficiency	Dr.Deepti Goswami	Dr. Mrinalini Dhakate

10	: The effect of chorionic villus sampling on placental perfusion by measuring in uterine artery pulsatility index between first and second trimester of pregnancy.	Dr. Sangeeta Gupta	Dr. Aparajita Ranjan
11	comparison of four models to predict risk of malignancy in ovarian tumor	Dr. Latika Sahu	Dr. Reetu Yadav
12	Association of sleep disorders with pregnancy outcome	Dr. Madhavi Gupta	Dr. Ullas Kumari
13	: Expectant management of small for gestational age babies	Dr.Krishna Agarwal	Dr. Sneha Mishra
14	Study of myocardial performance index in iugr fetuses 28-37 weeks	Dr. Devender	Dr. Kaarthiga
15	To compare Dydrogesterone –Human menopausal gonadotropin protocol with the antagonist protocol in combination with Frozen-Thaw Embryo Transfer in In Vitro Fertilization cycle	Dr. Renu Tanwar	Dr. Nuzhat Zaman
16	Cerebroplacental and cerebrouterine ratio in late fetal growth restriction-	Dr. Shakun Tyagi	Dr. Ishita Agarwal

4. Trainee from other agencies- FNB -NBE - FNB - Reproductive Medicine (2 Fellows) High Risk Pregnancy & Perinatology (2 Fellows)
5. Training course/conferences/Workshops organized by dept of Obgy

Workshops

1. CME on Infertility and reproductive endocrinology on 10/02/2019 organized by Dr. Anjali Tempe
2. CME on endoscopy 09/02/2019. Endoscopy workshop 5th May and 6th Sept, 2018 organized by Dr. Anjali Tempe.
3. 4th Maternal Fetal Medicine workshop on Cardiotocography- Basics and its Nuances.02/03/19
4. Update on Ovarian Tumors.23/03/2019
5. 41st Annual Conference AOGD 2019 Pre- Conference Workshop - Medicolegal Concerns in Obstetrics and Gynaecology, 27th September, 2019
6. TWENTY-SECOND PRACTICAL COURSE & CME IN OBSTETRICS AND GYNAECOLOGY 11th – 13th October 2019
7. 5th MFM Workshop ,pregnancy with heart disease 21/12/2019; organized by department of obstetrics and Gynaecology in collaboration with department of Cardiology , GB Pant institute of Post graduate medical education and research.
8. Senior Resident Orientation Programme have conducted on6th April (Saturday) 2019& Second SR Orientation Programme on 17.08.2019.

Publications:

A) JOURNAL PUBLICATIONS

1. Singh S, Daga MK, Kumar A, Husain SA, Kar P. Role of estrogen and its receptors in HEV associated feto-maternal outcomes. Liver Int. 2019 Apr;39(4):633-39.

2. Karna R, Hazam RK, Borkakotia J, Kumar A, Kar P. A 5-year single centre experience of Hepatitis E virus infection during pregnancy. Journal of Clinical and Experimental Hepatology.2019.

3. Rani R, Meena SB, Yadav CP, Goswami D, Tripathi R, Rathore AM. Prediction of severe adverse maternal outcome in women admitted in obstetric ward using physiological and biochemical parameters.l. Int J Reprod Contracept Obstet Gynecol. 2019 ;8(5):2019-2026.

Publications (abstracts)

8..Books/ Chapters:

1. Dr. Anjali Tempe: edited a book titled :- ObGy Subspecialties: Essentials for Postgraduates. Eds. Goswami D, Bhasin S, Tempe A. 2019. Jaypee Brothers Medical Publishers (P) Ltd, New Delhi; pp 43-54
2. Book on “Case discussions in Obstetrics and Gynecology”, by Dr YM Mala, Dr Madhavi Gupta, and Dr Asmita Rathore released in the 22nd PG Practical course .
3. Prenatal Counceling for Optimizing Pregnancy Outcome. Ed Kumar A. Jaypee Brothers Medical Publishers (P) Ltd, New Delhi; 2019.

Chapters-

1 Kumar A, Kaur S. Role of Dydrogesterone. In: Recurrent Pregnancy Loss 3rd Edition.2019. Jaypee Brothers Medical Publishers (P) Ltd, New Delhi; pp 233-238.

2 Kumar A, Tong K. Hypertension in Pregnancy. In: ObGy Subspecialties: Essentials for Postgraduates.Eds. Goswami D, Bhasin S, Tempe A. 2019. Jaypee Brothers Medical Publishers (P) Ltd, New Delhi; pp 43-54

3 Kumar A, Divya KV. Diabetes in Pregnancy. In: ObGy Subspecialties: Essentials for Postgraduates. Eds. Goswami D, Bhasin S, Tempe A. 2019. Jaypee Brothers Medical Publishers (P) Ltd, New Delhi; pp 55-61

4 Kumar A, Divya KV. HPO axis and Metabolic Derangements in PCOS. In: Polycystic Ovarian Syndrome (PCOS): A Clinician's Manual. Eds. Deshpanade H, Dahiya P. 2019. CBS Publishers & Distributors Pvt Ltd. Mumbai; pp 27-30

5 Kumar A, Divya KV. Male Fertility: Global Scenario. In: Male Infertility: Problems and Perspectives. Eds. Deshpanade H, Pandya M. 2019. CBS Publishers & Distributors Pvt Ltd. Mumbai; pp 1-4.

9.Conferences /Workshop/ symposiums attended:

Dr Ashok Kumar, Director Professor

9. Conferences Attended

Invited Lectures in the conferences

- Kumar A. "Obstetric hysterectomy "Out with it". PPH Workshop in 62nd All India Congress ofObstetrics and Gynaecology (AICOG); 8th - 12th January 2019, Bengaluru, Karnataka.
- Kumar A. "Hypothyroidism in Early Pregnancy-What's New". North Zone Yuva FOGSI Conference 2019; 1st – 3rd February 2019, Noida, Uttar Pardesh.
- Kumar A. National Faculty – Postpartum Collapse. 2nd National Postgraduate Meet & Wrokshop on Emergency Medicare Care 2019 organized by Academy of Medical Evaluators and Interpreters, Sri Guru Ram Das University of Health Sceinces Sri Amritsar, 15th-16th February, 2019. Amritsar, Punjab.
- Kumar A. National Faculty - Case Discussion; FORCE 2019 Ahmedabad –Postgraduate CME Programme; 23rd -24th February, 2019. Ahemedabad.
- Kumar A. National Faculty - Case Discussion; BOGS Examinees' special Teaching (BEST) Course organized by Bengal Obstetric & Gynecological Society.1- 3 March, 2019. Kolkata.
- Kumar A. Lupus APLA-the flareup Crisis. Gestosis 2019 organized by Lucknow Obstetrics & Gynecology Society. 23-24 March, 2019. Lucknow.
- Kumar A. Faculty: FOGSI FORCE Rajdhani 2019 –Postgraduate CME Programme; 26th -27th March 2019. Delhi
- Kumar A. Dydrogesterone during early pregnancy in prevention of Recurrent Miscarriage. Annual Conference Nabha Obstetrics and Gynecological Society, 28 April 2019. Patiala, Punjab
- Kumar A. Decreasing Primary Cesarean Rates and Art of VBAC. Annual Conference Nabha Obstetrics and Gynecological Society, 28 April 2019. Patiala, Punjab
- Kumar A. HIFU- Image Guided Therapy. FOGSI-TAIOG – Conference on Technology, Advances, Infections in Obstetrics & Gynecology. 21-23 June, 2019. Hyderabad, Telangana.
- Kumar A. Key Note address: Obstetric Triage- the Key to Safety. FOGSI-TAIOG – Conference on Technology, Advances, Infections in Obstetrics & Gynecology. 21-23 June, 2019. Hyderabad, Telangana.
- Kumar A. Key Note Address on 'Porro's Operation- Caesarean Hysterectomy' in Noida Obstetrics andGynecological Society: 19th Annual Conference held on 21st July, 2019. Noida
- Panelist in YOUTH FORUM on 'Menstrual Hygiene and sustainable practices'. YOUTHCON 2019: CME cum WORKSHOP on Adolescent Health and Menstrual Hygiene, School of Medical Sciences & Research, Sharda University. 27th July, 2019. Greater NOIDA.
- Kumar A. Fulminant Hepatic Failure in Pregnancy - Diagnostic Approach" National Workshop: Viral Hepatitis in Pregnancy: 'Unravelling the Mystery' conducted under project PRAKASH; an entity ofInstitute of Liver and Biliary Sciences, which aims to train the existing health care task force in combating viral hepatitis in the country on 27th July, 2019. New Delhi
- Kumar A. Second Stage of Labor. Labour Workshop 5th Annual Congress of Telanagana State Obstetrics & Gynecology, 2-4 August 2019. Nizamabad.
- Kumar A. Shoulder Dystocia. Labour Workshop 5th Annual Congress of Telanagana State Obstetrics & Gynecology, 2-4 August 2019. Nizamabad.
- Kumar A. Obstetric Triage- Need of the Hour? FOGSI National Congress: Breaking Silos Across Adolescence to Menopause. 10-11 August,2019. New Delhi.

- Kumar A. Progesterone in prevention of Preterm labor. CME organized by Bhiwani Obstetetrics and Gynecological Society. 21st August, 2019. Bhiwani
- Member of Panel Discussion on "Polycystic Ovarian disease"Aarogya Mahila - Women's Health and Empowerment Summit 2019, organized by FOGSI on 28th – 29th August 2019. New Delhi.
- Member of Panel Discussion on "Management of Recurrent Pregnancy Loss: Newer Trends" 33rd Annual Conference of All India Coordinating Committee Royal College of Obstetricians and Gynecologists - AICC RCOG, 5-8th September,2019. Kolkata
- Member of Panel Discussion on "Clinical Dilemmas in Endometriosis" inPre-congress Video Workshop – Endometriosis organized by the AOGD Endometriosis Committee at41st annual Conference of Association of Obstetricians and Gynecologists of Delhi on 27 September 2019. New Delhi.
- Moderator of Panel Discussion on "Hyperglycemia in Pregnancy"41st annual Conference of Association of Obstetricians and Gynecologists of Delhi on 28th – 29th September 2019. New Delhi.
- Kumar A: Case Discussion – Heart Disease in Pregnancy. 22nd Practical Course & CME, Obstetrics & Gynaecology; 11-13h, October, 2019. Maulana Azad Medical College. DELHI
- Moderator of Panel Discussion on "Hyperglycemia in Pregnancy" CME organized by Gurgaon Obstetrics & Gynecological Society on 31 October 2019. Gurugram.
- Kumar A. HAPO-Follow up Study-Long Term implications of GDM. CME on "Diabetes in Pregnancy" by Department of Obstetrics & Gynaecology, Lady Hardinge Medical College & Smt. Sucheta Kriplani Hospital, 15 November, 2019 to celebrate World Diabetes Day.
- Member of Panel Discussion on "Fetal Growth Restriction" CME on Obstetrics Emergencies under Safe Motherhood Committee, Association of Obstetricians and Gynecologists of Delhi on 16th November 2019. New Delhi.
- Moderator of Panel Discussion on "Pregnancy with Rheumatic Heart Disease" 5th Maternal Fetal Medicine Workshop organized by Maulana Azad Medical College, on 21st December2019. New Delhi.

Chairperson in the conferences

- Chairperson for Obstetric session; Dr C G Saraiya CME in 62nd All India Congress of Obstetrics and Gynaecology (AICOG); 8th - 12th January 2019, Bengaluru, Karnataka.
- Chairperson for FOGSI Medical Education Committee Workshop in 62nd All India Congress of Obstetrics and Gynaecology (AICOG); 8th - 12th January 2019, Bengaluru, Karnataka.
- Chairperson for session on "Ideal Labor Room Principles" in North Zone Yuva FOGSI Conference 2019; 1st – 3rd February 2019, Noida, Uttar Pardesh.
- Chairperson for Session in 'Live Endoscopy Workshop 2019' by Department of Obstetrics & Gynaecology, Maulana Azad Medical College & Lok Nayak Hospital under aegis of Endoscopic Committee of AOGD. 7th February 2019. Delhi
- Chairperson for Session in 'CME on Infertility (IVF and Reproductive Medicine Update-2019)' by Department of Obstetrics & Gynaecology, Maulana Azad Medical College & Lok Nayak Hospital. 10th February 2019. Delhi
- Chairperson for Session in 4th Maternal Fetal Medicine Workshop-Cardiotocography-Basics and its Nuances' by Department of Obstetrics & Gynaecology, Maulana Azad Medical College & Lok Nayak Hospital. 2nd March, 2019. Delhi
- Chairperson for Session in 'Update on Ovarian Tumours' by Department of Obstetrics & Gynaecology, Maulana Azad Medical College & Lok Nayak Hospital. 23rd March, 2019. Delhi
- Chairperson for session 'Breathe Easy' in FOGSI-TAIOG – Conference on Technology, Advances, Infections in Obstetrics & Gynecology. 21-23 June, 2019. Hyderabad, Telangana.
- Chairperson for Keynote address on 'Prevention and Guidelines of Unwarranted Hysterectomies ' 19th Annual Conference of Noida Obstetrics & Gynecological Society, 21st July 2019. Noida
- MENTORS in YOUTH FORUM to guide all the adolescents on Menstrual Hygiene and sustainable practices. YOUTHCON 2019: CME cum WORKSHOP on Adolescent Health and Menstrual Hygiene, School of Medical Sciences & Research, Sharda University. 27th July, 2019. Greater NOIDA.
- Chairperson for Key Note addressess in FOGSI National Congress: Breaking Silos Across Adolescence to Menopause. 10-11 August, 2019. New Delhi.
- Chairperson for"Progesterones in Miscarriage" at 33rd Annual Conference of All India Coordinating Committee Royal College of Obstetricians and Gynecologists - AICC RCOG, 5-8th September,2019. Kolkata
- Judge for eposters for Gynecology Prize at 33rd Annual Conference of All India Coordinating Committee Royal College of Obstetricians and Gynecologists - AICC RCOG, 5-8th September,2019. Kolkata
- Chairperson in Pre-congress Endoscopy Live Workshop for Session - Operative Hysteroscopy, organised by the

Department of Obstetrics & Gynaecology of UCMS – GTBH and AOGD Endoscopy Committee at 41st Annual Conference of Association of Obstetricians and Gynecologists of Delhi on 27 September 2019. New Delhi.

- Chairperson for Key Note Address in Fem-Aestheticon – Conference on Aesthetic Gynecology 2019.8-10 November, 2019. Gurugram

10. Visitors – SIM Black Travelling Fellowship:- Professor, Alifirevic Zarko (theme - Small Baby)

11.Significant events(Honours to Faculty)

1. Dr Ashok Kumar, Director Professor-
2. Delhi Medical Association (DMA) : Dr GB Jain Pawan Kumar Oration Award on the occasion of 61st Annual Delhi State Medical Conference on 24 March 2019 at New Delhi
3. Dr. Stya Paul Award 2019 for Excellence in "High Risk Pregnancy Management".
4. Dr. Mala Director Professor conferred with " State Award" for meritorious services in the field oh health by the honorable Health Minister.

12. Representation on Expert committee/Bodies-

Dr Ashok Kumar, Director Professor-

- Vice President of the Association of Obstetricians & Gynaecologists of Delhi (FOGSI) ; 2019 - 2020. DELHI
- Member of Editorial Board of Archieves of Gynecology and Obstetrics, Impact Factor of 2.090 (IF 2016), indexed in "PubMed/Medline" and "Science Citation Index Expanded/Journal Citation Report", from June 2018 onwards.
- Member of Editorial Board of Indian Journal of Medical Research, Impact Factor of 1.508; 2017 Journal Citation Reports (Clarivate Analytics, 2018): indexed in " Index Copernicus, Index Medicus for South-East Asia Region, , MEDLINE/Index Medicus, PubMed Central," from July 2018 onwards.
- Member of Departmental Research Committee of the Department of Obstt. & Gyane, Faculty of Medical Sciences, University of Delhi regarding PhD admission, 27th August, 2019 at Faculty of Medical Sciences, University of Delhi, Delhi.
- Subject Expert for Standing Selection Committee for Faculty posts at North Eastern Indira GandhiRegional Institute of Health & Medical Sciences (NEIGRIHMS) Shillong, Meghalaya. 4th October, 2019.
- Subject Expert for Standing Selection Committee at Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) for selection to regular faculty posts (Professor and Assistant Professor). Puducherry. October 21, 2019.

14. Lab data - 350 (around cycles)

IVF & Reproductive Biology Centre, Department of obstetrics and Gynecology. IVF cycles around including FET.

OPHTHALMOLOGY

Guru Nanak Eye Centre, New Delhi-110002.

1. Name of the Head of Department: Dr. Sushil Kumar

S.No.	Name of faculty	Designation
1.	Dr. Sushil Kumar	DirectorProfessor& HOD
2.	Dr. Kamlesh	Director Professor
3.	Dr. P.K. Pandey	Director Professor
4.	Dr.J.L. Goyal	DirectorProfessor
5.	Dr. Ritu Arora	Director Professor
6.	Dr. Anju Rastogi	Director Professor
7.	Dr. Usha Kaul Raina	Director Professor
8.	Dr. Kirti Singh	Director Professor
9.	Dr.Meenakshi Thakar	Director Professor
10.	Dr. Subhash Dadeya	Director Professor
11.	Dr. Ruchi Goel	Professor
12.	Dr. Punita K. Sodhi	Professor
13.	Dr. Paromita Dutta	Asstt. Professor
14.	Dr. Parul Jain	Asstt. Professor

2. **Research Scheme:**

Dr Sushil Kumar and Dr Ruchi Goel

Thesis submitted

- Surgical outcome of small osteotomy verus conventional osteotomy in external dacryocystorhinostomy.
- Role of Dynamic contrast enhanced imaging and diffusion weighted imaging in evaluation of orbital masses.

Ongoing thesis

- Changes in retrobulbar haemodynamics following orbital decompression surgery in thyroid eye disease cases.
- Evaluation of ptosis correction following closed posterior levator advancement.
- Comparative evaluation of DCR with retrograde bicanalicular intubation and conjunctivodacryocystorhinostomy in proximal canalicular blocks.
- Comparative evaluation of peribulbar steroid therapy and intravenous pulse steroid therapy in TED**.**
- Comparative evaluation of trabeculectomy in Primary open angle glaucoma and primary angle closure glaucoma.
- Assessment of ocular hemodynamics in asymmetric open angle glaucoma

Dr. P.K. Pandey

Ongoing thesis:

- Surgical outcome following lateral rectus elongation in sensory exotropia, a randomized controlled trial.

Dr Ritu Arora

Thesis submitted

Immunohistochemical study of corneal epithelial cells following autologous limbal cell transplant for chemical burns.

Ongoing thesis

- Evaluation of Quality of vision after deep anterior lambellar keratoplasty.
- Comparison of conventional occlusion and inverse occlusion in the treatment of amblyopia with eccentric fixation.
- Minimally invasive strabismus surgery versus fornex incision strabismus surgery.

Dr. Anju Rastogi

Ongoing thesis

- Evaluation of effect of botulinum toxin on strabismus associated with duane retraction syndrome.
- Comparative evaluation of unilateral two muscle versus bilateral three muscle surgery for large angle horizontal strabismus.
- Comparison of optical biometry and conventional acoustic biometry in the axial length measurement in silicone oil filled eyes.
- Comparative evaluation of four IOL Power formulae in children.
- Comparative study of bilateral versus unilateral strabismus surgery in the management of lateral incomitance in intermittent exotropia.

Dr J L Goyal

Ongoing

Comparative evaluation of efficacy of autologous serum and artificial tears in persistent corneal epithelial defects.

Dr Kirti Singh

Submitted

- Clinical outcome of phacoemulsification in visually significant cataract in angle closure glaucoma.

Ongoing thesis

- Comparative evaluation of trabeculectomy in Primary open angle glaucoma and primary angle closure glaucoma.
- Surgical outcome following lateral rectus elongation in sensory exotropia, a randomized controlled trial.
- Assessment of ocular hemodynamics in asymmetric open angle glaucoma

Dr Usha Raina

Submitted

- Comparative study of sutured versus sutureless sclera fixated IOLs .

Ongoing Thesis

- Comparative evaluation of topical cyclosporine and topical interferon alpha 2B as an adjunct to limbal conjunctival autograft in pterygium surgery

Dr Kamlesh

Submitted

- Surgical outcomes of plication vs resection in intermittent exotropia- a comparative study.

Ongoing thesis:

- Evaluation of effect of botulinum toxin on strabismus associated with duane retraction syndrome.
- Comparative evaluation of unilateral two muscle versus bilateral three muscle surgery for large angle horizontal strabismus.
- Comparative evaluation of four IOL Power formulae in children.
- Comparative study of bilateral versus unilateral strabismus surgery in the management of lateral incomitance in intermittent exotropia.

Dr Meenakshi Thakar

Ongoing

- Analysis of foveal avascular zone using spectral domain optical coherence tomography angiography in healthy Indian eyes.
- Comparison of optical biometry and conventional acoustic biometry in the axial length measurement in silicone oil filled eyes.

Dr Subhash Dadeya

Ongoing

1. Roll of low dose atropine in preventing myopia progression
2. Miss v/s fornix based conjuctival incision in squint surgery
3. Inverse occlusion v/s occlusion in treatment of amblyopia with eccentric fixation
4. Evaluation of Quality of vision after deep anterior lambellar keratoplasty.
5. Comparison of conventional occlusion and inverse occlusion in the treatment of amblyopia with eccentric fixation.
6. Minimally invasive strabismus surgery versus fornex incision strabismus surgery.

Dr Punita Sodhi

Ongoing

- Evaluation of the effect of panretinal photocoagulation in diabetic retinopathy using optical coherence tomography angiography**.**
- Evaluation of OCT parameters following sclera buckling surgery in primary rhegmatogenous retinal detachment.

Dr. Ruchi Goel:-

- Book authored `Manual of Oculoplasty`Jaypee publishers, New Delhi.
- Chapter titled `How to write a postgraduate thesis protocol` in Contemporary Perspectives on Ophthalmology, edited by By A.K. Gupta, Krishna Vaitheeswaran Elseiver publishers 2019.

Publications (state level) NIL

Ongoing thesis

- Comparative evaluation of topical cyclosporine and topical interferon alpha 2B as an adjunct to limbal conjunctival autograft in pterygium surgery

3. **Conference Attended by:**

Dr. Subhash Dadeya

1. **77th Annual conference of All India Ophthalmological Society, Indore Feb. 2019.**
2. **DOS conference at Hotel Ashoka in April, 2019.**
3. **BOA conference at Bombay in August, 2019.**
4. **SPOSI conference at Chennai in December, 2019.**
5. **AAPOS conference at Sydney in November, 2019.**
6. **Vietnam Ophthalmic society conference in October, 2019.**
7. **UPSOS conference at Lucknow in December, 2019.**

Dr Ruchi Goel

1. 77thAnnual conference of All India Ophthalmological Society, Indore Feb. 2019.
2. 30th Annual Conference of *OPAI* 6th to 8th September *2019*, Guwahati.

4. **Significant Events (Honors to Faculty)**

Dr. Subhash Dadeya

- **Elected vice president of Delhi Ophthalmic Society**

Dr. Ruchi Goel

- FAICO(Oculoplasty) awarded at 77th All India Ophthalmological Conference, 2019 Indore**.**
- Co author of free paper titled `Role of Dynamic contrast magnetic resonance enhanced imaging in slow flow vascular malformations of the orbit`. Third prize in Delhi imaging update 2019 on 16-17 Feb 2019.
- Co author of Best free paper award under oculoplasty and oncology session for paper titled `Orbital Castleman`s disease – a great mimic` presented at Winter DOS 2019.
- Co author of Best free paper award under oculoplasty and oncology session for paper titled ` Comparative evaluation of Surgical outcome of small osteotomy verusconventional osteotomy inexternal dacryocystorhinostomy ` presented at Winter DOS 2019.

5. **Lab Data:**

a) Name of the Lab: Pathology

b) Name and no. of the test perform during the year:

S.No.	Name of the Test	Total Number of Test	S.No.	Name of the Test	Total Number of Test
1.	Hemoglobin	5235	2.	Urine routine	2300
3.	TLC	2980	4.	Blood sugar	30277
5.	DLC	2980	6.	Histopathology	NiL
7.	ESR	2244	8.	Conj. Swabs	1516
9.	BT/CT	1072	10.	Corneal scrapping	120
11.	CRT	NIL	12.	KOH	126
13.	P/S	28	14.	Gram's staining	1950
15.	Sterile fluids	08	16.	Electrolyte K+	1156
17.	Pus. C/S	40	18.	Electrolyte Ca+	1156
19.	Urine C/S	33	20.	Urea	1225
21.	O T Sample	02	22.	Creatinine	1225
23.	MP	02	24.	Lipid Profile HDL	907
25.	Plt. Count	82	26.	Lipid profile TG	907
27.	AEC	10	28.	Lipid Profile Cholesterol	907
29.	Na+ electrolyte	1156	30.	Hemotocrit	978
31.	RBC count	978	32.	MCV	978
33.	MCH	978	34.	MCHC	978
35.	RDW-CV	978	36.		
	Total - 65,512				

17. New facility added (if any) : Hospital Cornea Retrieval

ORTHOPAEDICS

1. Name of the Head of the Department : Dir-Prof Dr. Vinod Kumar

S.No	Name of Faculty	Designation
1	Dr.Ajay Gupta	Director-Professor
2	Dr.V.K.Gautam	Director-Professor
3	Dr.Manoj Kumar	Director-Professor
4	Dr.Vinod Kumar	Director-Professor
5	Dr.Sumit Sural	Director-Professor
6	Dr.Lalit Maini	Director-Professor
7	Dr.Abhishek Kashyap	Professor
8	Dr.Sumit Arora	Associate Professor
9	Dr.Dhananjay Sabat	Associate Professor
10	Dr.Vineet Dabas	Associate Professor
11	Dr.Ved Pal Yadav	Associate Professor
12	Dr.Tarun Suri	Associate Professor
13	Dr.Pritish Singh	Associate Professor
14	Dr.Satish Sharma	CMO SAG
15	Dr.Ajay Bahl	CMO SAG

2. Members who have left during the period :
Dr.Anil Dhal, Director Professor

3. **Additions to the faculty during the period :**
Dr. Satish Sharma, CMO SAG
Dr. Ajay Bahl, CMO SAG

4. Research Scheme

Dr.Vinod Kumar

i. Prospective study to evaluate Clinicoradiological outcome of arthroscopic all inside double Bundle Acl reconstruction using autogenous semitendinosus graft using TRI- LINK technique
ii. Prospective study for Comparative evaluation of interlaminar endoscopic discectomy and open discectomy for lumbar disc herniation
iii. Clinico-Radiological Outcomes of Arthroscopic All Inside Anterior Cruciate Ligament
iv. Reconstruction By Single Tibial And Double Femoral Socket Technique Using Autogenous Semitendinosus Graft
v. Clinicoradiological evaluation of Arthroscopic PCL reconstruction using autogenous Peroneus Longus graft by all inside technique.
vi. Evaluation of accuracy of software guided external fixator in bony alignment of long bone deformities of lower limb

Dr.Lalit Maini :

i. Evaluation of 3 D planning in surgical management of bone tumors
ii. Evaluation of pedicle screw placement using a patient specific 3 D printed jig
iii. Evaluation of computer aided quadrilateral plate fixation for acetabular fracture using Stoppa approach
iv. Morphological analysis of femoral head and its co relation with clinic- Radiological presentation in Osteonecrosis of Hip

Dr.Sumit Sural :

i. Comparative study of outcome of hip fractures treated with and without platelet rich fibrin.
ii. Comparative Assessment Of Different Scoring Systems Of Degenerative Lumbar Spinal Stenosis And Their Correlation With Radiological Parameters.
iii. Evaluation of follow up patients of spinal tuberculosis who have completed 9-12 months of antitubercular therapy – a descriptive study.

iv. Comparative Study between Standard Betadine dressing and PRF soaked dressing in open tibia fracture and also to assess the effectiveness of PRF in fracture healing.

Dr.Vineet Dabas :

i. To evaluate the efficacy of daily vitamin D therapy versus stoss therapy in nutritional in Indian children a randomized controlled trail (Jan 2018).

ii. A Randomized Double Blind Controlled Trial to Investigate the Effects of Vitamin D fortified milk on calcium-vitamin D-parathyroid hormone axis in school children, aged 10-14 years (Aug 2019).

Details of thesis completed during current year.

S.No	Name of Faculty	Title of Thesis
1.	Dr Anil Dhal	i. Evaluation of outcome of end to end nerve repair with or without amniotic membrane – a comparative study ii. A comparative study for evaluation of outcomes of end to end tendon repair with or without amniotic membrane
2.	Dr.Ajay Gupta	i. To study surgical outcome of the endoscopic decompression in patients with lumbar spinal stenosis and its correlation with the severity of stenosis and symptoms ii. Evaluation of screw placement in percutaneous fixation of acute scaphoid fractures using distal dorso-radial entry point
3.	Dr.V.K.Gautam	i. Comparative evaluation of acetabularanteversion angle in total hip arthroplasty on AP radiograph versus CT Scan ii. Clinico-radiological outcomes after lateral opening wedge osteotomy in genu valgum
4.	Supervisor : Dr.Manoj Kumar Co-Supervisor : Dr.Sumit Arora	i. Evaluation of proximal fibular osteotomy in medial compartment varus osteoarthritis of knee ii. A comparative study on antibiotic prophylaxis versus non-antibiotic prophylaxis for prevention of surgical site infections in surgeries for fractures around hip
5.	Dr.Vinod Kumar	**i.** Clinico-radiological outcomes of **All inside ACL reconstruction using small length bony sockets.** **ii.** Prospective study to evaluate **clinicoradiological outcomes of arthroscopic labral repair in anterior labral tear using all suture anchor.** **iii. Co-Guide :** **iv. Prospective study on Role of ultrasonography in evaluation of various soft tissue abnormalities causing elbow pain**
6.	Supervisor: Dr. Sumit Sural Co-Supervisor : Dr. Sumit Sural MD Radiology Master in Prosthetics and Orthotics (DDUIPH, Delhi Univ.)	i) Co-relation study between clinicodemographic profile and bacterial drug resistance in musculoskeletal tuberculosis ii) Comparative study of instrumented anterolateral versus transpedicular decompression in spinal tuberculosis i. High Resolution 3 Tesla MRI in the evaluation of wrist pain. ii. Virtual Prototyping of an Improvised Mechanical Ankle Joint to be used in Polypropylene Orthosis: A Pilot Study.
7.	Dr.Lalit Maini	i. Evaluation of acetabular contour & its comparison with anatomical acetabular plates for fracture fixation. (Guide) Dr.Raj Kumar 2017-19 ii. Estimation of Anterior pelvic &acetabular plane in Indian population and it's significance for cup placement in total hip replacement. (Guide) Dr.AbhayMeena 2017 – 19. iii. Evaluation of outcomes of end to end nerve repair with or without amniotic membrane – a comparative study. (Co guide) Dr.Pulkit Kalra 2017-19. iv. A comparative study for evaluation of outcome of end to end tendon repair with or without amniotic membrane. (Co Guide) Dr.Saket Prakash 2017-19

5. Trainees from other agencies :

1. Post graduate Diploma course in Geriatric Medicine under the aegis of IGNOU, New Delhi.

6. Training courses / conferences / workshops organized :

a. **21st MAMC PG Orthopaedics Instructional course** held at GB Pant hospital Auditorium on 25th to 28th Nov 2019. Chairperson Dr.Vinod Kumar, Organizing Secretary ; Dr.Sumit Sural and Dr.Lalit Maini, Joint Organizing Secretary Dr.Abhishek Kashyap and Dr.Sumit Arora.

b. **Basic Spine Course Workshop on 10th February, 2019, Lecture theatre,6th Floor, Orthopaedics Block, MAMC.**

c. **Computer Assisted Deformity Correction Course, 19th January 2019. Organizing Secretary ; Dr.Pritish Singh.**

d. A symposium on **Medico-Legal Seminar-2019 under aegis of Delhi Orthopaedics Association** was held on 21st September 2019 at **MAMC, Delhi with Dr Vinod Kumar as** Executive Chairperson.

e. **IFASCON- 2019 Cadaveric workshop on surgery around foot and ankle** on 29th August 2019 at **MAMC, Delhi**. Organizing Chairperson : Dr.Vinod Kumar Co-Organizing Secretary – Dr Abhishek Kashyap, Dr Dhananjay Sabat, Dr.Pritish Singh

7. **Publication during the period**

1. Ashwini Kumari, Sapna Singh, Anju Garg, Anjali Prakash, **Sumit Sural.** Tingling hand : magnetic resonance imaging of median nerve pathologies within the carpal tunnel. Pol J Radiol. 2019; 84: e484-e490.
2. Dhanjani B, Prakash S, **Maini L**. Letter on papers J OrthopSurg (Hong Kong). 2019 Jan-Apr;27(1).
3. Dutt S, Joshi D, **Kumar V.** synovial chondromatosis of ankle and its arthroscopic management: A case report and review of literature. Journal of arthroscopy and joint surgery. 2019.(In Press).
4. Dutt S, **Kumar V.** A comparative study of anatomical single bundle anterior cruciate ligament reconstruction using femoral offset aimer versus freehand technique for femoral tunnel preparation. Eur J Orthop surg traumatol: Nov 2019(16):1-7.
5. Kambhampati SB, **Maini L**.Formatting references for scientificmanuscripts. Indian J Orthop 2019;53:381-3.
6. Khan Y, Prakash S, Kalra P, Arora S, Dhal A. Early selective nerve decompression in leprosy. J Hand Surg Asia-Pacific. 2019 {accepted for publication.
7. Kumar M, Arora S. Common peroneal nerve: the 'chui-mui' nerve. Turk J Phy Med Rehab. 2019 {accepted for publication.
8. Mallya V, Gupta L, Khurana N, **Maini L**. Spontaneous regression of giant cell tumor of the wrist: Myth or fact? A case report.Indian J PatholMicrobiol. 2019 Apr-Jun;62(2):346-348
9. Mishra A, Verma T, Vaish A, Vaish R, Vaishya R, **Maini L.** Virtual preoperative planning and 3D printing are valuable for the management of complex orthopaedic trauma. Chin J Traumatol. 2019 Dec;22(6):350-355.
10. Poduval M, **Maini L**. Heralding Change: The Evolution of the IJO in 2019.Indian J Orthop. 2019 Nov-Dec;53(6):679-681
11. Sabat D, Sehrawat R, **Kumar V.** A Percutaneous Technique to Reposition the Cortical Button of Adjustable-Loop Devices in Anterior Cruciate Ligament Reconstruction. Arthroscopy,2019: 8(11) e1273-e127.
12. Sharma A, Lodhi JS, Lingaiah P, Kumar A, Arora S. An unusual presentation of Hemophilia A: pseudotumor of distal end radius- masquerading as giant cell tumor. J Hand Microsurg. 2019;11(Suppl 1):S11-S15.
13. Verma T, Mishra A, Agarwal G, Maini L. Idiopathic Tumourcalcinosis in foot. Journal of Clinical Orthopaedics. 2019 July- Dec; 4(2):16-21.

8. Books/ chapters contributed :

1. Dr. Lalit Maini has contributed a two chapters in a book on Medical update on 3 D Printing Edited by Dr. Raju Vaishya & Dr.Lalit Maini of Publisher Salubris
2. A Book on Medical update on 3 D Printing for practicing doctors has been edited by Dr.Raju Vaishya and Dr.Lalit Maini

9. Conferences / Workshops / Symposia attended :

Dr.Vinod Kumar :

1. Attended IOCON Kolkata 2019, 64th Annual conference of THE INDIAN ORTHOPAEDIC ASSOCIATION held on Nov 19-24th 2019.

2. Attended Advanced Shoulder Arthroscopic Conclave held on 14th Dec 2019 ,at Hotel Royal Plaza, New Delhi.
3. Attended 40th SICOT World Orthopaedic Congress held from 4th -7th Dec. 2019 in Muscat, Oman.
4. Attended 21st MAMC Orthopaedics PG Instructional course held on 25th to 29th nov at GB Pant hospital, New Delhi.
5. Attended 1st SHOULDER ARTHROSCOPY COURSE held at AIIMS Rishikesh on 16th-17th nov,2019.
6. Attended Annual conference of Delhi Orthopaedic association in hotel Crowne plaza, Delhi on 9th -10th November , 2019
7. Attended 6th Annual conference of Indian Cartilage society in Mumbai on 1st – 2nd November , 2019
8. Attendee MEERUT KNEE AND SHOULDER CONCLAVE 2019 in Meerut, UP on 6th October , 2019
9. Attended DELHI ORTHOPAEDICS ASSOCIATION 3RD QUATERLY MEET 2019 in Sir Ganga ram hospital, New Delhi on 29th Sep 2019.
10. Attended 18th Annual conference of INDIAN ARTHROSCOPY SOCIETY in Indore, Madhya Pradesh on 27-28th Sep 2019.
11. Attended Indian Foot and Ankle Society Conference-2019(IFASCON-2019) from 30th Aug-1st Sep 2019.
12. Attended Mid Year Conference of Delhi Orthopaedics Association on7th july 2019 at Jamia Hamdard campus, Delhi.
13. Attended 3rd International Conference on Clinical Spine and Orthopaedics Biomechanics on 26th April 2019 at Indian spinal injury centre, Delhi.

Dr.Sumit Sural :

1) Attended IOCON Kolkata 2019, 64th Annual conference of The Indian Orthopaedic Association held on Nov 19-24th 2019.

Dr.Lalit Maini :

1. The Editorial Process. 3rd JCOT IJO scientific writing course, Feb2019
2. Posterior reduction and fixation in acetabular fractures. Jharkhand Orthopaedic Association Annual Conference March 2019, Ranchi
3. 3 d printing Applications in Orthopaedics March 2019 Bhopal Orthopaedic Association Quarterly Meet, Bhopal
4. Ideation and manufacturing orthopaedic implants Panel Expert. Symposium on Clinical Biomechanics. April 2019. ISIC Delhi
5. Process of 3 D printing. Baroda Orthopaedic Association May 2019
6. 3 D printing in spine speciality Baroda Orthopaedic Association May 2019
7. How to generate a research question? Baroda Orthopaedic Association May 2019
8. Management of femoral Head Fractures, Advanced Trauma Course AIIMS Delhi , June 2019.
9. Trochantric flip osteotomy the surgical technique, DOA osteotomy Course, July 2019.
10. Intra articular knee osteotomy in neglected tibial plateau fractures, DOA osteotomy , July 2019
11. 3 D printing in planning osteotomies and deformity correction, DOA osteotomy Course , July 2019.
12. Management of malunited tibial plateau fractures, MIDCON of DOA, July 2019.
13. How to arrive to a research question? OJOT – IJO CME on Research Methodology, July 2019, Cuttack.
14. How to write introduction and methodology? OJOT – IJO CME on Research Methodology, July 2019, Cuttack.
15. How to choose a journal for your manuscript? OJOT – IJO CME on Research Methodology, July 2019, Cuttack.
16. Virtual planning and 3 D printing in Orthopaedics, MSK CME, August 2019.
17. The structure of a scientific manuscript. SICOT India meet, Mumbai, September 2019
18. 3 D printing applications in Orthopaedics. SICOT India meet, Mumbai, September 2019.
19. Basics of Total Hip arthroplasty and Hip Biomechanics, PG Course Gangaram Hospital, September 2019.
20. Post traumatic Instability of Knee, bony cause. Annual Conference of DOA, November 2019.
21. How to arrive to a research question ? Annual Conference Indian Orthopaedic Association, Kolkotta, November 2019.
22. Basics of Hip Biomechanics XXIst MAMC PGCourse, November 2019
23. Applications of 3 D printing in Orthopaedics, 17th December 2019, Pondicherry Orthopaedic Association, Monthly Meet

Dr Pritish Singh

1. Jan.4-8, 2019, Posicon, pediatrics orthopaedics society of India , renencence convention centre, Mumbai
2. DOA osteotomy symposium , June 30,2019 , hotel Vivanta , new Delhi

10. VISITORS

1. Dr. Leonid Solomin , inventor of Ortho-SUV frame , an software guided external fixator visited the department and delivered a talk of about his invention on Jan.13.2019
2. Dr Sandeep Kohli , Orthopaedic surgen in UK delivered talk on "Surgeon education in National Health Services" Jan.18.2019
3. Dr Vikrant Azad , Orthopaedic Surgeon USA delivered talk on "Record Keeping in Orthopaedics" on June.21.2019
4. Dr Kapil Kumar, Orthoapedic Surgeon in Aberdeen, UK delivered guest lecture on "Shoulder Trauma "on Aug.2.2019

SIGNIFICANT EVENTS (Honors to Faculty)

Dr.Vinod Kumar

i. Delivered a Guest Lecture on Subscapularis tear: Managing Hidden Lesion at **Advanced Shoulder Arthroscopic conclave** held on 14th Dec 2019 at hotel Royal Plaza ,New Delhi.

ii. Delivered a Guest Lecture on Arthroscopic Single row VS Double row rotator cuff repair (In favour of single row repair) at **Advanced Shoulder Arthroscopic conclave** held on 14th Dec 2019 at hotel Royal Plaza ,New Delhi.

iii. Delivered a lecture on KNEE INSTABILITY CASE APPROACH at 21st MAMC PG ORTHO instructional course held at GB Pant hospital on 26th NOV 2019.

iv. Delivered a Guest lecture on **PCL avulsion relive surgery** held at **64th IOACON** at Kolkata on 23rd Nov 2019.

v. Delivered a Guest lecture on SUBSCAPULARIS TEAR-MANAGING THE HIDDEN LESION at 1st**SHOULDER ARTHROSCOPY COURSE** held at AIIMS Rishikesh on 17th NOV,2019.

vi. Delivered a Guest lecture on ARTHROSCOPIC BANKART REPAIR & OPEN BONE GRAFTING at 1st**SHOULDER ARTHROSCOPY COURSE** held at AIIMS Rishikesh on 17th NOV, 2019.

vii. Delivered a Guest lecture on **BMAC: Indications and Results** on **6th Annual conference of Indian Cartilage society** in Mumbai on 1st November, 2019.

viii. Delivered a lecture on unicondylar knee arthroplasty **in MEERUTKNEE AND SHOULDER CONCLAVE 2019** in Meerut, UP on 6th October, 2019.

ix. Delivered a lecture on "HIGH TIBIAL OSTEOTOMY IN OSTEOARTHRITIS KNEE" at **DELHI ORTHOPAEDICS ASSOCIATION 3RD QUATERLY MEET 2019 in Sir Ganga ram hospital, New Delhi** on 29th Sep 2019.

x. Delivered a lecture on "HAGLUND SYNDROME" on **18th Annual conference of INDIAN ARTHROSCOPY SOCIETY in Indore, Madhya Pradesh** on 27-28th Sep 2019.

xi. Delivered a lecture on "Neglected Multi-ligamentous Injuries Of Knee Joint" at **Mid Year Conference of Delhi Orthopaedics Association** on 7th July 2019 at **Jamia Hamdard campus, Delhi.**

xii. Delivered a lecture on "High tibial osteotomy in knee instability" at **DOA Osteotomy symposium** on 30th june 2019 at **Hotel Taj vivanta, Delhi.**

xiii. Delivered a lecture on "Clinical examination of deformity at knee joint" at at **IOA and Sir Ganga Ram hospital post graduate teaching program-2019** on 28th June 2019 a**t Sir Ganga Ram hospital, Delhi.**

xiv. Delivered a lecture on "Biomechanics of single vs double bundle ACL reconstruction and my indications for each" at **3rd International Conference on Clinical Spine and Orthopaedics Biomechanics** on 26th April 2019 at **Indian spinal injury centre, Delhi.**

Chairperson during the session

1. Chaired a session as Expert panelist in session on **SPORTS MEDICINE** at **64TH IOACON** held at Kolkata on 23rd Nov 2019.
2. Chaired a session as **Expert panelist** in session on **SYMPOSIUM REMNANT PRESERVING ACL& PCL –PROS &CONS** at **64TH IOACON** held at Kolkata on 23rd Nov 2019.
3. Chaired a session of **shoulder pathologies** in **Annual conference of Delhi Orthopaedic association** in hotel Crowne plaza, Delhi on 9th -10th November , 2019.
4. Chaired a session on Knee Arthroscopy in **DELHI ORTHOPAEDICS ASSOCIATION 3RD QUATERLY MEET 2019 in Sir Ganga ram hospital, New Delhi** on 29th Sep 2019.
5. Chaired a Free Paper Session in **18th Annual conference of INDIAN ARTHROSCOPY SOCIETY in Indore, Madhya Pradesh** on 27th Sep 2019.
6. Chaired a Free Paper Session in **18th Annual conference of INDIAN ARTHROSCOPY SOCIETY in Indore, Madhya Pradesh** on 28th Sep 2019.

7. Chaired a session on Minimal invasive surgical techniques in foot and ankle surgery at **IFASCON-2019** on 1st September 2019 at **Le Meridien, New Delhi.**
8. Chaired a session on Ankle Impingement and Talar OCD at **IFASCON-2019** on 31th August 2019 at **Le Meridien, New Delhi.**
9. Chaired a session on Neglected multiligamentous injuries of knee joint at **Mid Year Conference of Delhi Orthopaedics Association** on 7th july 2019 at **Jamia Hamdard campus, Delhi.**
10. Chaired a session on long cases hip – discussion at **IOA and Sir Ganga Ram hospital post graduate teaching program-2019** on 28th June, 2019 at **Sir Ganga Ram hospital, New Delhi.**
11. Chaired a session on knee cases discussion at **IOA and Sir Ganga Ram hospital post graduate teaching program-2019** on 28th June, 2019 at **Sir Ganga Ram hospital, New Delhi.**
12. Chaired a session on short cases discussion at **IOA and Sir Ganga Ram hospital post graduate teaching program-2019** on 28th June, 2019 at **Sir Ganga Ram hospital, New Delhi.**
13. Chaired a session on foot and ankle case discussion at **IOA and Sir Ganga Ram hospital post graduate teaching program-2019** on 28th June, 2019 at **Sir Ganga Ram hospital, New Delhi.**
14. Chaired a session on Sports Biomechanics at **3rd International Conference on Clinical Spine and Orthopaedics Biomechanics** on 26th April 2019 at **Indian spinal injury centre, Delhi.**

Expert Panelist

1) Chaired as Expert Panelist on **Difficult Shoulder cases** at **Advanced Shoulder Arthroscopic conclave** held on 14th Dec 2019 at hotel Royal Plaza ,New Delhi.

2) Chaired as Expert panellist on **SHOULDER INSTABILITY CASE BASED DISCUSSION** at **64th IOACON** held at Kolkata on 23rd Nov.

3) Chaired a session as **Expert panellist** in session on "Difficult knee cases" at **DOA Osteotomy symposium** on 30th June 2019 at **Hotel Taj vivanta, Delhi**

4) Chaired a session as **Expert panellist** in session on Failure in ACL Reconstruction at **3rd International Conference on Clinical Spine and Orthopaedics Biomechanics** on 26th April 2019 at **Indian spinal injury centre, Delhi**

Master technique surgical demonstration

1. Moderated Live surgery on Shoulder Arthroscopy held at 1st ARTHROSCOPY COURSE**,**AIIMS Rishikesh on 16th-17th NOV,2019.
2. Demonstrated **ARTHROSCOPIC MENISECTOMY OF KNEE AT MEERUTKNEE AND SHOULDER CONCLAVE 2019** in Meerut, UP on 6th October , 2019
3. MODERATED **ARTHROSCOPIC ACL RECONSTRUCTION OF ACL AT MEERUTKNEE AND SHOULDER CONCLAVE 2019** in Meerut, UP on 6th October, 2019.
4. Demonstrated Cadeveric **Anterolateral approach to tibial plateau** on 2th March 2019 **at 2nd Surgical Instructional Caderveric Course** at Department of Orthopaedics CIO Safdurjung Hospital, Delhi.
5. Demonstrated Cadeveric **Posteromedial approach to tibial plateau** on 2th March 2019 at **2nd Surgical Instructional Caderveric Course** at Department of Orthopaedics CIO Safdurjung Hospital, Delhi.

Dr.Sumit Sural :

1) Delivered Faculty Lecture on 'Thoracolumbar fracture and treatment' at Basic Spine Workshop at MAMC, 10th February, 2019.
2) Faculty at MAMC Orthopaedics PG Course 25th-28th Nov, 2019, conducted the ward rounds session and Delivered lecture on Spine Examination and participated in case discussions.
3) Invited Guest Faculty, PG Course Shimla, 13-15 April, 2019. Lecture on Orthopaedic Radiology, Ward Rounds and Instruments. Participated in case discussions.
4) Invited as Faculty and delivered Lecture on Normal and Pathological Gait and Orthopaedic Instruments at Sir Ganga Ram Hospital, Indian Orthopaedic Association Post Graduate Teaching Program , 28-30th June,2019.
5) Faculty for communication skills session at PGMET cell. MAMC.
6) Faculty Acute Critical Course at PGMET cell. MAMC.
7) Delivered Guest Lecture on Bone and Joint Tuberculosis as Faculty in CME on Cutaneaous tuberculosis : A Multidisciplinary Approach jointly organized by Department of Dermatology & Chest Clinic (TB) on 28th July, 2019.
8) Delivered Guest Lecture at Surgery Update on Advances in Limb Prosthesis on 28th Sep, 2019.

9) Invited as Faculty and delivered Guest Lecture PG Course IOACON on 19-20th Nov, 2019–Spine Examination, Ward Rounds. Conducted short cases.
10) Delivered Faculty lecture at IOACON 23rd Nov, 2019. Chaired Session at IOACON on 23rd Nov, 2019.
11) Facilitated a session of working group on strategic priorities for the State Action Plan on Antimicrobial Resistance at Workshop on 26-27th August, 2019.

Dr.Lalit Maini :

1. Awarded : Ghaziabad Oration of Central Zone of Indian Orthopaedic Association, Annual Conference at Raipur, October 2019.
2. The Editorial Process. 3rd JCOT IJO scientific writing course, Feb2019
3. Posterior reduction and fixation in acetabular fractures. Jharkhand Orthopaedic Association Annual Conference March 2019, Ranchi
4. 3 d printing Applications in Orthopaedics March 2019 Bhopal Orthopaedic Association Quarterly Meet, Bhopal
5. Ideation and manufacturing orthopaedic implants Panel Expert. Symposium on Clinical Biomechanics. April 2019. ISIC Delhi
6. Process of 3 D printing. Baroda Orthopaedic Association May 2019
7. 3 D printing in spine speciality Baroda Orthopaedic Association May 2019
8. How to generate a research question? Baroda Orthopaedic Association May 2019
9. Management of femoral Head Fractures, Advanced Trauma Course AIIMS Delhi , June 2019.
10. Trochantric flip osteotomy the surgical technique, DOA osteotomy Course, July 2019.
11. Intra articular knee osteotomy in neglected tibial plateau fractures, DOA osteotomy , July 2019
12. 3 D printing in planning osteotomies and deformity correction, DOA osteotomy Course , July 2019.
13. Management of malunitedtibial plateau fractures, MIDCON of DOA, July 2019.
14. How to arrive to a research question? OJOT – IJO CME on Research Methodology, July 2019, Cuttack.
15. How to write introduction and methodology? OJOT – IJO CME on Research Methodology, July 2019, Cuttack.
16. How to choose a journal for your manuscript? OJOT – IJO CME on Research Methodology, July 2019, Cuttack.
17. Virtual planning and 3 D printing in Orthopaedics, MSK CME, August 2019.
18. The structure of a scientific manuscript. SICOT India meet, Mumbai, September 2019
19. 3 D printing applications in Orthopaedics. SICOT India meet, Mumbai, September 2019.
20. Basics of Total Hip arthroplasty and Hip Biomechanics, PG Course Gangaram Hospital, September 2019.
21. Post traumatic Instability of Knee, bony cause. Annual Conference of DOA, November 2019.
22. How to arrive to a research question ? Annual Conference Indian Orthopaedic Association, Kolkotta, November 2019.
23. Basics of Hip Biomechanics XXIst MAMC PGCourse, November 2019
24. Applications of 3 D printing in Orthopaedics, 17th December 2019, Pondicherry Orthopaedic Association, Monthly Meet.

Dr.Sumit Arora :

1) Delivered the lecture on 'Research Methodology' during MAMC Ortho PG Course on 27th Nov 2019

Dr.Dhananjay Sabat :

1) "Arthroscopy of Ankle" IFASCON Preconference Foot & Ankle workshop.
2) Arthroscopy Conclave 2019, KGMU, Lucknow, 10-11 august,2019. Panelist in rotator cuff session, demonstrator in cadaveric course knee.
3) Knee & Shoulder Conclave, 6/10/ 2019 Saini Hospital, Merut. "PCL and lateral side injury of Knee", moderator and panelist.
4) 1st Shoulder Arthroscopy Update, AIIMS, Rishikesh, 16-17 Nov 2019. talk on "Irrepairable Cuff Tears".
5) Quiz Master for DOA Midcon 2019 at HIMS.
6) IOACON 2019 Kolkata23.11.2019; talk on 'Biologics in ACL Reconstruction", Panelist in Meniscus session.
7) MAMC PG Course 2018, talk on "Shoulder Examination".
8) Invited talk "Patterns of cuff tear" at Stryker Anchor advantage Meet the masters Meet;on 14.12.2019

Dr Pritish Singh

1. My early experience with Ortho SUV , computer assisted deformity correction using Ortho-SUV, jan.13.2019, MAMC, delhi
2. Delhi orthopaedic association ilizarov course -2019 , hotel Vivanta ambassador , new Delhi)

3. Infected gap nonunion tibia - case tips and tricks (Ilizarov simplified , 21 April 2019, Delhi orthopaedic association ilizarov course -2019 , hotel Vivanta ambassador , new Delhi)
4. The cases which taught me most.(Asami India National basic ilizarov and deformity correction course , june8-9 2019, ganga ram hospital new Delhi)
5. Table instructor in workshop (Asami India National basic ilizarov and deformity correction course , june8-9 2019, ganga ram hospital new Delhi)
6. Invited faculty in Advanced deformity correction using Ortho SUV frame at Ganga Ram hospital , New Delhi , July 27-28,2019
7. Invited faculty in advanced deformity correction course , Ganga Ram hospital , sept 1 2019,lecture .." the cases which tought me most- frontal plane deformity "
8. Invited faculty in DOA basic trauma course 2019, hotel metropolitan , Delhi , dec.22.2019 (table instructor)
9. Invited lecture on cases which teach in external fixation. In DOA basic trauma course 2019, hotel metropolitan , Delhi , dec.22.2019
10. Delivered the lecture on 'Current updates in Infected nonunion' during MAMC Ortho PG Course on 27th Nov 2019
11. Session moderator
12. Session on external fixation in DOA basic trauma course 2019, hotel metropolitan , Delhi , dec.22.2019

Dr.Sumit Arora : Awarded MRCPS by Royal College of Physicians and Surgeons (Glasgow) on 29th Nov 2019.

13. Representation on expert committees/bodies

Dr.Vinod Kumar

i. **Dr Vinod Kumar** was nominated by the **Indian cartilage society** as member of Executive council of Indian cartilage society for year 2019-2020.

Dr.Sumit Sural :

1. Member, Institutional Ethical Committee, MAMC
2. Expert member Executive committee and Disciplinary Committee of Delhi Medical Council.
3. Appointed Assessor for accreditation of DNB Orthopaedics courses at NBE institutions.
4. Member, Delhi State Operation Research Committee, RNTCP
5. Member Core Committee, MAMC,RNTCP.
6. Member of Orthopaedic Instruments, Implants and Accessories Sectional Committee, Medical Equipment and Hospital Planning Department, Bureau of Indian Standards.
7. Medico-legal cases of Lok Nayak Hospital, attended the courts for MACT cases.
8. Member Board Assessment of Disability for Driving License.
9. Member Board, LNH, for Examination of Court cases / Medico legal & Jail cases.
10. Nominated by the Ministry of Health and Family Welfare, Government of India as Faculty for "Training of Trainers" programme on Occupational and Environmental Health for Medical Officers conducted at NIHFW on 25th February to 2nd March, 2019 and 25th July, 2019.

Dr.Lalit Maini :

1) Editor Indian Journal of Orthopaedics , the official publication of Indian Orthopaedic association
2) President Elect, Delhi Orthopaedic Association
3) Member, Innovations committee Indian Orthopaedic Association
4) Executive Editor, Journal of Clinical Orthopaedics and Trauma , the official Publication of Delhi Orthopaedic Association
5) Chairman, International Society for Knowledge for Surgeons on Arthroscopy &Arthoplasty
6) Executive Editor Journal of Arthroscopy & Joint surgery

Dr.Sumit Arora :

1. Expert member in the committee for enquiry of medical negligence
2. Purchase officer for department of orthopaedics
3. Member of disability board

Dr Pritish Singh :

1) ASAMI India –Delhi state representative

14. Health services to the community :
Health centre activities / camps / drives / national programmes etc.

15. Any other worth mentioning information.

Dr.Sumit Sural
Reviewer of following Journals :
a) Indian Journal of Orthopaedics
b) Indian Journal of Tuberculosis
c) Journal of Clinical Orthopaedics and Trauma
d) MAMC Journal of Medical Sciences

Examiner :
1) MS Ortho Examiner, Amritsar Medical College, Baba Farid University,18-19 June, 2019.
2) DNB Ortho examiner, HOSMAT, Bangalore, April 25-27,2019.
3) Moderation of Theory papers of DNB Ortho for NBE
4) Evaluation of thesis of DNB Ortho for NBE

Dr.Sumit Arora :
1. Question paper setter for MS Orthopaedics examination for Gujrat University
2. External examiner for MBBS examination in BFUHS, Faridkot

PAEDIATRCS

Name of the Head of Department: Prof. : **DR. URMILA JHAMB**

1. Faculty

S.No	Name of Faculty	Designation
1	Dr. Urmila Jhamb	Dir. Professor & Head
2	Dr Sangeeta Yadav	Dir. Professor
3	Dr. Monica Juneja	Dir. Professor
4	Dr. K. Rajeshwari	Dir. Professor
5	Dr. Seema Kapoor	Dir. Professor
6	Dr. Mukta Mantan	Professor
7	Dr. Devendra Mishra	Professor
8	Dr. Anurag Agarwal	Associate Professor
9	Dr. Aashima Dabas	Associate Professor
10	Dr. Rahul Jain	Associate Professor
11	Dr. Raghvendra Singh	Associate Professor
12	Dr. Deepak Kumar	Associate Professor
13	Dr. Romit Saxena	Asstt. Professor
14	Dr. Swarnim	Asstt. Professor
15	Dr. Puneet Kaur Sahi	Asstt. Professor
16	Dr. Meenakshi Bothra	Asstt. Professor
17	Dr. Pallavi	Asstt. Professor
18	Dr. Arpita Gupta	Asstt. Professor

2. Members who have left during the period:

S.No.	*Name of Faculty*	*Designation*	*Reason for leaving the job*
1.	Harpreet Mehr	Assistant Prof. (Cl.Psychology)	Major Illness in the Family

3. Additions to the Faculty during the period:

S.No.	*Name of Faculty*	*Designation*	*Whether newly joined/promotion*
1	Dr. Romit Saxena	Asstt. Professor	Newly Joined
2	Dr. Swarnim	Asstt. Professor	Newly Joined
3	Dr. Puneet Kaur Sahi	Asstt. Professor	Newly Joined
4	Dr. Meenakshi Bothra	Asstt. Professor	Newly Joined
5	Dr. Pallavi	Asstt. Professor	Newly Joined
6	Dr. Arpita Gupta	Asstt. Professor	Newly Joined

4. Research Scheme

(a) Ongoing projects

Dr. U. Jhamb	Co investigator for DST project on Development of a point-of-care (POC) diagnostic panel for rapid detection and stratification of bacterial septicemia in critically-ill patients
Dr. U. Jhamb	Principal Investigator for project on Zinc sepsis study.
Dr. S. Yadav	Principal Investigator for 'Zinc as an adjunct for the treatment of clinical severe infection in infants younger than 2 months'
Dr. S. Yadav	Principal Investigator for 'MAASS Study: Multicenter Active AEFI Sentinel Surveillance in India (MAASS-INDIA)'
Dr. M. Juneja	Development of an artificial intelligence based digital platform to screen children for autism spectrum disorder (ASD)
Dr. M. Juneja	Site Investigator for 'Communication centred parent mediated treatment for autism spectrum disorder in south Asia (COMPASS)'

Dr. Seema Kapoor	Co-ordinator for ongoing project by Govt. of NCT, Delhi on "Antenatal screening of women for thalassemia status".
Dr. Seema Kapoor	Principal Investigator for "Establishment of Biodosimetry Lab at Genetic Unit, Department of Pediatrics, MAMC, New Delhi and liasoning with Biodosimetry Lab of INMAS for validity of results"
Dr. Seema Kapoor	Project Co-ordinator for "Prenatal screening initiative by dried blood spots: role for triaging and resource utilization"
Dr. Seema Kapoor	Principal Investigator for "Biomarkers for early diagnosis of neonatal sepsis as point of care testing using biosensors"
Dr. Seema Kapoor	Principal Investigator for "National Registry for Rare and other inherited disorders"
Dr. Seema Kapoor	Principal Investigator for "Training of in-service Clinicians from Government Hospitals and outreach programme for Aspirational districts"
Dr. Anurag Agarwal	Co investigator for Indian network for Streptococcus pneumoniae and PCV Impact Research (INSPIRE)
Dr. Anurag Agarwal	Principal Investigator for 'A Phase IV, Randomized, Controlled Study of the Safety and Immunogenicity of Rabishield + Rabivax-S Post-exposure Prophylaxis regimen in Patients with Potential Rabies Exposure.'
Dr. Anurag Agarwal	Principal Investigator for 'An Open label, Randomized, Active-controlled, Multi-centric Phase-II/III Study in Indian Toddlers and Infants to Assess the Immunogenicity and Safety of SIIPL HEXASIIL™ (DTwP-HepB-IPV-Hib) Vaccine in Comparison with SIIPL Pentavac (DTwP-HepB-Hib) + Poliovac (IPV) Vaccines, administered as separate Injections.'
Dr. Romit Saxena	Comparison of continuous renal replacement therapy and molecular absorbent recirculating system in pediatric acute liver failure: a multicentric international study
Dr. Romit Saxena	Acute kidney injury in acute liver failure pediatric critically ill patients: experience from pediatric liver ICU.
Dr.Romit Saxena	Comparison of Pediatric severity scoring systems in predicting outcome, in a tertiary pediatric ICU
Dr. Romit Saxena	Use of N-Acetyl cysteine in dengue hepatitis
Dr. Romit Saxena	Pediatric asphyxiation secondary to near hanging with emphasis on Saree swing: an intensivist's perspective
Dr. Romit Saxena	To evaluate time critical transfers for neurosurgical emergencies which were performed by the specialized retrieval service as compared to local team, and to evaluate if local team transport offers timely transfer to neurosurgical centre
Dr. Romit Saxena	As a part of Mallinckrodt Investigator Initiated Research, at Kings college, London, to analyze terlipressin usage, side effect profile and hemodynamic /renal effect in pediatric liver ICU.
Dr. Meenakshi Bothra	PI in 'Role of FISH in the diagnosis of William syndrome, Digeorge syndrome & 1p36 microdeletion syndromes"

(b) Details of thesis completed during current year :-

No	*Candidate*	*Guide*	*Title*
1	Dr Aditi	Dr. U. Jhamb	Role of citrulline and arginine in critically ill children.
2	Dr Priyanka	Dr. U. Jhamb	Clinico etiological profile of children with heart disease presenting to emergency in tertiary hospital in Delhi
3	Dr Netra	Dr. U. Jhamb	Role of high flow nasal cannula in children with acute hypoxemic respiratory failure
4	Dr. Kunal Kumar	Dr. S. Yadav	Evaluation of Polio Antibody Titers following Inactivated Poliovirus Vaccine (IPV) immunization.
5	Dr. Mridna Jha	Dr. S. Yadav	Bone Mineral Metabolism in Children and Adolescents of Chronic Kidney Disease.
6	Dr. Shefali Yadav	Dr. S. Yadav	Prevalence and Determinants of Victims and Perpetrators of Violence amongst Adolescents.
7	Dr. Lavanya Ra	Dr. M. Juneja	Effectiveness of Trihexyphenidyl for Treatment of Dystonia in children with cerebral palsy

8	Dr. Abhishek R.G	Dr. M. Juneja	Impact of Glycopyrrolate on drooling in children with cerebral palsy
9	Dr. Varun Kumar	Dr. M. Juneja	Effect of iron supplementation in children with attention deficit hyperactivity disorder
10	Dr. Vedha V.P.K.	Dr. M. Juneja	Effectiveness of Different Parenting interventions on oral hygiene of cebebral palsy children; A Randomised controlled Trial
11	Dr. Nimisha	Dr. M. Juneja	Effect of iron deficiency anemia on immune status in children
12	Dr. Shalinia Yadav	Dr. K. Rajeshwari	Liver Dysfunction HIV
13	Dr. Divyanshi	Dr. K. Rajeshwari	Dermatological manifestations in HIV
14	Dr. Archana	Dr. K. Rajeshwari	Absolute eosenopenia in entere fever
15	Dr. Puja Chowdhary	Dr. S. Kapoor	Thyroid abnormalities among first degree relatives of children with congenital hypothyroidism
16	Dr. Deepashree	Dr. S. Kapoor	Thyroid function in neonates born to mothers with iodine excess
17	Dr. Prabhat	Dr. S. Kapoor	Biodosimetric evaluation of head and neck cancer patients undergoing radiotherapy or concurrent chemoradiotherapy by dicentric chromosomal aberration assay
18	Dr. Kaushiki (DM)	Dr. S. Kapoor	Evaluation of diagnostic accuracy of markers of suspected IEM
19	Dr. Neelam	Dr. S. Kapoor	Evaluation of Indian children with Autism by the Autism dysmorphology measure
20	Mrs Pratiksha Singh (PhD)	Dr. S. Kapoor	Study of biochemical profile and polymorphisms of the growth hormone receptor gene in patients with idiopathic short stature and proven growth hormone deficiency.
21	Rimjhim Bersain	Dr. D.Mishra	Neurodevelopmental status of offsprings of mothers with gestational diabetes mellitus aged 3½ months
22	Pragya Pradhan	Dr. D.Mishra	Clinico-etiological profile of children (91 days - 2 years) with fever of 4-7 days presenting to emergency department of a tertiary-care hospital

5. Trainees from other agencies:

1. 26 Trainees from Deen Dyal Institute for the Physical Handicap
2. 5 in Psycology from Jamia Milia Islamia
3. 4 in Psycology from IGNOU
4. 1 in Psycology from NIPCCD
5. 7 Special Education Trainees from Lady Irwin College

Life Sciences & Biotechnology

S.No.	Name of the trainees	Sponsoring agency	Period of Training
1	Dr Ranu Tripathi	Post PhD training	AIIMS, Bhopal
2	Rishab Gupta,	Santosh Medical College	Nov,19 – Dec, 19
3	Garima Rastogi,	Vellore Institute of Technology	May,19 – June,19

TOTAL CDC PATIENT 2018-19

NEW REGISTERED FIRST VISIT PATIENT	1122
REVIEW	19900
TOTAL	21022

Total Genetic Clinic Patients 2018-2019

NEW REGISTERED FIRST VISIT PATIENT	845
REVIEW	3200
TOTAL	4045

6. Training course/Conferences/Workshops organized:

Dr. U. Jhamb	A Symposium on Sensitization on Primary immune deficiencies was held on 20.04.2019 with Dr.Urmila Jhamb as Convener.
Dr. U. Jhamb	Symposium on CME on Primary immune deficiencies was held on 08.08.2019 with Dr.Urmila Jhamb as Convener.
Dr. U. Jhamb	Symposium in STEP workshop (Simulation Training in Emergency Pediatrics) was held on 27.09.2019 with Dr.Urmila Jhamb as Convener.
Dr. U. Jhamb	Symposium in workshop on PPCC (Practical Pediatrics Capsule Course) was held on 18-20th Dec 2019 with Dr.Urmila Jhamb as Convener.
Dr. S. Yadav	Organised the Stake holders Meeting on "Immunization in the Context of Adolescent Health Programme" to draw the Road Map for Adolescent Immunization in the country with IAP, Ministry of Health Immunization and Adolescent Health Division GOI, WHO, UNICEF and FOGSI, on 14.02.19 at New Delhi.
Dr. S. Yadav	Organising Chairperson for IInd Practical Pediatric Endocrinology course on 23.2.2019 at New Delhi
Dr. S. Yadav	Organising Chairperson Conference North Zone PEDICON and PCNI 2019
Dr. M. Juneja	A Symposium in PG workshop on practical aspects of developmental assessment was held on 9th to 10th Feb 2019 with Dr. Monica Juneja in the chair/or as Convener.
Dr. S. Kapoor	Organized a workshop on "Update in Screening: Prenatal and Neonatal" at ABCON Auditorium on 4th May'19.
Dr. S. Kapoor	Organized a CME on 'Genomics for Clinical Medicine' on 23rd Nov, 2019 at Seminar Room, Department of Pediatrics, Maulana Azad Medical College, New Delhi .
Dr. S. Kapoor	Organised a hands on training for the post graduates on dysmorphology by Dr Nicole Fischer from Face2gene
Dr. K. Rajeshwari	Training of master trainers for ART Medical officer from 13-16 Nov 2019, CoE, MAMC, New Delhi
Dr. M. Mantan	Organized the Fourth Annual meeting of Pediatric Research and Education Society of India (PRESIDE) on 22, 23rd November 2019 at MAMC, Delhi.
Dr. D. Kumar	A Symposium on Primary Immunodeficiency Disorders was held on 08-08-2019 with Dr. Deepak Kumar in the chair/or as Convener.
Dr. R. Saxena	Contributed to the Extracorporeal membrane oxygenation module as a part of advanced ventilation training module course content and textbook, of the college of Pediatric critical care and IAP subsection of pediatric critical care.
Dr. R. Saxena	Contributed to the basic ventilation module course content and textbook towards basic ventilation module of the college of pediatric critical care and IAP subsection of pediatric critical care.
Dr Swarnim	4th annual meeting of Pediatric research and education society of India (PRESIDE) organized on 22.11.19 and 23.11.19 by department of Pediatrics under Dr S Ramji, Dr U Jhamb, Dr Mukta Manthan and Dr Ramesh Aggarwal**.**
Dr Swarnim	IAP UG Quiz (Pediatric) intradepartmental 2019
Dr M. Bothra	Organised an 'Immunization Quiz' for Postgraduate students in August 2019

7. Publications during the period:

(Please attach reprints, if available, otherwise please cite complete reference, failing which it will not be possible to include in the report).

Dr. U. Jhamb	Sadik KC , Mishra D, Juneja M and Jhamb U. Clinico-Etiological Profile of Refractory Status Epilepticus in Pediatric Inpatients at a Public Hospital in IndiaJ Epilepsy Res. 2019 Jun; 9(1): 36–41.
Dr. U. Jhamb	Aggarwal A, Jhamb U, Saxena R. Purulent Pericardial Effusion in children: Experience from a Tertiary Care Centre in North India. Accepted for publication in Annals of cardiology.
Dr. U. Jhamb	Shipra Agrwal, Aashima Dabas, Tej Pal, Urmila Jhamb. **Goldston syndrome with congenital hepatic fibrosis: A rare cause of neonatal cholestasis.***Intractable & Rare Diseases Research.*2019 May; 8(2): 154–157. DOI: 10.5582/irdr.2019.01017
Dr. S. Yadav	Agarwal S, Dabas A, Mantan M, Yadav S. Hemophagocytic lymphohistiocytosis with neurological manifestations in an infant with scrub typhus: a rare fatal occurrence. Trop Doct. 2019 Jan;49(1):52-53**.**
Dr. M. Juneja	Juneja M, Mehar H, Sairam S, Verma N, Jain R, Mishra D. Children's Color Trail Test for Objective Assessment of Attention in Children with Attention DeficitHyperactivity Disorder: A Diagnostic Accuracy Study. Indian Pediatr. 2019 Dec15;56(12):1025-1028. PubMed PMID: 31884432.

Dr. M. Juneja	Agrawal A, Bhinder OS, Mishra D, Juneja M. HbE-Beta Thalassemia with Moyamoya Syndrome: A Rare Association. Indian J Pediatr. 2019 Dec 20. doi:10.1007/s12098-019-03143-8. [Epub ahead of print] PubMed PMID: 31863391.
Dr. M. Juneja	Garg R, Sait H, Jindal A, Juneja M, Gupta S, Thelma BK, Kapoor S. FactorsAssociated with Transient Neonatal Hyperthyrotropinemia. Indian J Pediatr. 2019Nov 8. doi: 10.1007/s12098-019-03095-z. [Epub ahead of print] PubMed PMID:31705380.
Dr. M. Juneja	Anukirthiga B, Mishra D, Pandey S, Juneja M, Sharma N. Prevalence of Epilepsyand Inter-Ictal Epileptiform Discharges in Children with Autism andAttention-Deficit Hyperactivity Disorder. Indian J Pediatr. 2019 Oct;86(10):897-902. doi: 10.1007/s12098-019-02977-6. Epub 2019 May 24. PubMedPMID: 31123917.
Dr. M. Juneja	Sahu PK, Mishra D, Juneja M, Taneja K. Clinico-etiological Profile and Developmental Status of Infants Aged 1-24 months with Epilepsy. Indian J Pediatr.2019 Aug;86(8):681-685. doi: 10.1007/s12098-019-02943-2. Epub 2019 Apr 12. PubMedPMID: 30976964.
Dr. M. Juneja	Kharod P, Mishra D, Juneja M. Drug-resistant epilepsy in Indian children at atertiary-care public hospital. Childs Nerv Syst. 2019 May;35(5):775-778. doi:10.1007/s00381-019-04084-5. Epub 2019 Feb 13. PubMed PMID: 30758667
Dr. M. Juneja	Tyagi V, Juneja M, Jain R. Sleep Problems and Their Correlates in Children with Autism Spectrum Disorder: An Indian Study. J Autism Dev Disord. 2019Mar;49(3):1169-1181. doi: 10.1007/s10803-018-3820-6. PubMed PMID: 30426347.
Dr. K. Rajeshwari	Chopra K, Garg R, Divyanshi, Kumari A, Yadav S, Rajeshwari K. Int J Scientific Research 2019; 8 (3); 1-2. An unusual presentation of famual Nephrogenic Diabetes Insipidus. Metabolic syndrome in Pediatric HIV - under publication
Dr. M. Mantan	Mantan M, Singh S. Infection Associated Relapses in Children with Nephrotic Syndrome: A Short-term Outcome Study. Saudi J Kidney Dis Transpl 2019;30(6):1245-1253
Dr. M. Mantan	Agrwal S, Dabas A, Mantan M, Yadav S. Hemophagocytic lymphohistiocytosis with neurological manifestations in an infant with scrub typhus: a rare fatal occurrence.Trop Doct. 2019 ;49:52-53.
Dr. M. Mantan	Agrwal S, Mantan M, Dabas A. An unusual case of familial systemic lupus erythematosus with distal renal tubular acidosis and hemolytic anaemia..Iran J Kidney Dis. 2019;13:337-339.
Dr. M. Mantan	Susarla SK, Gupta M, Mantan M, Dhongade R, Bhave S, Das RK,et al. Immunogenicity and safety of a liquid Pentavalent (DTwP-Hb-Hib) combination vaccine manufactured by Human Biologicals Institute in 6-8 weeks old healthy infants: A phase III, randomized, single blind, non-inferiority study. Vaccine. 2019 Aug 23;37(36):5452-5459
Dr. S. Kapoor	Guardian Consortium, Sivasubbu S, Scaria V. Genomics of rare genetic diseases experiences from India. Hum Genomics. 2019 Sep 25;14(1):52.
Dr. S. Kapoor	Sekiguchi F, Tsurusaki Y, Okamoto N, Teik KW, Mizuno S, Suzumura H, Isidor B, Ong WP, Haniffa M, White SM, Matsuo M, Saito K, Phadke S, Kosho T, Yap P, Goyal M, Clarke LA, Sachdev R, mcgillivray G, Leventer RJ, Patel C, Yamagata T, Osaka H, Hisaeda Y, Ohashi H, Shimizu K, Nagasaki K, Hamada J, Dateki S, Sato T, chineny, Awaya T, Kato T, Iwanaga K, Kawai M, Matsuoka T, Shimoji Y, Tan TY, Kapoor S, Gregersen N, Rossi M, Marie-Laure M, mcgregor L, Oishi K, Mehta L, Gillies G, Lockhart PJ, Pope K, Shukla A, Girisha KM, Abdel-Salam GMH, Mowat D, Coman D, Kim OH, Cordier MP, Gibson K, Milunsky J, Liebelt J, Cox H, El Chehadeh S, Toutain A, Saida K, Aoi H, Minase G, Tsuchida N, Iwama K, Uchiyama Y, Suzuki T, Hamanaka K, Azuma Y, Fujita A, Imagawa E, Koshimizu E, Takata A, Mitsuhashi S, Miyatake S, Mizuguchi T, Miyake N, Matsumoto N. Genetic abnormalities in a large cohort of Coffin-Siris syndrome patients. J Hum Genet. 2019 Dec;64(12):1173-1186.
Dr. S. Kapoor	Gupta S, Singh K, Garg A, Bhandari PS, Sah SK, Reichenberger E, Kapoor S, Jain S, Trehanpati N. Clinicoradiologic follow up of cherubism with aggressive characteristics: a series of 3 cases. Oral Surg Oral Med Oral Pathol Oral Radiol. 2019 Nov;128(5):e191-e201.
Dr. S. Kapoor	Karthi S, Manimaran P, Varalakshmi P, Ganesh R, Kapoor S, Goyal M, Ashokkumar B. Mutational spectrum and identification of five novel mutations in G6PC1 gene from a cohort of Glycogen Storage Disease Type 1a. Gene. 2019 Jun 5;700:7-16.
Dr. S. Kapoor	Jain R, Kumar P, Kapoor S, Basu S, Lomash A, Rohatgi S. Reliability of celiac serology in monitoring dietary adherence in children with coeliac disease on a gluten-free diet. Trop Doct. 2019 Jul;49(3):192-196.
Dr. S. Kapoor	Gupta S, Vats P, Jha A, Singh K, Ghosh S, Tandon S, Khanna A, Kapoor S, Khurana N. Gingival manifestations of tuberculosis in pediatric patients: series of 4 cases. Oral Surg Oral Med Oral Pathol Oral Radiol. 2019 Nov;128(5):508-514.
Dr. S. Kapoor	Sheth J, Bhavsar R, Mistri M, Pancholi D, Bavdekar A, Dalal A, Ranganath P, Girisha KM, Shukla A, Phadke S, Puri R, Panigrahi I, Kaur A, Muranjan M, Goyal M, Ramadevi R, Shah R, Nampoothiri S,

	Danda S, Datar C, Kapoor S, Bhatwadekar S, Sheth F. Gaucher disease: single gene molecular characterization of one-hundred Indian patients reveals novel variants and the most prevalent mutation. BMC Med Genet. 2019 Feb 14;20(1):31.
Dr. S. Kapoor	Negi D, Urs AB, Kumar P, Mahajan B, Singh H, Polipalli SK, Kapoor S. Assessment of Interleukin-18 gene polymorphism and serum levels in oral lichen planus in an Indian population. J Oral Pathol Med. 2019 Mar;48(3):244-250.
Dr. S. Kapoor	Narayan B, Urs AB, Augustine J, Singh H, Polipalli SK, Kumar S, Kapoor S. Genetic alteration of Exon 5 of the PTEN gene in Indian patients with ameloblastoma. Oral Surg Oral Med Oral Pathol Oral Radiol. 2019 Mar;127(3):225-230.
Dr. S. Kapoor	Goyal M, Gupta A, Kapoor S, Bhandari A. Apert Syndrome with Preaxial Polydactyly with FGFR2 Gene Mutation. Indian J Pediatr. 2019 Dec 26.
Dr. S. Kapoor	Bijarnia-Mahay S, Kapoor S. Testing Modalities for Inborn Errors of Metabolism What a Clinician Needs to Know? Indian Pediatr. 2019 Sep 15
Dr. S. Kapoor	Garg R, Sait H, Jindal A, Juneja M, Gupta S, Thelma BK, Kapoor S. Factors Associated with Transient Neonatal Hyperthyrotropinemia. Indian J Pediatr. 2019 Nov 8.
Dr. S. Kapoor	Kumar S, Chakravarti A, Kumar S, Kapoor S. Detection of respiratory syncytial virus & Mycoplasma pneumoniae in paediatric lower respiratory tract infections. Indian J Med Res. 2019 Sep
Dr. S. Kapoor	Meher R, Jain A, Kapoor S. Congenital CSF Otorhinorrhea in an Infant with Incomplete Partition-1 and its Management. Indian J Pediatr. 2019 Jun;86(6):558-559.
Dr. S. Kapoor	Sait H, Kapoor S, Jindal A, Garg R, Belwal RS, Yadav S, Gupta S, Thelma BK. Association Between Neonatal Thyroid Stimulating Hormone Status and Maternal Urinary Iodine Status. Indian Pediatr. 2019 Jun 15;56(6):472-475.
Dr. S. Kapoor	Agarwal N, Kapoor S, Mangla A, Kumar A, Mandal RN, Kumar NR, Ramachandran M. Utility of Detecting SOF Gene as Evidence of Streptococcus pyogenes Infection in Acute Rheumatic Fever. Indian Pediatr. 2019 Apr 15;56(4):311-313.
Dr. S. Kapoor	Verma P, Kapoor S, Kalaivani M, Vats P, Yadav S, Jain V, Thelma BK; Science and Engineering Research Board – Newborn Screening Initiative Group (SERB-NBS)members. An Optimal Capillary Screen Cut-off of Thyroid Stimulating Hormone for Diagnosing Congenital Hypothyroidism: Data from a Pilot Newborn Screening Program in Delhi. Indian Pediatr. 2019 Apr 15;56(4):281-286.
Dr. S. Kapoor	Sachdeva A, Jain P, Gunasekaran V, Mahay SB, Mukherjee S, Hagerman R, Shankar S, Kapoor S, Kedia SN; Indian Academy of Pediatrics Consensus in Diagnosis and Management of Fragile X Syndrome Committee; Indian Academy of Pediatrics Consensus in Diagnosis and Management of Fragile X Syndrome Committee. Consensus Statement of the Indian Academy of Pediatrics on Diagnosis and Management of Fragile X Syndrome in India. Indian Pediatr. 2019 Mar 15;56(3):221-228.
Dr S Kapoor	Accepted for publication in Indian Journal of Dermatology: Purpura fulminans :An unusual occurrence of protein C deficiency and cytomegalovirus infection
Dr S Kapoor	Accepted for publication in Journal of Cleft Palate and craniofacial anomalies :Dental phenotype of multiple impacted supernumerary teeth in Wiedemann-Steiner syndrome: a case report
Dr. D. Mishra	Patel PK, Mishra D, Juneja M. Drug-resistant epilepsy in Indian children at a tertiary-care public hospital. Childs Nerv Sys. 2019;35(5):775-78.
Dr. D. Mishra	Khan AM, Gupta P, Mishra D. Three question approach: A simplified framework for selecting study designs. Indian Pediatr. 2019;56:669-72.
Dr. D. Mishra	Srivastava K, Sehgal R, Konanki R; Association of Child Neurology (AOCN)-Indian Epilepsy Society (IES) SOLACE Expert Group (Mishra D). Association of Child Neurology-Indian Epilepsy Society Consensus Document on Parental Counseling of Children with Epilepsy. Indian J Pediatr. 2019 Jun 8. [In press]
Dr. D. Mishra	Chawla D, Mishra D, Singh S, Juneja M. Longitudinally extensive transverse myelitis. Indian J Pediatr. 2019;86:91-92.
Dr. D. Mishra	Dhinakaran R, Mishra D. ILAE classification of seizures and epilepsies, 2017: An update for the pediatrician. Indian Pediatr. 2019;56:60-62.
Dr. A. Dabas	Dabas A, Chellani H, Jena T. Exclusive breastfeeding In: Encyclopedia of the UN Sustainable Development Goals. Gender Equality. Springer Nature Switzerland. https://doi.org/10.1007/978-3-319-70060-1_23-1
Dr. A. Dabas	Chellani H, Jena T, Dabas A. Child care services: Possible outcomes to improve survival. In: Encyclopedia of the UN Sustainable Development Goals. Gender Equality. Springer Nature Switzerland. https://doi.org/10.1007/978-3-319-70060-1_20-1
Dr. A. Dabas	Dabas A. Scorpion envenomation to therapeutics- Tale of 50 years. Indian Pediatr. 2019; 56(4):323–324.

Dr. A. Dabas	Prasad BS, Kumar M, Dabas A, Mishra K. Profile of Acute Kidney Injury in Hospitalized Children with Idiopathic Nephrotic Syndrome. Indian Pediatr. 2019 Feb 15;56(2):119-122.
Dr. D. Kumar	Gupta G, Kumar D, Trivedi M. Acute lymphoblastic leukemia in a child presenting primarily with priapism. J Indian Assoc Pediatr Surg. 2020;25:52-4.
Dr. D. Kumar	Kumar D, Gupta G, Jhamb U. IDDF2019-ABS-0014 Gastrointestinal symptoms among hospitalized children admitted with H1N1 infection: A report from a tertiary hospital in north India. Gut 2019;68:A61.
Dr. R. Saxena	Paediatric super refractory status :an intensivists perspective . Saxena R, Kundal M, Jain P, Kumar, A. in Journal of paediatric critical care. 2019,6(4). Pg. 28-36.
Dr. R. Saxena	Patient zone in PICU initiative at Max 3rd annual patient safety conference as oral presentation on 1-2/2/2019.
Dr. R. Saxena	Presented poster on Perinatal Kochs an intensivists perspective in national conference of pediatric critical care, at Bangalore between 5-8/12/2019
Dr Swarnim	Comparison of antistrptolysin O and anti deoxyribonucleic B titres in healthy children to those with acute pharyngitis ,acute rheumatic fever and rheumatic heart disease aged 5-15 years.Navjot Saini,Dinesh Kumar,Swarnim Swarnim,Dheeraj Bhatt,Sunil Kishore: Annals of Pediatric Cardiology:2019;Vol 12 ,195-200.
Dr Puneet	Buers I, Persico I, Schoning L, Nitschke Y, Di Rocco M, Loi A, Sahi PK, et al. Crisponi/ Cold induced Sweating syndrome: Differential Diagnosis, Pathogenesis and Treatment concepts. Clinical Genetics, 97 (1), 209-221.

8. Books/Chapter/Contributed:

Dr. U. Jhamb	Dr. Urmila Jhamb has contributed a chapter on burns in children in the Text Book on Principles of Pediatric and Neonatal Emergencies edited by Dr Piyush Gupta, of Jaypee Publisher. 4th Ed.2020 jan (Year of Publication)
Dr. U. Jhamb	Dr. Urmila Jhamb has contributed a chapter on Environmental emergencies in children in the Text Book on IAP textbook of Pediatric critical care edited by Dr. Sunit Singhi of Publisher. Under publication (Year of Publication)
Dr. S. Yadav	Yadav S and Mantan M. Measles Vaccine. In IAP Textbook of Vaccines. Chap 30 Edtd by Dr Vashishtha V. Jaypee Publishers, Delhi. 2019.
Dr. S. Yadav	Yadav S and Dabas A. Mumps Vaccine. In IAP Textbook of Vaccines. Chap 31 Edtd by Dr Vashishtha V. Jaypee Publishers, Delhi. 2019.
Dr. S. Yadav	Yadav S and Dabas A Rubella Vaccine. In IAP Textbook of Vaccines. Chap 33 Edtd by Dr Vashishtha V. Jaypee Publishers, Delhi. 2019
Dr. D. Mishra	Dr D. Mishra was the co-editor of the book:' Mishra D, Shah D. The Art and Science of Writing a Scientific Paper. Published by CBS Publishers, Delhi; 2019. ISBN: 978-93-89261-80-6.
Dr. D. Mishra	Dr D. Mishra was the co-editor of the book: Mishra D, Shah D. Best of Indian Pediatrics, 3rd Ed. Published by CBS Publishers, Delhi; 2019. ISBN: 978-93-88725-62-0.
Dr. D. Mishra	Dr. D.Mishra has contributed three chapters in the Text Book on The Art and Science of Writing a Scientific Paper edited by Dr Mishra D, Shah D of CBS Publishers & Distributors (P) Ltd., Delhi Ed. 2019
Dr. D. Mishra	Dr. D.Mishra has contributed three chapters in the Text Book on Best of Indian Pediatrics edited by Dr Mishra D, Shah D of CBS Publishers & Distributors (P) Ltd., Delhi Ed. 2019.
Dr. A. Agarwal	Dr. Anurag Agarwal has contributed a chapter in the Text Book on Principles of Pediatric and Neonatal Emergenciesedited by Dr Piyush Guptaof Publisher Jaypee Brothers Ed.2019 (Year of Publication)
Dr. D. Kumar	Dr. Deepak Kumar has contributed a chapter "Vascular access in pediatric patients" in the Text Book on Textbook of Pediatrics and Neonatal emergencies _____edited by Dr. Piyush Guptaof JaypeePublisher. Ed.2019-2020(Year of Publication)
Dr. R. Saxena	Chapter on :"Acute surgical abdomen" in IAP textbook of Pediatric ICU protocols
Dr. R. Saxena	Chapter on Pediatric laboratory medicine and Pharmacology , in IAP textbook of pediatric critical care.
Dr. R. Saxena	Chapter on "Acute liver failure" submitted for publication towards IAP textbook of emergency medicine.
Dr. R. Saxena	Chapter on "extracorporeal membrane oxygenation " in textbook for advanced ventilation module for College of Pediatric critical care.
Dr. R. Saxena	Chapter on ARDS and refractory hypoxemia towards the manual, and towards workshop modules on prone ventilation, oxygen therapy and oxygen delivery devices.
Dr. R. Saxena	Contributed to 5 minute consult Pediatrics - Indian version , as editor for the following algorithms with Dr.S.Sudha: asthma exacerbation algorithm , child abuse algorithm, constipation algorithm , dehydration algorithm, cyanosis algorithm , fever in first 3 months algorithm , jaundice algorithm, pediatric exanthema

	algorithm.
Dr. R. Saxena	Contributed as editor for the following chapters towards 5 minute consult Pediatrics -Indian version for following chapters with Dr.S.Sudha. Encoparesis, foster care, functional gastrointestinal disorder, Pediatric autoimmune neuropsychiatric disorder, attention deficit hyperactivity disorder, behavioral problems, cerebral palsy and infantile colic.
Dr. M. Bothra	A text Book of Review of Pediatrics & Neonatology 5th Edition, by Jaypee Brother (for under - graduates) has been written by Dr. Meenakshi Bothra and published in 2019

9. Conferences/Workshops/Symposiums attended:

International	
Dr. Seema Kapoor	Delivered a lecture on starting programmes and increasing coverage and range of disorders in 10th ISNS International Symposium / 11th Asia Pacific Regional Meeting that from 19 - 22 September 2019 in Hangzhou, China.
Dr. Mukta Mantan	Dr. M. Mantan presented oral paper titled "Assessment of diet, fluid intake, urine output and urinary sodium/potassium ratios in children with urolithiasis" at the 18th Congress of International Pediatric Nephrology association held at Venice, Italy from 17-21st October 2019.
Dr. Mukta Mantan	Dr. M. Mantan presented paper titled "Effectiveness of a low dose prednisolone regimen in comparison to standard therapy for treatment of relapses in children with steroid sensitive nephrotic syndrome: A randomized controlled trial." as poster at the 18th Congress of International Pediatric Nephrology association held at Venice, Italy from 17-21st October 2019.
Dr. Mukta Mantan	Dr. M. Mantan presented paper titled "Childhood steroid resistant nephrotic syndrome: Clinical profile and outcomes" as poster at the 18th Congress of International Pediatric Nephrology association held at Venice, Italy from 17-21st October 2019.
Dr. Mukta Mantan	Dr. M. Mantan presented Paper titled "Nephrotic syndrome in children with chronic hepatitis B infection: 5 year experience of a tertiary care teaching hospital" as poster at the 31st annual meeting of Indian Society of Paediatric Nephrology held at Pune from 20-22 December 2019
National	
Dr. U. Jhamb	Workshop on VPD (vaccine preventable diseases) organized by Directorate of family welfare was attended by Dr Urmila Jhamb_ on 26-28th Nov 2019.
Dr. U. Jhamb	Workshop on Cascade immunization by Delhi Govt was attended by Dr Urmila Jhamb on24-26th June 2019.
Dr. U. Jhamb	TOT for IAP ALS MAP was attended by Dr Urmila Jhamb on 3.10.19
Dr. S. Yadav	Attended the ToT for Mission Uday on 31st March 2019 at Gwalior
Dr. S. Yadav	Attended the Breastfeeding India: Commitment to Collective Action under the IMS Act to Protect, Promote and Support Breastfeeding workshop on 05.08.2019 New Delhi.
Dr. S. Yadav	Attended the Antimicrobial Stewardship Workshop at New Delhi 25thAug 2019
Dr. S. Yadav	Attended workshop on Child and Adolescent Psychiatry at Bangaluru 16thAugust 2019
Dr. S. Yadav	Attended the International Advanced Training Programs on Adolescent Health (IATPAH) workshop in Dr.D.Y. Patil Medical College, Pimpri at Pune (Maharashtra) from 03.10.19 - 07.10.19
Dr. S. Yadav	Participated in a Role Play on Sleep disorders in Adolescents in IATPAH in Pune on 4th Oct. 2019
Dr. S. Yadav	Attended the 7th National Conference on Pediatric Education at Jodhpur 5th Nov 2019
Dr. S. Yadav	Attended the meet on "Addressing the Global Syndemic of Obesity, undernutrition and climate change in India" on 11th Nov. 2019 at Delhi
Dr. S. Yadav	Attended the workshop on Investing in Adolescent Health: Harnessing the Demographic Dividend organised by The Observer Research Foundation, in collaboration with the Ministry of Health and Family Welfare, on December 14, 2019 at , New Delhi.
Dr. S. Yadav	Participated in the workshop on IAP Leadership in Quality Improvement & Capacity Building Workshop Consultation on 20th Dec 2019
Dr. M. Juneja	Faculty for TOT for RBSK workshop for ASD intervention, at New Delhi 18-19 october'2019.
Dr. M. Juneja	Workshop on new UG curriculum at MAMC, New Delhi on 23rd Nov'2019.
Dr. M. Juneja	Delivered a talk on Early Intervention at workshop on "Multisectorial approach to Early Childhood Developoment" sponsored by UNICEF, at Kolkata 13th' December'2019.
Dr. M. Juneja	Faculty for Pediatric Capsule Course, organized by Deaprtment of Pediatrics, MAMC, 18-20 December '2019

Dr.Seema Kapoor	Delivered a talk on IEMs- Advances in Diagnosis and Therapies in 5th National ISIEM Conference from 18-20th January 2019 at Hotel Grand Sheraton, Pune
Dr.Seema Kapoor	Attended Rare Disease Registry meeting at ICMR headquater on 23rd January,2019
Dr.Seema Kapoor	Invited as faculty in 56th Annual Conference of the Indian Academy of Pediatrics (Pedicon) at from the 6th-10th of Feb, 2019 at MMRDA Exhibition Grounds, Bandra Kurla Complex, Mumbai and delivered a talk on
Dr.Seema Kapoor	Invited as a faculty for the 20th Joint Annual Conference of Indian Epilepsy Society and Indian Epilepsy Association - ECON 2019 from March 8 -10, 2019 (Friday thru Sunday) at Hotel Eros, Nehru Place, New Delhi and delivered a talk on
Dr.Seema Kapoor	Delivered a lecture in 5th annual conference titled "Clinical Scenarios in Pediatric Liver disease" (CSPLD 2019) on March 30th and 31st, 2019 at Institute of Liver and Biliary Sciences (ILBS) New Delhi, India
Dr.Seema Kapoor	Attended Symposium on coagulopathy in liver disease 2019, 2nd& 3rd March, 2019 at Institute of Liver and Biliary Sciences, New Delhi.
Dr.Seema Kapoor	Attended meeting of Expert Committee on 11.03.2019 at 11.00 am in the Chamber of Additional Director-General, ICMR, 1st Floor, ICMR Hqrs
Dr.Seema Kapoor	Attended Meeting of the Expert Review Committee for AIIMS-THSTI Collaborative on 25th April, 2019 at CMET Hall, AIIMS, New Delhi
Dr.Seema Kapoor	Participated in NeuroPedicon-2019 conference (workshop on Management of NeurometabolicDisorders) at Hotel Park Hyatt on 26 July 2019 at Hyderabad
Dr.Seema Kapoor	Attended DELHI STATE NNF meeting At AIIMS on 1st August, 2019.
Dr.Seema Kapoor	Attended the expert committee meeting on 31st July and 1st August, 2019 in DBT, New Delhi
Dr.Seema Kapoor	Attended Pediatric Infection Control Workshop in Radisson Bu Dwarka on 10th& 11th August, 2019
Dr.Seema Kapoor	Attended Expert Committee meeting on 30th-31st August, 2019 in Conference Room no. 503 on 30th August and in Room no. 816 on 31st August, 2019 DBT, New Delhi.
Dr.Seema Kapoor	Attended I.A.P. Delhi's Clinical meeting collaborated with IAP East Delhi City Branch at Lecture Theatre-1 (First Floor) USMC & GTB Hospital, Dilshad Garden, Delhi, on 19th September, 2019.
Dr.Seema Kapoor	Attended Pediatric Conference of North India, 2019 a pre conference workshop "Demystifying Diagnostics in Paediatric Neurology: A Practical approach" on 27.9.2019 in Medical Education Unit, upper basement, VMMC and Safdarjung Hospital
Dr.Seema Kapoor	Attended PCNI 2019 on 28th & 29th September, 2019 at Hotel Le Méridien, Windsor Place, Janpath, New Delhi.
Dr.Seema Kapoor	Attended Indo-US Symposium on Genetic Neuromuscular Disorders in November 2019, in Hyderabad on 21st, 22nd and 23rdNovember 2019.
Dr.Seema Kapoor	Attended 58th Research Council Meeting at CSIR-IGIB on 4th – 5th November, 2019 at Mathura Road Campus
Dr.Seema Kapoor	Attended EZCCCON 2019 on 15th & 16th November 2019 at Hotel VIVANTA Kolkata.
Dr.Seema Kapoor	Attended Meeting on 5th December 2019 in R. No. 816 (10:30 AM to 12:30 PM), Conference Hall, 8th Floor, Block- 2, CGO Complex, Lodhi Road, New Delhi -110003
Dr.Seema Kapoor	Attended CME on Research Methodology on 14th December, 2019 in New LT 1, MAMC
Dr. Mukta Mantan	Dr. M. Mantan participated in a panel discussion on "Early diagnosis of CKD and renal transplant" at the advanced CME in PEDICON-2019 held at MMRDA grounds, Mumbai from 6-10th February 2019.
Dr. Mukta Mantan	Dr. M. Mantan delivered talk "Urinary tract infections: Diagnosis and management". at CME on Reflux nephrpathy: removing the misconceptions held at Chacha Nehru Bal Chikitsalaya, Delhi on 10th march 2019.
Dr. Mukta Mantan	Dr. M. Mantan delivered a talk on "Role of chemoprophylaxis in VUR" at the Pedatric Surgery update held at Mulana Azad Medical College, Delhi from 7th-10th March 2019.
Dr. Mukta Mantan	Dr. M. Mantan participated in a panel discussion on "Medical management of CKD due to CAKUT" at CME on Reflux nephrpathy: removing the misconceptions held at Chacha Nehru Bal Chikitsalaya, Delhi on 10th march 2019.
Dr. Mukta Mantan	Dr. Dr. M. Mantan delivered talk on "Hypertension what's new?" at the IPNA-AsPNA Junior Master Class in Pediatric Nephrology and XI Annual Pediatric Nephrology Training Course held on 6th and 7th April 2019 at the AIIMS, Delhi .
Dr. Mukta Mantan	Dr. M. Mantan delivered a talk on "Supportive management of nephrotic syndrome" at the 31st annual meeting of Indian Society of Paediatric Nephrology held at Pune from 20-22 December 2019.

Dr. D. Mishra	1st National Symposium on Pediatric Neuroradiology – Bridging clinical & radiological perspectives, Delhi on 19-20 October was attended by Dr. D.Mishra.
Dr. AnuragAgarwal	TOT on RNTCP at Mumbai 5/2/19
Dr. Anurag Agarwal	Indo UK TB Network Workshop with ICMR 11-12/2/19
Dr. Anurag Agarwal	KMC at Srinagar from NNF 22-23/6/19
Dr. Aashima Dabas	Second Practical Pediatric Endocrinology course, GROW society, New Delhi India, was attended by Dr. Aashima Dabas as Faculty on 23 Feb 2019
Dr. Aashima Dabas	Hospital and Office practice Pediatric Endocrinology (HOPE), Medanta medcity, Gurugram, India, was attended by Dr. Aashima Dabas as Faculty on 28 Apr 2019
Dr. Aashima Dabas	Second Growth symposium, AIIMS New Delhi, India, was attended by Dr. Aashima Dabas as Faculty on 20 April 2019
Dr. Aashima Dabas	National symposium on Growth and Pediatric Endocrinology, Growth Hormone Research Society, India New Delhi, was attended by Dr. Aashima Dabas as Faculty on 8-9 Jun 2019
Dr. Aashima Dabas	Newborn screening and prenatal screening update, MAMC, New Delhi India, was attended by Dr. Aashima Dabas as Faculty on 4 May 2019
Dr. Aashima Dabas	Advanced Pedaitric Practical Endocrinology Course, GROW society, Kanpur, India, was attended by Dr. Aashima Dabas as Faculty on 18-19 May 2019
Dr. Aashima Dabas	Symposium on Molecular Medicine in Endocrinology, SMS Jaipur, India, was attended by Dr. Aashima Dabas as Faculty on 29-30 June 2019
Dr. Aashima Dabas	Workshop on Immunization, Aruna Asaf Ali Hospital, New Delhi India, was attended by Dr. Aashima Dabas as Delegate on 27-29 June 2019
Dr. Aashima Dabas	Annual North-Zone PEDICON and Pediatric Conference of North India, 2019, New Delhi India, was attended by Dr. Aashima Dabas as Faculty on 28-29 Sep 2019
Dr. Aashima Dabas	Workshop and Brainstorming Meeting on Improving Diagnosis and Management of Disorders of Sex Development in India, AIIMS, New Delhi India, was attended by Dr. Aashima Dabas as Faculty on 02 Nov 2019
Dr. Aashima Dabas	Paper writing Workshop, MAMC, New Delhi India, was attended by Dr. Aashima Dabas as Faculty on 14 Nov 2019
Dr. Aashima Dabas	Paper writing Workshop- Indian Pediatrics, Apollo hospital, New Delhi India, was attended by Dr. Aashima Dabas as Faculty on 20 Nov 2019
Dr. Aashima Dabas	Biennial Conference of Indian Society of Pediatric and Adolescent Endocrinology, Kolkata, India, was attended by Dr. Aashima Dabas as Faculty on 29 Nov-01 Dec 2019
Dr. Aashima Dabas	Research Methodology workshop, Pediatric Surgery, MAMC, New Delhi India, was attended by Dr. Aashima Dabas as Faculty on 14 Dec2019
Dr. Rahul Jain	Workshop on Statistical analysis using STATA, Gurgram, Haryana organized by Public Health Foundation of India from 14th-18th October 2019.
Dr. Rahul Jain	Indian academy of pediatrics-Advanced life support course organized by AIIMS, Delhi on 21-22nd Dec 2019.
Dr. Romit Saxena	Participated as faculty in PICU and paediatrics for panel discussion at Max Northcon 2019, on 17/2/2019.
Dr. Romit Saxena	Participated as faculty for basic ventilation workshop to be held on 23-24 March, 2019, at Dr. Bidari's Ashwini Hospital, at Vijayapura, Karnataka.
Dr. Romit Saxena	Participated as faculty in workshop on How to write a scientific paper, at MAMC, 14/11/2019
Dr. Romit Saxena	Participated as faculty in "Facts and Myths in Anesthesiology" at MAMC, in 14-15/12/2019
Dr. Romit Saxena	Attended as Faculty at National conference of Pediatric critical care, at Bangalore between 5-8/12/2019
Dr. Romit Saxena	As faculty for 7th Neonatal & Pediatric Ventilation workshop on 18th & 19th May 2019 at Jaypee Siddharth, New Delhi.
Dr. Romit Saxena	As faculty for Workshop on Practical Approach to Shock in Children to be held at Indraprastha Apollo Hospital on 13th April, 2019.
Dr. Romit Saxena	As faculty for workshop on 'Research Methodology & How to apply for Grants' for AYUSH and Allied Healthcare practitioners on 14th December, 2019, by Department of Pediatric Surgery and Pediatrics, MAMC
Dr. Romit Saxena	Participated as faculty in practical pediatric capsule course at department of Pediatrics , between 18-20 /12/2019
Dr. Romit Saxena	Participated as faculty in 9th Nursing CNE, at Kalawati Saran Children's hospital , on 4/7/2019
Dr. Romit Saxena	Attended North India Pediatric Infectious disease conference (NIPID 2019) on 12-13 /1/2019

Dr. Romit Saxena	Attended Allergocon 2019, 1st National congress on asthma, allergy and immunology under aegis of International Asthma Services, USA and CMC, Vellore at CMC, Vellore from 10-11/1/2019
Dr. Romit Saxena	Attended Training of trainers for PICNIC (pediatric infection control in nursing home, ICU and clinics) on 6/2/2019 at Mumbai, under IAP action plan 2019-20.
Dr. Romit Saxena	Attended Art and science of paper writing, between 23-24 September 2019, at indraprastha Apollo hospital
Dr. Romit Saxena	Attended PEDICON NZ & PCNI 2019" on 28th & 29th September, 2019 at Le-Meridien Hotel
Dr. Romit Saxena	Attended Fourth annual Meeting of Pediatric research and education society of India, on 22/11/2019
Dr. Swarnim	17th workshop on Art and science of paper writing on 23.9.19 and 24.9.19 at Indraprastha Apollo Hospital, New Delhi.
Dr. Swarnim	4thworkshop on Research methodology from 8.11.19 till 10.11.19 at Indraprastha Apollo Hospital, New Delhi.
Dr. Swarnim	Curriculum development and implementation (CDI) workshop for in house faculty of MAMC from 25- 27 Sep 2019
Dr. Puneet	4thworkshop on Research methodology from 8.11.19 till 10.11.19 at Indraprastha Apollo Hospital, New Delhi.
Dr. Puneet	Pediatric hematology oncology conference (PHOCON) from 6.9.19 till 8.9.19 at BHU,Varanasi
Dr. Meenakshi Bothra	ISOPARB Mid term conference 2019 at Ranchi in September 2019
Dr. Pallavi	17th workshop on Art and science of paper writing on 23.9.19 and 24.9.19 at Indraprastha Apollo Hospital, New Delhi.
Dr. Pallavi	4thworkshop on Research methodology from 8.11.19 till 10.11.19 at Indraprastha Apollo Hospital, New Delhi.
Dr. Arpita Gupta	Research Methodology conducted by Indian Pediatrics from 8-11 Nov'2019.

1. **Significant Events (Honours to Faculty):To the Department**

*Considered as Center for Excellence in Human Genetics for Training in Service faculty for Medical Colleges by Department of Biotechnology

* Considered as Center for Excellence by Ministry of Health & Family Welfare for Management and prenatal diagnosis of rare diseases

Dr. U. Jhamb	Dr. Urmila Jhamb has **been a faculty** in STEP workshop at AIIMS on 28.2.19
Dr. U. Jhamb	Dr. Urmila Jhamb has **chaired session in** 25th annual conference of SIMULUS at AIIMS on 1,2,3 march 2019
Dr. U. Jhamb	Dr. Urmila Jhamb has been a faculty INSPIRE workshop (work as mentor for researchers in the field of simulation in pediatric intensive care) 3.3.2019
Dr. U. Jhamb	Dr. Urmila Jhamb has chaired session on international CME on childhood allergies on 8-10th march 2019 at Ganga ram Hospital
Dr. U. Jhamb	Dr. Urmila Jhamb has been a faculty for IAP ALS course on 3rd and 4th May 2019 at Maharaja Arsenal hospital
Dr. U. Jhamb	Dr. Urmila Jhamb has **chaired a session** in pediatric cardiology update at Vardhman Medical college on 10th June 2019
Dr. U. Jhamb	Dr. Urmila Jhamb has been a faculty for PFCCS course at Rohtak 11th and 12th Aug 2019
Dr. U. Jhamb	Dr. Urmila Jhamb**delivered guest lecture** on transport of critically ill child in pediatric critical care update at AIIMS Jodhpur on 22nd September 2019
Dr. U. Jhamb	Dr. Urmila Jhamb has been a faculty for STEP workshop organized on 27.9.19 at MAMC in Dept of pediatrics.
Dr. U. Jhamb	Dr. Urmila Jhamb **delivered guest lecture** on Renin a new marker for tissue perfusion on 3rd October 2019 at _ Advanced international pediatric intensive care conference (AIPIC) 2019 at Ganga ram hospital on 3rd October 2019
Dr. U. Jhamb	Dr. Urmila Jhamb has been a faculty PPCC course organized on 18-20t
Dr. U. Jhamb	Dr. Urmila Jhamb**delivered guest lecture** on Post operative ventilation in conference of Anaesthesia at MAMC New Delhi on 6.01.2020h Dec 2019 at MAMC in Dept of pediatrics.
Dr. S. Yadav	Invited Guest of Honor for North India Pediatric Infectious Disease Conference on 12th January 2019, New Delhi
Dr. S. Yadav	Invited Speaker delivered talk on Adolescent Sexuality at 56th National Conference of Indian Academy of Pediatrics PEDICON 2019 Mumbai 6th Feb. 2019.
Dr. S. Yadav	Special Invitee for the 3rd Meeting of India Expert Advisory Group(IAEG) on Measles &

	Rubella Meeting on 19.02.19 -20.02.19, New Delhi.
Dr. S. Yadav	Special Invitee for the Mini India Expert Advisory Group Meeting for Polio Eradication, New Delhi on 21.2.19
Dr. S. Yadav	Invited Faculty and presented a talk on Approach to Short Stature at II Practical Pediatric Endocrinology course on 23.2.2019 at New Delhi
Dr. S. Yadav	Attended the National AEFI Meeting at NIHFW as Member on 25th Feb 2019.
Dr. S. Yadav	Participated as Expert member for "Meeting of Technical Resource Group on Childhood Pneumonia Management and control on 08.03.19 at, New Delhi.
Dr. S. Yadav	Invited participant to the Meeting South - East Asia Regional Consultation on Adopting the Revised Goal of Measles and Rubella Elimination from 14.03.19 -15.03.19 at New Delhi for Proposed strategic plan for measles and rubella elimination in WHO South East Asia Region.
Dr. S. Yadav	Chief Guest for STRIDE and Fever Workshop on 17th March 2019
Dr. S. Yadav	Meeting of National Health Conclave (NHC): Climate Change and Health - Role of the Health Sector, Morbidity, Mitigation and Prevention were discussed with all the stakeholders.Ashoka Hall, Manekshaw Centre, Delhi Cantt, New Delhi on 23.03.19.
Dr. S. Yadav	Invited Panelist for Neonatal Cholestasis- Beyond Biliary Atresia at 5thCSPLD on 30th March 2019 at ILBS
Dr. S. Yadav	Invited Chairperson for Growth Symposium for session on "Optimization of GH therapy in GHD including Assessment of poor response – Dr.Mehul Dattani at Growth Symposium. 20 April 2019.
Dr. S. Yadav	Moderator for Panel discussion on Pediatric Endocrinology on 21 st April 2019 Central Zone PEDICON at NOIDA.
Dr. S. Yadav	Invited Faculty for IInd Advanced Pediatric Endocrinology Symposium (APES) at Kanpur on May 18-19 2019
Dr. S. Yadav	Invited Chairperson for Pediatric Cardiology CME on 15th June 2019 at VMMC and Safdarjung Hospital, New Delhi
Dr. S. Yadav	Invited Faculty presented a talk on "Approach To Growth Retardation - A Uniform protocol for our population" for Symposium on Molecular Medicine in Endocrinology, SMS Jaipur, 29-30 June 2019
Dr. S. Yadav	Member on the Committee for 1st Meeting of IAP Task Force on implementation and support of MCI Competency-based Curriculum for Pediatrics in undergraduate education. Attend as faculty for workshop on IAP - NTF- CCP Curriculum for Pediatrics in undergraduateeducation in R&R hospital on 06.7.19
Dr. S. Yadav	Invited for Rollout of ROTAVIRUS Vaccine workshop on 06.8.19 at 11.00AM onwards in Delhi Secretariat, Auditorium
Dr. S. Yadav	Chairperson in Primary Immunodeficiency disorders workshop in Pediatrics Department, MAMC, on 08.08.2019
Dr. S. Yadav	Chairperson at the National Original Research Convention for Practicing Pediatrician (NORC) workshop from 10.8.19 - 11.8.19 in Radisson Blu, Dwarka, Delhi.
Dr. S. Yadav	Attendedmeeting in Delhi Secretariat on 13.8.19 for the Release of School Safety poster by Principal Secretary Health NCT Delhi
Dr. S. Yadav	Invited Panelist for "Non communicable diseases" at ADOLESCON 2019 at Bangaluru 17thAugust 2019
Dr. S. Yadav	Conducted as Faculty the Antimicrobial Stewardship Workshop at Gurugram 1st Sept. 2019
Dr. S. Yadav	Invited Speaker at West Zone PEDICON delivered talk on Basic Principles of Adolescent Counselling at Surat 21st Sept. 2019
Dr. S. Yadav	Moderator for Panel discussion on Pediatric Endocrine Emergencies at North Zone PEDICON 27th Sept. 2019
Dr. S. Yadav	Invited Faculty for Mental Health WS for IATPAH and discussed Violence in Adolescents 6.10.2019
Dr. S. Yadav	Invited chairperson for International Pediatric Gastroenterology and Hepatology School for the session on Motility syndromes on 1st Nov. 2019 at Apollo, New Delhi
Dr. S. Yadav	Participated as Faculty and delivered talk on "Gender assignment and gender identity in DSD: Indian perspective" at AIIMS Workshop and Brainstorming Meeting on Improving Diagnosis and Management of Disorders of Sex Development in Northern Indiaon 2nd November 2019.

Dr. S. Yadav	Invited speaker for 7th National Conference on Pediatric Education and delivered talk on "Internship a Bridge between Student and Clinician NEET vs NEXT" at Jodhpur 5th Nov 2019
Dr. S. Yadav	Chairperson for session on Puberty at Biennial ISPAE on 30.11.2019 at Kolkata.
Dr. S. Yadav	Invited speaker at Biennial ISPAE and delivered talk on Pubertal Disorders: When to Refer" at Kolkata on 1.12.2019
Dr. Seema Kspoor	Appointed Task Force Member of Human Genetics & Genomics by DBT
Dr. Mukta Mantan	Dr. M. Mantan appointed external examiner for Fellowship of national Board of examinations for Pediatric Nephrology held at Banaras Hindu University, Varanasi on 23rd January 2019.
Dr. Mukta Mantan	Dr. M. Mantan appointed external examiner for DM Pediatric Nephrology exam of AIIMS, Delhi held in May 2019.
Dr. Mukta Mantan	Dr. M. Mantan appointed external examiner for DM Pediatric Nephrology exam of AIIMS, Delhi held on 17th December 2019.
Dr. Mukta Mantan	Dr. M. Mantan appointed Member of Committee for preparation of draft guidelines for roll out of peritoneal dialysis program under National Health Mission.
Dr. Mukta Mantan	Dr. M.Mantan appointed Secretary of Pediatric Research and Education Society of India (PRESIDE) in 2019.
Dr. Mukta Mantan	Dr. M. Mantan judged the oral posters at the 31st annual meeting of Indian Society of Paediatric Nephrology held at Pune from 20-22 December 2019.
Dr. Anurag Agarwal	Indian Health Care Excellence Award 2019 from Hon able Minister of State for Health SH. Ashwini Choube on 13/10/19 at The Park, CP, Delhi.
Dr. Anurag Agarwal	MIYCN training on infant feeding at Patna in the month 6-7/3/19
Dr. Anurag Agarwal	Neonatal Resuscitation Protocol at JGH Delhi 23/3/19
Dr. Anurag Agarwal	North Delhi Pediatric Conf as Co Chair person. 24/3/19
Dr. Anurag Agarwal	MIYCN Gorakhpur Medical college 25-26/4/19
Dr. Anurag Agarwal	MIYCN Gaya Medical college 7-8/5/19
Dr. Anurag Agarwal	Lecture on Post Exposure Prophylaxis at CARCON 2017 Tanda Medical College. 14-15/6/19
Dr. Anurag Agarwal	Lecture on Monoclonal Antibody at APCRICON Ranchi Medical College 6-7/7/19
Dr. Anurag Agarwal	Monitoring instructor at Safdurjung Hospital for IAP -ALS 13/14/7/19
Dr. Anurag Agarwal	Monitoring instructor at Kalawati Hospital for IAP -ALS 21-22/9/19
Dr. Anurag Agarwal	PCNI North Pedicon Panel discussion on Rabies prevention 28-29/9/19
Dr. Anurag Agarwal	Mid term conf of CAR Lucknow Session on PEP 16/11/19
Dr. Anurag Agarwal	Adverse Drug Reaction of Vaccines session for Pharmacovigilance workshop at MAMC 12/12/19
Dr. Deepak Kumar	Dr. Deepak Kumar has delivered guest lecture at Pediatric Practical Capsule Course for Post Graduates in the month of December 2019.

12. **Fellowship**:

Dr. Romit Saxena	Diploma in Allergy and asthma, 2019 under the aegis of CMC, Vellore and International asthma services
Dr. Romit Saxena	Post graduate program in pediatric nutrition under the aegis of *Nestlé* Nutrition Institute & Boston University School of medicine

13. Representation on expert Committee/Bodies:

Dr. U. Jhamb	Dr.Urmila Jhamb was nominated by the __MD of LNH(agency) as Chairman of equipment purchase committee at LNH.
Dr. U. Jhamb	Dr.Urmila Jhamb was nominated by the MD of LNH as member of hospital infection control committee .
Dr. U. Jhamb	Dr.Urmila Jhamb was nominated by the faculty of medical sciences as Member of committee of courses and examinations. Dr.Urmila Jhamb was nominated by theESI hospitalFaridabadas expert advisorfor selection of faculty for pediatrics.
Dr. U. Jhamb	Dr.Urmila Jhamb was nominated by the NBEas expert for accreditationof Chattisgarh institute of Medical Sciences, Bilaspur ,Chattisgarh for DNB pediatricson 23.12.2019
Dr. U. Jhamb	Dr.Urmila Jhamb was nominated by the Shimla Public service commission as expert advisor for selection of faculty for pediatrics.

Dr. U. Jhamb	Dr.Urmila Jhamb was nominated by the UPSC as expert advisorto conduct personality test for Medical officers.
Dr. U. Jhamb	Dr.Urmila Jhamb was nominated by the bureau of indian standards as expert advisortodraft indian standard “specification for Pedal Operated Resuscitator”
Dr. S. Yadav	Elected Jt. Secretary Liaison Indian Academy of Pediatrics
Dr. S. Yadav	Member State Technical Advisory group Govt of NCT Delhi
Dr. S. Yadav	Chairperson State AEFI Committee Govt of NCT Delhi
Dr. S. Yadav	Member STAFI , Govt of NCT Delhi
Dr. S. Yadav	Member AEFI Committee National
Dr. S. Yadav	Advisor Ethics Indian Pediatrics
Dr. S. Yadav	Expert member for UGC Inspection at ILBS June 2019
Dr. S. Yadav	Judge for"Competitive Grand Rounds 2019" on 29th September 2019 at AIIMS, New Delhi.
Dr. S. Yadav	Expert member for AIIMS Workshop and Brainstorming Meeting on Improving Diagnosis and Management of Disorders of Sex Development in Northern India
Dr. Seema Kapoor	Appointed Task Force Member of Human Genetics & Genomics by DBT.
Dr Seema Kapoor	Considered as member of Science and Education Committee of the International Society for Newborn Screening
Dr. Seema Kapoor	Task Force Member of the Artificial Intelligence in Health by DBT
Dr Seema Kapoor	Considered as Honorary Auditor for Asia Pacific Society of Human Genetics
Dr. Seema Kapoor	Task Force Member of Rare Diseases by ICMR, DHR, MOHFW and DBT.
Dr. Seema Kapoor	Member of Task Force for Metabolic errors by the ICMR
Dr. Seema Kapoor	Member of advisory board of IVF and reproductive Biology center,MAMC, New Delhi
Dr. Seema Kapoor	Member Task force on Lysosomal storage Disorders by the ICMR
Dr. Seema Kapoor	Reviewer for Indian Pediatrics, Indian Journal of Pediatrics Journal of Pediatric Genetics & Metabolism, World Journal Of pediatrics
Dr. Seema Kapoor	Member of the small molecule group registry under the registry
Dr. Seema Kapoor	Member of the Central PNDT committee
Dr. Seema Kapoor	Member of the National Newborn Screening Committee
Dr. Seema Kapoor	Evaluator For DM thesis on Genetics & Immunology
Dr. Seema Kapoor	Examiner for DNB superspeciality of Medical Genetics
Dr. D.Mishra	Dr. D.Mishra was nominated to the Project review Committee on Child Health of ICMR.
Dr. Anurag Agarwal	Dr.ANURAG AGARWAL was nominated by the NATIONAL CENTRE FOR DISEASE CONTROL(agency) as expert advisor toDeveloping the National guidelines for management of animal bites.
Dr. Anurag Agarwal	As member of State Technical Advisory Group on Immunization from Delhi IAP.
Dr. Anurag Agarwal	As An expert for Inquiry committees for Delhi Medical Council
Dr. Romit Saxena	Participated in the Eleventh meeting of Anaesthetic, Resuscitation and Allied Equipment Sectional Committee, MHD 11, on 18.12.2019

14. Health Services to the Community:

Health centre activities/camp/drives/national programme etc.

Dr. S. Yadav	Invited panelist for DD Total Health on Importance of Immunization 22nd Dec 2019
Dr. Seema Kapoor	Disability Board for LN hospital for evaluation of challenged children.
Dr. Seema Kapoor	Helping support for formation of the Down Syndrome support group

15. Lab Data:

a) Name of the Lab: **Pediatric Research Lab & Genetic Lab**
b) Name and no of the test perform
c) Percentage of growth compared to last year.

S. NO	TEST	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	TOTAL
1	NH3	0	0	0	0	0	0	0	0	0	0	0	0	**0**
2	LACTATE	5	4	0	0	0	0	0	0	0	0	0	3	**12**
3	GCMS	7	1	1	0	1	17	50	40	48	45	47	58	**315**
4	DNA	131	87	121	123	121	88	117	107	89	123	102	104	**1313**
5	S-CUPPER	0	0	0	0	0	0	0	0	0	0	0	0	**0**
6	HOMOCYSEINE	6	4	2	1	1	2	0	0	0	0	0	0	**16**
7	CERULPOLASMIN	0	0	0	0	0	0	0	0	0	0	0	0	**0**
8	ENZYME	4	5	0	5	3	3	7	2	6	3	8	11	**57**
9	MPS	3	2	0	1	1	2	1	1	5	2	4	3	**25**
10	Arylsufatase	1	1	0	6	0	1	4	1	2	1	4	4	**25**
11	HPLC	67	23	28	23	63	28	0	2	0	0	8	1	**243**
12	BTD	2	2	4	1	4	3	1	1	2		5	4	**29**
13	G6PD	0	5	0	2	5	3	5	2	1	1	0	1	**25**
14	TSH	4	3	1	1	4	0	2	0	0	0	2	0	**17**
15	17OHP	3	3	4	5	2	5	0	1	6	1	5	1	**36**
16	T- GALT	0	0	0	0	0	0	0	0	0	0	0	0	**0**
17	AFP	0	0	0	0	0	0	0	0	0	0	0	0	**0**
18	C3	0	0	0	0	0	0	0	0	0	0	0	0	**0**
19	α1at	0	0	0	0	0	0	0	0	0	0	0	0	**0**
20	TTG	113	70	81	76	137	95	141	140	112	108	91	65	**1229**
21	PNS	72	53	35	48	22	28	35	23	23	14	22	16	**391**
22	TRIPLE	43	31	23	25	30	15	24	29	10	18	13	9	**270**
23	KARYOTYPE	42	37	30	40	73	73	40	38	56	21	61	53	**564**
24	TMS	176	90	95	23	129	93	83	65	64	77	71	68	**1034**
25	IMMUNOGLOBULIN PROFILE	2	1	0	0	0	1	1	0	0	0	0	0	**5**
26	GROWTH HORMONE	5	0	16	0	1	3	0	1	4	0	2	1	**33**
27	MOLECULAR ABCD GENE	0	0	0	0	0	0	0	0	0	2	0	0	**2**
28	MOLECULAR ARSA GENE	0	0	0	0	0	0	0	0	2	0	0	0	**2**
29	THALASSEMIA MUTATION	16	10	16	13	11	14	5	3	8	17	5	26	**144**
30	THALASSEMIA PRENATAL	16	10	16	7	5	5	6	1	3	7	2	15	**93**
31	SMA GENE	0	0	0	1	0	1	3	0	0	0	0	1	**6**
32	ACHONDROPLASIA	0	0	1	0	2	1	0	0	1	0	2	1	**8**
33	GAUCHER	0	0	0	4	0	0	1	0	0	0	1	0	**6**
34	NESTROF	296	256	326	387	360	355	337	348	340	341	310	315	**3971**
35	SMN GENE	0	0	0	0	0	0	0	0	0	1	3	2	**6**
36	VLCFA	0	0	3	4	0	12	5	7	6	2	1	0	**40**
37	CVS	0	0	0	0	0	0	0	0	0	1	0	0	**1**
38	Mitochondria Mutation	0	0	0	0	0	0	0	0	0	0	4	1	**5**
39	IEF	0	0	0	0	0	0	0	0	0	0	5	6	**11**
41	HLAB 27	0	0	0	0	0	0	0	0	0	0	6	5	**11**
42	DMD	0	0	0	0	0	0	0	0	0	0	6	8	**14**
43	CORD Blood	0	0	0	0	0	0	0	0	0	1	0	0	**1**
44	Ataxcia	0	0	0	0	0	0	0	0	0	0	0	8	**8**
	TOTAL	**1014**	**698**	**800**	**792**	**975**	**836**	**863**	**805**	**782**	**786**	**790**	**790**	**9931**

Clinical New Genetic cases in the Year 2018: 1500 (One thousand five hundred)
Follow up cases each week- ranging between13-30 every Monday, undergoing this year; Old cases followed up: 3200

16. New Facilities added:

Dr. U. Jhamb	Expansion of emergency and PICU services.
Dr. U. Jhamb	Start of dedicated pediatric oncology services in the department of Pediatrics.
Dr. Seema Kapoor	Automated Cytogentics with Idiogram
Dr. Seema Kapoor	Interphase FISH for 21, 18, 13
Dr. Deepak Kumar	Specialty clinic- Primary Immuno-deficiency Disorders. Friday 2 PM

17. **Any other worth mentioning information**.

Dr. U. Jhamb	Best thesis award given in MAMCOS annual conference to thesis of PG student Dr Akshita (Protocolized sedation versus usual sedation practice in mechanically ventilated children in Pediatric Intensive Care Unit.)
Dr. U. Jhamb	UGs from MAMC won the IAP quiz (Pediatrics) at Pedicon 2020.
Dr. U. Jhamb	Examiner DCH Pediatrics University of Delhi, April 2019
Dr. U. Jhamb	DNB Examiner at Chennai, November 2019
Dr. S. Yadav	Examiner MD Pediatrics University of Delhi, April 2019
Dr. S. Yadav	DNB Examiner at Hyderabad May 2019, Chennai 2019
Dr. Seema Kapoor	Dr Puja Chaudhary was awarded the IAP Delhi Dr. Satya Gupta Award during IAP Delhi Annual Day Function 2019 for best research in Social Pediatrics.
Dr Seema Kapoor	Travel Awards given to Mr Ankur Jindal(PhD student of the department) for his Phd Work to Singapore ISPD held on 8th Sep, 2019
Dr Seema Kapoor	Best Presentation Award given to Mr Bijo Varughese (PhD student of the department) in ISIEM, 2019 on 18th -20th Jan, 2019
Dr Seema Kapoor	ISIEM President Special Award or most innovative research work to Mr. Somesh Kumar (PhD student of the department) in ISIEM, 2019 on 18th – 20th Jan, 2019

PAEDIATRIC SURGERY

1. **Faculty**
   Director Prof. Dr. Yogesh Kumar Sarin, MS, DipNB, MCh, MBA (HCA)
   Prof.Dr. Simmi Kaur Ratan MCh
   Dr. Shasanka Shekhar Panda MCh
   Dr. Sujoy Neogi MS, DNB
   Dr. Chiranjiv Gupta, MS, MCh
   Dr. Prafull Kumar, MS, MCh; CMO (NFSG)

2. **Members who have left during the period-** Nil

3. **Addition to the faculty during the period-** Dr. Prafull Kumar, CMO (NFSG) (equated Assistant Professor for teaching purposes).

4. **Promotions-** Dr. SS Panda and Dr. S Neogi were promoted to Associate Professors.

5. **Research schemes**

a) **Ongoing projects**

   a. **Dr. SK Ratan** completed and submitted report ---Co-investigator in the ongoing intramural project:Distribution of Interstitial Cells of Cajal (ICC) in Hirschsprung disease: an immunohistochemical study.

   b. **Dr. SK Ratan**started project 'Occurrence of p53 gene mutations and chromosome anomalies of 1p in children with solid tumours' towards intramural institutional project. Coinvestigators include Dr. SS Panda and Dr. S. Neogi.

b) **Details about thesis completed/ongoing during the year-**

   1. Correlation of urinary biomarkers with the findings on renal dynamic scan in children diagnosed with unilateral hydronephrosis due to pelvi-ureteric junction obstruction. MCh Thesis of Dr Shishir Kumar. Supervisor- Dr YK Sarin **(completed and submitted to Delhi University)**
   2. Outcomes of open versus laparoscopic orchidopexy for unilateral impalpable undescended testes present close to the deep inguinal ring in children: a randomized control study. MCh Thesis of Dr. Aravindh Radhakrishnan.Supervisor- Dr YK Sarin **(completed and submitted to Delhi University)**
   3. Assessment of urinary bladder wall thickness and renal function in patients with posterior urethral valve**.** MCh thesis of Dr. Anju Verma Supervisor: Dr. SK Ratan **(completed and submitted to Delhi University)**
   4. Comparison of two staged hypospadias repair using urethral plate supplementation with and without raising glanular wings MCh thesis of Dr. Ravindranaik. Supervisor: Dr.SK Ratan, co-supervisor Dr YK Sarin **(completed and submitted to Delhi University)**
   5. Study of short-term outcomes of augmentation gastrocystoplasty in children as regards to its efficacy and complications. MCh thesis of Dr. Prakriti Giri. Supervisor- Dr YK Sarin **(ongoing)**
   6. Study of short-term surgical outcomes of Malone antegrade colonic enema in children. MCh thesis of Dr. Raghav Narang. Supervisor- Dr YK Sarin **(ongoing)**
   7. Prediction of complicated appendicitis using ultrasonography and inflammatory markers. MCh thesis of Dr. Arka Banerjee. Supervisor: Dr. SK Ratan, co-supervisor Dr YK Sarin **(ongoing)**
   8. Comparison of tubularised incised plate urethroplasty and meatus-based flip flap repair for distal penile hypospadias. MCh thesis of Dr.Mulgir Shivaji Dnyanoba. Supervisor: Dr. SK Ratan, co-supervisor Dr SS Panda **(ongoing)**
   9. Primary bowel anastomosis or Bishop Koop's stoma as the surgical management in jejuno-ileal atresia: a randomized trial. MCh thesis of Dr. Lianne D'Mello. Supervisor: Dr YK Sarin **(ongoing)**
   10. Nephron sparing surgery in management of non-syndromic non-metastatic unilateral Wilms' tumor. MCh thesis of Dr. Keshav Jindal. Supervisor: Dr YK Sarin **(ongoing)**
   11. Association of postoperative MRI finding with continence score in patients of anorectal malformation. MCh thesis of Dr. Saibal Chakraborty. Supervisor: Dr SK Ratan, co-supervisor Dr. S Neogi **(ongoing).**

12. Effect of sepsis on survival rate of esophageal atresia using Spitz classification. MCh thesis of Dr. Archana Mardi.Supervisor: Dr SK Ratan, co-supervisor Dr. SS Panda **(ongoing).**
13. Efficacy of cytology in small round cell tumors. MD (Pathology) thesis of Dr Deepika Rani. Co-supervisor Dr. YK Sarin **(ongoing).**

7. **Trainees from other agencies-** Nil
8. **Training courses/ Workshops organised**

1. Department of Pediatric Surgery organized the **12thPediatric Surgery Update 2019** from March 7th to 10th, 2019 with Director Prof. YK Sarin as the organizing chairperson and Dr. SS Panda as the organizing secretary. **Director Prof. YK Sarin, Dr. SS Panda and Dr. S Neogi delivered the following CME lectures:**

i. Sarin YK. Surgical techniques for management of vesico-ureteral reflux
ii. Sarin YK. Posterior urethral valves
iii. Sarin YK. Epispadias
iv. Sarin YK. Wilms' tumor
v. Panda SS. Ethical issues in fetal surgery
vi. Neogi S. Congenital diaphragmatic hernia

2. A CME on 'Child abuse-awareness and prevention' was held on November 15th, 2019 with Director Prof. YK Sarin as the organizing chairperson and Dr. Chiranjiv Kumar as the organizing secretary. **Dr. YK Sarin delivered following two lectures**:

i. Introduction to child abuse
ii. Role of Pediatric Surgeon in management of Child Sexual Abuse.

3. Delhi Chapter IAPS meet with Symposium on 'Management of posterior urethral valves' was held on December 14th, 2019 with Director Prof. YK Sarin as the organizing chairperson, Dr. Chiranjiv Kumar as the organizing secretary and Dr. Prafful Kumar as the Joint Secretary. **Dr. YK Sarin delivered lecture** 'Surgical management of vesico-ureteral reflux and bladder augmentation procedures in patient with posterior urethral valve'.
4. A CME/workshop for Ayush Health Professionals on Research Methodology was held on December 14th, 2019 with Director Prof. YK Sarin as the organizing chairperson and Dr. Chiranjiv Kumar as the organizing secretary. **Dr. YK Sarindelivered lecture** on "Publishing your research".

9. **Publication of research papers in indexed journals during the period**

1. **Sarin YK**, Kumar P. Split appendix technique for simultaneous use in mitrofanoff principle and posterior urethra substitution in a bladder exstrophy epispadias complex patient. J Indian Assoc Pediatr Surg. 2019; 24:65-7.
2. Jain N, Gupta V, Kumar A, Mathur NB, Khurana N, **Sarin YK**. Enterogenous cyst presenting as mediastinal mass in newborn. J Indian Assoc Pediatr Surg. 2019; 24:72-4.
3. **Sarin YK**, Kumar P. Female hypospadias- need for clarity in definition and management. J Indian Assoc Pediatr Surg. 2019;24(2):141-143.
4. Jha SK, Tomar V, **Sarin YK.** Neonatal neuroblastoma with Pepper syndrome. J Neonatal Surg. 2019; 8:3.
5. Kumar P, Panda SS, **Sarin YK.** Neonatal abdominal mass: Hydrometrocolpos to be kept as differential. J Neonatal Surg. 2019; 8:10.
6. Kumar P, Panda SS, Radhakrishnan A, **Sarin YK**. Neonatal adrenal mass with jaundice. J Clin Neonatol 2019; 8:170□1.
7. Varughese SA, Saxena KN, Taneja B, **Sarin YK**. Comparative evaluation of single level paravertebral block versus caudal block for postoperative analgesia in pediatric inguinal surgery. Northern Journal of ISA. 2017;2: 47□51.
8. **Sarin YK,** Kumar P. Antenatally diagnosed congenitalmesoblastic nephroma that recurred. J Neonatal Surg. 2019 (in press).
9. **Ratan SK**, Anand T, Ratan J. Formulation of research question---Stepwise Approach. J Ind Assoc Ped Surg 2019; 24 (1):15-20.
10. Sharma S, Joshi M, Gupta DK, Abraham M, Mathur P, Mahajan JK, Gangopadhyay AN, **Rattan SK**, Vora R, Prasad GR, Bhattacharya NC, Samuj R, Rao KLN, Basu AK. Consensus on the Management of Posterior Urethral Valves from Antenatal Period to Puberty. J Indian Assoc Pediatr Surg. 2019; 24(1):4-14.
11. **Neogi S**, Bansal S, **Ratan SK**, **Panda SS.** Gastric adenocarcinoma in a girl masquerading as Kochs' abdomen. Intl J Med Pediatr Oncol 2019; 5(1):44-6.

12. Kumar P, **Panda SS.** Lower limb ischemia causing forefoot amputation post misdirected intra-muscular injection: a case report. Chinese J Med Res. 2019; 2(1): 4-5.
13. Kumar P, **Panda SS**. Bronchial foreign body presenting as pneumothorax and pueumomediastinum: A strategic management. BAOJ Pediat 2019; 4:064.
14. **Ratan SK**, Kumar P, Jain A, **Panda SS**. "Colonic Atresia: A Differential Diagnosis to be Kept for Large Air Fluid Level on Roentgenogram". Scientific Journal of Paediatrics. 2019;1.1:18-20.
15. Kumar P, **Panda SS**, Sinha SK. Primary anterior abdominal wall abscess: a diagnostic dilemma. Orissa J Paediatr. 2019; 18(1,2):47-8.

10. **Books (Written/ edited)/Chapters contributed- Nil**

11. **Conference/ Workshops/ Symposia attended/ Paper presentation**

1. **Director Prof. YK Sarin** attended the following conferences:
   a. *14th Pediatric Endoscopic Surgeons of India Conference, PESICON 2019, February 14th-17th, 2019; AIIMS, Jodhpur.*
   b. *16th Annual Conference of the Maharashtra Chapter of Indian Association of Pediatric Surgeons, March 23rd-24th, 2019; SRCC Children's Hospital, Mumbai.*
   c. DOSCON 2019, Annual Conference of Delhi Ophthalmological Society; April 13th-14th; Ashoka Hotel, New Delhi.
   d. North India Pediatric Oncology Forum (NIPOF) meeting, July 20th, 2019; Sir Ganga Ram Hospital, New Delhi.
   e. IMPACT 2019- Platinum Jubilee celebrations of Medical Journal Armed Forces India (MJAFI) in collaboration with the Indian Association of Medical Journal Editors (IAMJE) and the World Association of Medical Editors (WAME)September 13th-15th, 2019;Armed Forces Medical College, Pune.
   f. IAPS Delhi Chapter meeting; September 21st-22nd, 2019; Manekshaw Centre, RR Hospital, New Delhi.
   g. PEDICON NZ & PCNI 2019, organized by IAP Delhi State Branch on 28th-29th September 2019; Le Meridian, New Delhi.
   h. 45th Annual National Conference of Indian Association of Pediatric Surgeons (IAPSCON-2019); October 30th- November 3rd, 2019; AIIMS, New Delhi.
   i. One-day faculty-development workshop on 'How to write a scientific paper', November 14th, 2019; Department of Pediatrics, Maulana Azad Medical College, New Delhi.
   j. CME on 'Child abuse-awareness and prevention', November 15th, 2019; Department of Pediatric Surgery, Maulana Azad Medical College, New Delhi.
   k. CNE workshop for nurses on "Pharmacovigilance for our safety"; November 27th, 2018; Maulana Azad Medical College, New Delhi.
   l. CME/workshop for Ayush Health Professionals on Research Methodology; December 14th, 2019; Maulana Azad Medical College, New Delhi.
   m. Symposium on 'Bio-markers for the management of critical illness: An Update' on December 20th, 2019 organised by Department of Biochemistry, GB Pant Institute of Postgraduate Medical Education & Research (GIPMER).
2. **Dr. S. Neogi and Dr. Chiranjiv Kumar** attended CME on rational use of medicine in public health facilities in Delhi, February 19th-22nd, 2019, organised by Department of Pharmacology, MAMC, New Delhi.
3. MCh residents attended and presented following papers/posters in *PESICON 2019, February 14th-17th, 2019; AIIMS, Jodhpur.*
   a. Kumar S, Sarin YK, Ratan SK, Panda SS, Neogi S. Anterior urethral valves-Experience from a tertiary care institute in India.
   b. *Noonavath RN,* Sarin YK, Panda SS, Neogi S. Atypical presentations of Meckel's diverticulum- role of diagnostic laparoscopy in management.
   c. *Radhakrishnan A,* Panda SS,Sarin YK, Neogi S, *Verma A, Noonavath RN.* Prostatic utricle cyst – varied manifestations and endoscopic management in 3 children.
   d. *Verma A,* Neogi S*, Radhakrishnan A,* Sarin YK, *Noonavath RN, Bansal S.* Laparoscopic management of giant omental cyst.
4. **Prof. SK Ratan** attended International Conference on Occupational and Environmental Heath in February 2019 at LHMC, New Delhi.
5. MCh residents Dr. Aravindh Radhakrishnan, Dr. Shishsir Kumar, Dr. Anju Verma and Dr. *Noonavath* RN North India Pediatric Oncology Forum (NIPOF) meeting, July 20th, 2019; Sir Ganga Ram Hospital, New Delhi.

6. MCh residents Dr. Aravindh Radhakrishnan, Dr. Anju Verma and Dr. Ravinder Naik attended the first National meeting on Congenital Diaphragmatic Hernia 2019 organized by the Department of Pediatric Surgery, Apollo, Indraprastha New Delhi on September 15th, 2019.
7. **Director Prof. YK Sarin and Prof. SK Ratan** attended Workshop on Curriculum Development & Implementation (CDI) for in-house faculty of MAMC, September 25th-27th, 2019 organized by Medical Education Department, MAMC, New Delhi.
8. Dr. Nitin Jain MCh alumnus presented Jain N, Kumar S, **Sarin Y**. Wilms' tumor revisited. In: 51st Annual Congress of SIOP; October 23th-26th, 2019 in Lyon, France.
9. Faculty **Prof. SK Ratan, Dr. SS Panda, Dr. S Neogi and Dr. Chiranjiv Kumar** and MCh residents attended and presented following papers/posters in 45th Annual National Conference of Indian Association of Pediatric Surgeons (IAPSCON 2019) October 30th- November 3rd, 2019; AIIMS, New Delhi.
   a. Kumar A**,** Ratan SK, Khurana N, Kumar J, Sarin YK. Assessment of distribution of interstitial cell of Cajal like cell across upper urinary tract region in children with pelvic ureteric junction obstruction.
   b. Kumar S, Verma A, Sarin YK. Embryonal sarcoma of liver- a rare tumor with uncommon presentation.
   c. Kumar S, Narang R, Sarin YK. Extrahepatic hepatoblastoma-an extremely rare occurrence.
   d. Kumar S, Sarin YK, Ratan SK, Panda SS, Neogi S. Anterior urethral valves-Experience from a tertiary care institute in India.
   e. Radhakrishnan A, Sarin YK, Kumar S, Kumar A. Giant choledochal cyst of infancy- a case report.
   f. Radhakrishnan A, Panda SS, Sarin YK, Kumar S. Pharyngocutaneous fistula following accidental foreign body ingestion.
   g. Radhakrishnan A, Neogi S, Panda SS, Sarin YK, Kumar S.Thoracic neurenteric cyst presenting with bleeding per rectum in an infant- an unusual presentation.
   h. Kumar S, Ratan SK, Panda SS, Neogi S, Sarin YK. Anterior urethral valve: Experience from a tertiary care institute in India.
   i. Panda SS, Kumar S, Kumar A. Post traumatic pyloroduodenal transection- a surgical challenge.
   j. Panda SS,Radhakrishnan A, Banerjee A, Neogi S, Ratan SK. Persistent post traumatic urinoma managed by minimal invasive techniques.
   k. Ratan SK, Noonavath RN, Panda SS, Verma A, Neogi S. Pneumo□omentocele □ a sign of silent lethal neonatal transverse colon perforation.
   l. Radhakrishnan A**,** Neogi S, Panda SS, Ratan SK. Intestinal ascariasis – what's the end point of conservative management?
   m. Verma A, Neogi S, Radhakrishnan A, Panda SS, Ratan SK. Atypical cause of fever in a case of diverted TEF.
   n. Verma A, Neogi S, Panda SS, Ratan SK. Comparison of reinforcing tunica vaginalis flap (TVF) and dartos flap (DF) to tubularized incised plate (tip) urethroplasty in distal penile hypospadias.
   o. Kumar C, Ratan SK. Symmetrical pyopagus twins surgical separation in a tertiary centre
   p. Neogi S, Radhakrishnan A, Noonavath RN, Kumar A, Panda SS, Ratan SK. Mesenteric chyloma in a neonate: rare clinical entity.
   q. Ratan SK, Panda SS, Neogi S. Clinical and management profile of children with acute appendicitis: an observational study from a tertiary care centre.
   r. Narang R, Radhakrishnan A, Panda SS, Neogi S, Ratan SK. Giant chylolymphatic cyst presenting as midgut volvulus in a toddler.
   s. Noonavath RN,Ratan SK, Panda SS, Neogi S. Modified durham smith two stage urethroplasty for proximal hypospadias□ our experience.
   t. Ratan SK**,** Noonavath RN, Verma A, Panda SS, Neogi S, Aggarwal SK. Profile of ileal perforation in children -5years audit from a tertiary referral centre.
   u. Banerjee A,Zulpi PK, Garg A, Panda SS, Bansal S, Ratan SK. extensively metastatic adrenocortical tumour□ case for the option of "non-intervention".
   v. Kumar S, Panda SS, Radhakrishnan A. Spontaneous resolution of CCAM- a rare presentation.
   w. Kumar S, Radhakrisnan A, Neogi S. CPAP belly syndrome vs Jodhpur disease: Diagnostic dilemma in a neonate.
10. **Dr. SS Panda and Dr. Chiranjiv Kumar** attended MCI Revised Basic Course Workshop in Medical Education Technologies for MEU Workshop on MCI Revised Basic course December 3rd-5th, 2019 organized by Medical Education Department, MAMC, New Delhi.
11. **Dr. SS Panda and Dr. Chiranjiv Kumar** attended AETCOM Workshop December 6th, 2019 organized by Medical Education Department, MAMC, New Delhi.

12. **Dr. Chiranjeev Kumar** and MCh resident Dr. Shishir Kumar had attended one-day faculty-development workshop on 'How to write a scientific paper', November 14th, 2019; Department of Pediatrics, Maulana Azad Medical College, New Delhi.
13. MCh residents attended and presented following papers in Delhi State Chapter IAPS meet on December 1st, 2019 in MAMC, New Delhi.
    a. Kumar S, Jain N, Sarin YK. Wilms' tumor revisited-NWTSG vs SIOP.
    b. Sarin YK,Radhakrishnan A, Kumar S, Kumar C, Giri P, Narang R. Augmentation uretero-cystoplasty in a child with solitary ectopic kidney using a novel technique.
    c. *Noonavath RN,* Sarin YK, Panda SS, Neogi S. Atypical presentations of Meckel's diverticulum- role of diagnostic laparoscopy in management.
    d. *Verma A*, Neogi S*, Radhakrishnan A,* Sarin YK, *Noonavath RN, Bansal S*. Laparoscopic management of giant omental cyst.
    e. Giri P, Sarin YK, Radhakrishnan A, Kumar S, Narang R. Combined MACE & Mitrofanoff procedures using the 'split-appendix technique' for feco-urinary incontinence.
    f. Sarin YK, Narang R, Giri P, Kumar S, Radhakrishnan A. Meckel's diverticulum fistulating into rectum – An extremely uncommon presentation.
    g. Banerjee A, Ratan SK, Panda SS, Neogi S. Clinical and management profile of children with acute appendicitis: an observational study from a tertiary care centre.
    h. Mulgir S, Ratan SK. Patterns of infection in surgical neonates in a tertiary referral centre of a developing country.
14. **Director Prof. YK Sarin** co-authored following 2 e-posters in 68th Annual National Conference of Indian Association of Pathologists and Microbiologists (IAPM) and Indian Academy of Pathology- India Division; December 5th- 8th, 2019; (IAP-ID); PGIMER, Chandigarh.[E-Poster Presentation. Indian J Pathol Microbiol. 2019; 62, Suppl S1:43-104].
    a. Amritha PS, Chaudhary D, Mallya V, Mandal S, Tomar R, Khurana N, Sarin YK. Spectrum of pediatric liver tumors.
    b. Tomar R, Thakur S, Mallya V, Manadal S, Khurana N, Sarin YK. Childhood rhabdomyosarcoma with anaplastic (pleomorphic) features and its correlation with histological subtypes.
15. MCh residents Dr. Aravindh Radhakrishnan and Dr. Shishir Kumar attended Hands-on workshop on liver resection during SOS-IAPS, December 20th, J & J Centre, Mumbai.
16. MCh residents attended and presented following papers/posters in Annual conference of SOSCON, SOS-IAPS (Surgical Oncology section of Indian Association of Pediatric Surgeons), December 21st-22nd, Taj Land Ends Hotel, Mumbai.
    a. Kumar S, Jain N, Sarin YK. Wilms' tumor revisited-NWTSG vs SIOP.
    b. Sarin YK, Radhakrisnan A. Outcomes of pediatric liver resections in a resource-restricted setting.

12. **Distinguished visitors- Nil**

13. **Significant events (Honors to Faculty)**
    1. **Director Prof. YK Sarin** continues to be honorary **editor-in-chief** of an electronic quarterly scientific journal - **Journal of Neonatal Surgery** (www.jneonatalsurg.com).
    2. **Director Prof. YK Sarin** continues to be honorary Deputy Editor in Chief, International Journal of Paediatrics and Neonatology (https://actascientific.com/IJPN.php).
    3. **Director Prof. YK Sarin** continues to be honorary Editor, Journal of Advanced Pediatrics and Child Health (https://www.heighpubs.org/japch/editors.php).
    4. **Director Prof. YK Sarin** continues to be honorary Editor, Open Access Journal of Surgery (OAJS) http://juniperpublishers.com/oajs/editorialboard.php.
    5. **Director *Prof. YK Sarin*** *continues to be* member of the Editorial Board *of following journals:*
        a. Indian Journal of Pediatrics since 2004.
        b. Global Journal of Medical Sciences since 2010.
        c. World Journal of Clinical Pediatrics published from Beijing, China since 2011.
        d. Open Pediatrics Medicine journal since 2010
        e. Frontiers in Surgery since 2012.
        f. Wudpecker Journal of Educational Research since 2013.
        g. Advances in Surgical Sciences (Science Publishing Group) since 2013.

h. Journal of Indian Medical Association (JIMA) since 2013.
i. APSP Journal of case reports since 2013.
j. Journal of Pediatrics and Neonatal Care since 2014.
k. Pediatric Hematology Oncology since 2014.
l. Pediatric Education and Research since 2015.
m. Research in Pediatrics & Neonatology since 2017.
n. Journal of Nephrology Forecast since 2017.
o. Journal of Surgery Forecast since 2017.
p. Journal of Urology Forecast since 2017.

6. **Director *Prof. YK Sarin*** was reviewer for following scientific journals this year:
   a. Medical Journal of Dr. D.Y. Patil University
   b. Pediatric Hematology and Oncology Journal
   c. Oxford Medical Case reports
   d. Indian Journal of Health Sciences and Biomedical Research (KLEU)
   e. Pediatric Education and Research
   f. Journal of Clinical and Diagnostic Research
   g. Journal of Indian Association of Pediatric Surgeons
   h. Medical Case Reports
   i. Indian Journal of Medical Research
   j. EC Pediatrics
   k. Archives of Medicine and Health Sciences
   l. Indian Journal of Pediatrics
   m. Urology Journal
   n. Research in Pediatrics & Neonatology
   o. Urology Annals
   p. International Research Journal of Public and Environmental Health
   q. Indian Journal of Medical Research
   r. Tumor Biology.
   s. Archives of International Surgery
   t. BMJ Case Reports
   u. Journal of Advances in Medical and Pharmaceutical Sciences
   v. Archives of International Surgery
   w. Pediatric Urology Case Reports
   x. APSP J Case Reports
   y. Journal of College and Physicians and Surgeons of Pakistan
   z. Journal of Child Science

7. **Director Prof. YK Sarin**continues to be Medical Superintendent, Advanced Pediatric Centre, Lok Nayak Hospital, New Delhi and he also served as Director, Chacha Nehru Bal Chikatsalya (CNBC) for a fortnight from 3/10/19 to 18/10/19.
8. **Director Prof. YK Sarinwas conferred the following awards**
   a. Fellowship of Indian Academy of Pediatrics (FIAP) on February 7th, 2019 during PEDICON 2019- 56th Annual Conference of the Indian Academy of Pediatrics (IAP).
   b. Rejoice AYUSH Promotion Award 2019 for Yoga by Rejoice Health Foundation on November 17th, 2019 in New Delhi.
   c. BHARAT KE ANMOL RATNA AWARDS – 2019" in Lifetime Achievement category by Tejasvi Astitva Foundation on December 21st, 2019 in Hyderabad.
9. **Director Prof. YK Sarin*chaired a session*** *on 'Thoracoscopy' during 14th Pediatric Endoscopic Surgeons of India Conference, PESICON 2019, February 14th-17th, 2019; AIIMS, Jodhpur.*
10. **Director Prof. YK Sarin*chaired a session*** *on recent advancesduring 16th Annual conference of the Maharashtra Chapter of Indian Association of Pediatric Surgeons, March 23rd-24th, 2019; SRCC Children's Hospital, Mumbai.*
11. **Director Prof. YK Sarindelivered lecture** 'Pediatric solid tumors and eye signs' in DOSCON 2019, Annual Conference of Delhi Ophthalmological Society; April 13th-14th; Ashoka Hotel, New Delhi.

12. **Director Prof. YK Sarinwasinvited as faculty** in Pediatric Surgery Exit Exam module in St. John's Hospital; June 8th-9th, 2019; St. John's Hospital, Bengaluru.
13. **Director Prof. YK Sarinwas invited as Panelist** on Case Discussions on Rhabdomyosarcoma during North India Pediatric Oncology Forum (NIPOF) meeting, July 20th, 2019; Sir Ganga Ram Hospital, New Delhi.
14. **Director Prof. YK Sarindelivered following lectures** on IMPACT 2019- Platinum Jubilee celebrations of Medical Journal Armed Forces India (MJAFI) in collaboration with the Indian Association of Medical Journal Editors (IAMJE) and the World Association of Medical Editors (WAME)September 13th-15th, 2019;Armed Forces Medical College, Pune.

a) 'Expert tips for writing a case report' in the Instructional Course titled 'The Case Report'.
b) 'Conflict of interest' in the workshop 'Ethics in medical publications'.

15. **Director Prof. YK Sarindelivered lecture** on "Not again"- recurrent trachea-esophageal fistula in a CME on "Pediatric Esophageal Disorders" during IAPS Delhi Chapter meeting; September 21st-22nd, 2019; Manekshaw Centre, RR Hospital, New Delhi.
16. **Director Prof. YK Sarinchaired session** titled 'Mixed Bag' PEDICON NZ & PCNI 2019, organized by IAP Delhi State Branch on 28th-29th September 2019; Le Meridian, New Delhi.
17. **Director Prof. YK Sarindelivered guest lecture** on 'Esophageal atresia'; October 16th, 2019; Deptt of Surgery, Haldwani Govt. Medical College, Haldwani.
18. **Director Prof. YK Sarindelivered guest lecture** on'Wilms tumor: Paradigmshift in the management of unilateral tumors' during IAPSCON-2019; October 30th- November 3rd, 2019; AIIMS, New Delhi.
19. **Director Prof. YK Sarindelivered lecture** on 'Writing title, abstract and introduction' in one-day faculty-development workshop on 'How to write a scientific paper', November 14th, 2019; Department of Pediatrics, Maulana Azad Medical College, New Delhi.
20. **Director Prof. YK Sarindelivered lecture** on'Nurses: Role in strengthening pharmacovigilance' in CNE workshop for nurses on "Pharmacovigilance for our safety"; December 12th, 2019; Maulana Azad Medical College, New Delhi.
21. **Director Prof. YK Sarin**participated in debate talking Pro: **Biomarkers always help me in clinical decision-making** during symposium on 'Bio-markers for the management of critical illness: An Update' on December 20th, 2019 organized by Department of Biochemistry, GB Pant Institute of Postgraduate Medical Education & Research (GIPMER).
22. **Director Prof. YK Sarinwas Convenor** and*Internal Examiner for University of Delhi MCh exit exam held in MAMC New Delhi in July 201 and December 2019.*
23. **Prof. SK Ratan** was reviewer for following scientific journals this year:
    a. Indian Journal of Pediatrics
    b. Journal of Indian Association of Pediatric Surgeons
    c. Frontiers in Pediatrics.
    d. Journal of Neonatal Surgery.
24. **Prof. SK Ratan** was *invited as external examiner for MCh Pediatric Surgery exam held at SCB Medical College on July 22nd, 2019.*
25. **Prof. SK Ratan** was reviewer for following scientific journals this year:
    e. Indian Journal of Pediatrics
    f. Journal of Indian Association of Pediatric Surgeons
    g. Frontiers in Pediatrics
    h. International J Urology
    i. Indian Pediatrics
26. **Prof. SK Ratan** delivered lecture on 'Occupational hazards in surgeons' in International Conference on Occupational and Environmental Heath in 2019 at 2019 at LHMC, New Delhi.
27. **Prof. SK Ratan**delivered lecture on 'Rachipagus—neurosurgical aspects' in Conjoint twins Conference at 2019 at AIIMS, New Delhi.
28. **Prof. SK Ratan** was elected as executive member of Delhi State Chapter of IAPS.
29. **Dr. S Neogi delivered '***Management of pediatric surgical cases' in Department of Pediatric, UCMS in November 2019.*
30. **Dr. S Neogi** was reviewer for following scientific journals this year:
    a. Indian Journal of Pediatrics
    b. Journal of Indian Association of Pediatric Surgeons

29. **Representation on expert committees/bodies**

1. **Director Prof. YK Sarin was subject expert for selection of permanent faculty** for the following:
    a. AIIMS, Jodhpur on May 3rd,2019 and September 9th, 2019.
    b. AIIMS, Raipur on August 8th, 2019.
    c. Banaras Hindu University (BHU) on August 27th, 2019.
2. **Director Prof. YK Sarin** was subject expert forselection of contractual faculty in MAMC on December 12th, 2019.
3. **Prof. SK Ratan**OBC representative for selection panel at Superspecialty Hospital Noida on May 25, 2019.
4. **Prof. SK Ratan** served as external expert for selection of contractual faculty forAtal Bihari Vajpayee Institute of Medical Sciences (ABVIMS), Delhi on September 18th, 2019 and December 4th, 2019.
5. **Prof. SK Ratan** served asOBC representative for selection panel at MAMC, Pediatrics regular Senior Resident on December 5th, 2019.
6. **Prof. SK Ratan, Dr. SS Panda and Dr. S Neogi** represented in Hospital Purchase and/ or Maintenance Committee.
7. **Prof. SK Ratan** participated as expert in medical board for assessing disability.

16. **Health Services to the community-**

17. **Lab Data-**

18. **New Facility added- Nil.**

19. **Any other relevant academic information worth mentioning-**

1. Director Professor Dr. YK Sarin did a course on Health Promotion through Ayurveda and Yoga conducted by Indian Red Cross Society (fity hours program) in collaboration with Central Council of Research in Ayurveda and Sidha and Morarji Desai Institute of Yoga, New Delhi; June 25th to September 24th, 2019; National Headquarters of Indian Red Cross Society, New Delhi.
2. Assessment of distribution of Interstitial cells of Cajal across upper urinary tract region in children with pelvic ureteric junction obstruction and its correlation with renal sonological parameters. MCh thesis of Dr. Ashish Kumar Tiwari. Supervisor: Prof. SK Ratan, co-supervisor Director Prof. YK Sarin **(completed and submitted to Delhi University) was nominated for UC Chakravarty award at IAPS conference held at AIIMS New Delhi on November 1st-3rd, 2019.**

PATHOLOGY

Name of the Department- Pathology

1. **Name of the Head of the Department: Dr Nita Khurana**

S no	Name of the Faculty	Designation
1	Dr Shyama Jain	Director Professor
2	Dr Nita Khurana	Director Professor & Head
3	Dr Sarika Singh	Professor
4	Dr Shramana Mandal	Professor
5	Dr Prerna Arora	Associate Professor
6	Dr Reena Tomar	Associate Professor
7	Dr Nidhi Verma	Associate Professor
8	Dr Meeta Singh	Associate Professor
9	Dr Varuna Mallya	Associate Professor
10	Dr Parul Tanwar	Assistant Professor
11	Dr Khuraijam Bembem	Assistant Professor

2. **Members who have left during the period-** None
3. **Additions to the Faculty during the period-** None
4. **Research Scheme-**

(a) - On Going-

1. Role of Cytology in characterisation of primary skin tumours. Dept of Pathology and Dermatology 2018-2021 By Dr Shabnam under Dr Shyama Jain
2. Clinical Assessement of people living with HIV (PLHIV) with malignancies.Dept of Medicine and Pathology. 2017-2020 –Dr Shyama Jain co supervisor
3. Role of Diffusion weighted Imaging in the evaluation of Renal Masses. 2017-2020 (Departments of Radiodiagnosis, Pathology and Surgery) Dr Shyama Jain co supervisor
4. Ultrasonography based Thyroid Imaging Reporting and data System (TIRADS)in risk stratification of alignancy in Thyroid nodules. 2017-2020 (Departments of Radiodiagnosis, Pathology) Dr Shyama Jain co supervisor
5. Assessment of hormone receptor expression heterogeneity in carcinoma breast: An immunohistochemical study by Dr. Priyanka Yadav **Under Dr Nita Khurana.**
6. Diagnostic Utility of IHC and DIF in Primary cicatricial alopecia by Dr Yankila with Dr Nita Khurana As supervisor
7. Prognostic significance of intramural and extramural lymphovascular invasion in colorectal carcinoma- By Dr Amritha P S under supervisor ship of Dr Varuna Mallya and co supervisor ship of Dr Nita Khurana
8. Fat Clearing versus manual dissection of axillary specimens of carcinoma breast - By Dr Raunak Ahalawat under supervisor ship of Dr Varuna Mallya and co supervisorship of Dr Nita Khurana
9. MRU Project submitted, approved titled : Expression of kmt2a/mll gene translocations in pediatric acute lymphoblastic leukemia by fluorescence in situ hybridisation and its correlation with flow cytometry and polymerase chain reaction By Dr Sarika Singh
10. Thesis Neha Prashar. Thesis titled: Expression of E-cadherin, Vimentin and CD44 in malignant epithelial ovarian tumors.supervisor ship of Dr Shramana Mandal
11. Thesis Dheeraj Dr. Guddanti dheeraj kumar.Thesis titled:To study the association ofLymphocytes, Macrophages andDendritic cells infiltration inEndometrial Carcinoma. supervisor ship of Dr Shramana Mandal
12. Dr Reena Tomar is Co supervisor in intramural ongoing project on “manual liquid based cytology”
13. Morphological and Immunohistochemical Study of Human Papillomavirus-Related Carcinomas of the Sinonasal tract by Dr. Khuraijam Bembem. As investigator and Dr Nita Khurana As co investigator
14. **B**RAF mutation profile in AUS/FLUS lesions on Thyroid FNAC with mmunohistochemical expression of VE1 on cell block preparations. Meeta Singh, Shyama JainShramana Mandal, Binita Goswami, Vikas Malhotra, Anurag Mishra. (2019-2020) T
15. hesis: Cytological expression of hTERT, CD56, HBME-1 in thyroid neoplasm by Dr Anjali Mittal under supervisor ship of Dr Meeta singh
16. Expression of WT1, Cylin D1 and p53 in acute leukemia by Dr Priyanka Bellichuki Under Dr Prerna Arora.
17. Extra-mural projectevaluating the utility of artificial intelligence in differential diagnosis of thyroid tumors viz Non -invasive follicular thyroid neoplasm with papillary like nuclear features (NIFTP), follicular variant of

papillary thyroid carcinoma (FVPTC), classical papillary thyroid carcinoma (cPTC), follicular adenoma (FA) and hyperplastic/adenomatous nodules (HTN) By Dr Meeta Singh with Dr Shipra Aggarwal, AIIMS as PI

18. Flow cytometric analysis of CD200, CD27, CD81 and CD56 in plasma cells disorders.Dr Chumbeni Ngullie Under Dr. Sarika singh
19. Comparative assessment of the Paris system for reporting urine cytology with the conventional system of reporting in the diagnosis of urinary bladder carcinoma. Dr Vindhyaprabha Hegde under Dr Nidhi Verma and Dr. S. Jain
20. Expression of BCL 6 and p53 in CML. Dr Rakesh under Dr. Prerna Arora
21. Efficacy of cytology in small round cell tumors. Dr Deepika under Dr Nidhi Verm
22. Expression of kmt2a/mll gene translocations in pediatric acute lymphoblastic leukemia by fluorescence in situ hybridisation and its correlation with flow cytometry Dr. Shubra Singhal Thesis under Dr Sarika Singh

(b) Details of thesis completed during the current year-

1. Effect of Iron Defficiency Anemia on Immune status in children. Dept of Pathology, Pediatrics and Biochemistry 2017-2020 by Dr Nimisha under Dr Shyama Jain
2. Study of phenotypes of preterm birth syndromes and their association with neonatal outcomes. Departments of Neonatology and Pathology. 2016-2019 Under co supervisorship of Dr Shyama Jain
3. Immunohistochemical Expression of EBV in Hodgkin Disease. 2016-2019. Departments of Pathology Medicine and Surgery Under co supervisorship of Dr Shyama Jain
4. To assess the utility and limitations of Fine needle aspiration cytology in the diagnosis of Jawlesions. 2017-2020. (Departments of Pathology, ENT and Oral Pathology) co supervisor ship of Dr Shyama Jain
5. Application of the Milan system for reporting salivary gland cytology' and its histological correlation for risk stratification. By Dr Bhagyashree Under Dr S Jain
6. Immunohistochemical Staining For Immunoglobulins In Cutaneous vesiculobullous Lesions: Comparison With Direct Immunofluorescence. Dr Deepika Rana under supervisor ship of Dr Nita Khurana
7. Role of Doppler sonography and MRI in postabortion and postpartum patients with abnormal bleeding pervaginum Dr. Swasti Pathak As co supervisor under Dr Nita Khurana
8. Thesis: student Lity Dhar Thesis titled: Association of Human Papilloma virus and Epstein Barr virus with Squamous cell carcinoma of Upper aero digestive tract under supervisor ship of Dr Sarika Singh
9. Thesis student kanika Gupta thesis Titled: To study the expression of p16, EGFR and CD44 in Squamous Cell Carcinoma Uterine Cervix.supervisor ship of Dr Shramana Mandal
10. To assess the utility and limitations of fine needle aspiration cytology in diagnosis of jaw lesions by Dr Shruti Thakur Under Dr N Verma.
11 STS project completed: Evaluation of use of rpmi-medium to preserve cell morphology in pleural / peritoneal effusions by Arman Seith under supervisor ship of Dr Meeta singh
12 INTRAMURAL : Distribution of intersitial cells of cajal (icc) in hirshsprung disease: An immunohistochemical study dr. Prerna arora

5. Trainees from other agencies- MLT students from various Delhi govt institutes for practical training in the histopathology, hematology and cytology laboratories

6. Training Course/ Conferences/Workshops organized:

- Cytology workshop on "Cytological approach to lymph node lesions" organised by Department of Pathology, MAMC, New Delhi on 23rd Feb 2019.
- Delhi state Annual Conference of Indian Association of pathologists and Microbiologists -DAPCON 2019 organised by Department of Pathology, MAMC, New Delhi on 17th March 2019.
- Workshop on "Bone Marrow Biopsy Immunohistochemistry" during 60 Annual Conference of Indian Association of Hematology and transfuion Medicine Hematocon , Organised by Department of Pathology,MAMC, New Delhi on 7th NOv 2019.

7. Publications during the period-

Clinico-radiological Follow up of Familial Aggressive Cherubism: A Case Series

1. Gupta S, Garg A, Bhandri PS, Kapoor S, Jain S, Trehanpati, Reichenberger, Khusboo. Oral Surg Oral Med Oral Pathol Oral Radiol 2019; doui.org/10.1016.j.0000.2019.01.082 (ahead of print)
2. Use of panel of markers in serous effusion to distinguish reactive mesothelial cells from adenocarcinoma. Subbarayan D, Bhattacharya J, Rani P, Khuraijam B, Jain S. J Cytol 2019;36: 28-4.

3. Linear Lichen Nitidus with Onychodystrophy in a Child. Relhan V, Sandhu J, Garg VK, Khurana N.Indian J Dermatol. 2019 Jan-Feb;64(1):62-64
4. Direct immunofluorescence findings in cicatricial alopecia: A retrospective study of 155 cases.Agarwal R, Singh M, Dahiya R, Singh V, Chaudhary D, Khurana N, Garg VK.Indian J Pathol Microbiol. 2019 Jan-Mar;62(1):103-106.
5. Enterogenous Cyst Presenting as Mediastinal Mass in a Newborn.Jain N, Gupta V, Mathur NB, Kumar A, Khurana N, Sarin YK.J Indian Assoc Pediatr Surg. 2019 Jan-Mar;24(1):72-74.
6. A Study on Neck Nodes in Oral Cancers, with Special Reference to Skip Metastasis.
Patel S, Singh I, Gulati A, Khurana N.
7. Gingival manifestations of tuberculosis in pediatric patients: series of 4 cases.Gupta S, Vats P, Jha A, Singh K, Ghosh S, Tandon S, Khanna A, Kapoor S, Khurana N.Oral Surg Oral Med Oral Pathol Oral Radiol. 2019
8. Evaluating *NISCH* and *CDH1* Promoter Hypermethylation in Nonsmokers, Cancer Free Smokers and Lung Cancer Patients: A Case Control Study.Krishnamurthy K, Mishra TK, Saxena A, Daga MK, Khurana N, Masroor M, Jamatia E. Indian J Clin Biochem. 2019 Oct;34(4):458-464.
9. Incidentally detected acalculous tubercular cholecystitis: A rare case report with a comprehensive review of literature.Chaudhary D, Kaur N, Mandal S, Khurana N, Singh CB.
Indian J Pathol Microbiol. 2019 Oct-Dec;62(4):627-628.
10) Intraoperative Scrape Cytology from Ovarian Masss Lesions: A Study of 81 Cases. Gupta AJ, Singh M, Bhattacharya JB, Anusha S, Jain S, Khurana N. J Cytol. 2019 Jul-Sep;36(3):174-179.
11) Bilateral ovarian fibromas with concomitant unilateral serous cystadenoma: a rare case with review of literature.Singh V, Kaur N, Mandal S, Khurana N, Bhasin S.J Obstet Gynaecol. 2019 Oct;39(7):1027-1029
12) Cytological evaluation of pericardial fluids: A 5 years experience in tertiary care center.
Yadav S, Singh M, Singh P, Mandal S, Khurana N, Jain SLIndian J Pathol Microbiol. 2019 Apr-Jun;62(2):270-273.
13 Tumor budding in infiltrating breast carcinoma: Correlation with known clinicopathological parameters and hormone receptor status. Agarwal R, Khurana N, Singh T, Agarwal PN. Indian J Pathol Microbiol. 2019 Apr-Jun;62(2):222-225
14 Utility of fine needle aspiration cytology to diagnose intraoral tuberculosis and other oral granulomatous lesions.Agarwal R, Singh M, Sharma S, Jaiswal A, Jain SL, Khurana N, Meher R. Diagn Cytopathol. 2019 Mar;47(3):156-159
15 Primary Laryngeal Tuberculosis: A Series of 15 Cases.Agarwal R, Gupta L, Singh M, Yashaswini N, Saxena A, Khurana N, Chaudhary D. Head Neck Pathol. 2019 Sep;13(3):339-343
16 Primary tubercular dacryocystitis - a case report and review of 18 cases from the literature.
Sagar P, Shankar R, Wadhwa V, Singh I, Khurana N.Orbit. 2019 Aug;38(4):331-334
17. Bains L, Bhatia S, Kaushik R, Jain SK, Singh CB, Mandal S, Kaur D.Pre-sternal thyroid swellings: a case of rare aberrant site recurrence and review of literature.Thyroid Res. 2019 Nov 21;12:12.
18. Lal P, Bains L, Sawant G, Saini R, Mandal S.Giant filarial retroperitoneal cyst: a diagnostic dilemma.Trop Med Health. 2019 Jun 13;47:37. \
19. Sagar P, Rajpurohit P, Singh I, Mandal S.Giant De Novo Pleomorphic Adenoma of Parapharyngeal Space, Can It Cause Spinal Deformity? A Case Report.Spine Deform. 2019 May;7(3):505-508.
20. Agarwal R, Sinha D, Tomar R, Mandal S, Bains L, Jain S.Primary malignant peripheral nerve sheath tumor of the breast.Breast J. 2019 Jul;25(4):742-745.
21 Sunil Pasricha, Meenakshi Kamboj, Parul Tanwar, Gurudutt Gupta, Manoj Panigrahi, Anila Sharma, Garima Durga, Anurag Mehta.Immunophenotyping of Male Breast Cancer - Experience at a Tertiary care Centre. Indian J Pathol Microbiol 2019;62:226-31.
22. Pal S, Jain A, Chopra A, Singh M.Case 2: A Newborn with a Changing Rash.Neoreviews. 2019 Dec;20(12):e740-e743
23 . Giant villous adenoma of rectum- what is the malignant potential and what is the optimal treatment? A case and review of literature.Bains L, Lal P, Vindal A, Singh M.World J Surg Oncol. 2019 Jun 25;17(1):109.
24. Spontaneous regression of giant cell tumor of the wrist: Myth or fact? A case report.
Mallya V, Gupta L, Khurana N, Maini L.Indian J Pathol Microbiol. 2019 Apr-Jun;62(2):346-348.
25. ylene-free staining: Is it possible and practical?Yadav S, Mallya V, Khurana N.Indian J Pathol Microbiol. 2019 Apr-Jun;62(2):274-278.
26. Utility of Trucut Biopsy in Diagnosing Phyllodes Tumor.Chaudhary D, Singh V, Mallya V, Mandal S, Khurana N, Singh R.J Midlife Health. 2019 Jul-Sep;10(3):135-140

27. Neonatal neuroblastoma and pepper syndrome. A case report. J Neonatal Surg 2019 ;8:1-3. Jha SK, Tomar R, Sarin YK

8 . Books/ Chapters/Contributed-

Yadav R**, Verma N, Singh M.** Essentials of Practical Pathology. Revised !st Edition. Elevier Ahuja Publications

9 Conferences/Workshops/Symposiums attended-

- Annual Conference of Delhi Chapter, IAC organised by VMMC and Safdarjung Hospital on 21 Sept 2019 attended by Dr Parul Tanwar, Dr Varuna Mallya, Dr Reena Tomar, Dr Nidhi Verma, Dr Shrmana Mandal, Dr Meeta Singh, Dr Bembem , and 10residents
- APCON 2019 held at PGI Chandigarh attended by Dr Shramana Mandal (Oral paper presented), Dr Reena Tomar (Poster Presented- Pediatric RMS with Anaplasia) , Dr Varuna Mallya (Poster Presented- Does MELF Pattern of invasion signal worse prognosis in Endometrioid endometrial adenocarcinoma?)and five residents
- National Haematology conference Haematocon 2019 in Delhi attended by Dr. Sarika , Dr. Prerna and six residents
- Cytocon 2019 Nov1-3 PGI Chandigarh attended by Dr Shyama Jain, Dr Nidhi Vermaand Dr. Meeta Singh and eight residents
- 20th International Congress of Cytology, 5-9th May 2019 Sydney Australia. Attended by Dr S Jain, Dr Meeta Singh presented poster "Fine Needle Aspiration Cytology of Primary Thyroid Non-Hodgkins lymphoma: Experience from a Tertiary care center of North

  CME on Pediatric pathology :current trends and perspective ,SSPH,PGTI Noida 16 march 2019 attended by Dr. Nita Khurana , Dr. Prerna Arora
- First Annual Meeting of Asian Society of Dermatopathology Held from Nov 115-17, 2019 attended by Dr. Nita Khurana and two residents Dr. Dimple and Dr. Deepika and presented two oral papers
- Up Cytocon attended by five resident and Dr. S. Jain, Dr. Nidhi Verma and Dr. Meeta Singh
- Annual Conference of IAPM- Delhi Chapter DAPCON attended by all 11 faculty members and 28 residents
- Annual meeting of Delhi Society of Hematology organized by Ganga Ram Hospital, 2019 attended by Dr Sarika, Dr. Prerna and Dr. Bembem ,.along with eight residents
- Quarterly meet, Delhi Chapter IAPM organised by R&R Hospital, New Delhi on 23rd Nov 2019 attended by Dr Nita Khurana, Dr Parul Tanwar, Dr Shramana Mandal, Dr Varuna Mallya
- Quarterly meet of Delhi Chapter of Indian Association of pathologists and Microbiologists at Safdarjung attended by Dr Nita Khurana, Dr. S. Mandal, Dr Reena Tomar, Dr Varuna Mallya, Dr Bembem and Dr. Parul Tanwar
- RGCON 2019 organized by Rajiv Gandhi Cancer Institute and Research Center, New Delhi held on 8th-10th Feb 2019 attended by Dr Parul Tanwar
- Max Northcon 2019 organised by Max superspeciality hospital, Shalimar Bagh, New Delhi on 17th Feb2019 attended by Dr Parul Tanwar
- International CME on Lymphoma organized by Department of Pathology, AIIMS, New Delhi on 6th and 7th march 2019 attended by Dr. Prerna Arora, Dr Parul Tanwar, Dr Bembem
- CME on 'Role Of Lab Diagnosis In Immunological Disorders' organised by Department of Biochemistry, MAMC, New Delhi on 16th March 2019 attended by Dr Parul Tanwar, Dr Bembem
- Workshop on "Competency based medical education" organised by Department of Medical Education, MAMC, New Delhi on 25-27th Sept 2019. Attended by Dr Parul Tanwar, Dr Shramana Mandal
- Immuno-Oncology Summit, Organised by Rajiv Gandhi Cancer Institute and Research Center, New Delhi held on 9th Nov 2019 attended by Dr Parul Tanwar
- Workshop on "How to write a scientific paper" organised by Department of Pediatrics, MAMC, New Delhi on 14th Nov2019 attended by Dr Parul Tanwar, Dr. Reena Tomar and Dr. BemBem
- Nnational conference on cytometry TCS at Lucknow attended by Dr. Sarika Singh and Dr. Shruti and presented a poster (Aug 2019).

  Dermatopathology workshop at SJH 2019 attended by Dr Reena Tomar,

Conference Presentations-

1) Role of Fine needle Aspiration Cytology in the Diagnosis of Malignant Bone tumors. **Jain S,** Sailo L, Gautam VK, Khurana N. 20th International Congress of Cytology 'ICC 2019' sydney, Australia, May 5-9, 2019 **(Selected as best Poster for Presentation)**

2) Flow Cytometry as an adjunct to Fine needle aspiration cytology in the diagnosis and subclassification of primary Non Hodgkins Lymphoma. **Jain S,** Kushwaha P, Gupta R, 20th International Congress of Cytology 'ICC 2019' sydney, Australia, May 5-9, 2019

3) Fine Needle aspiration Cytology of primary Thyroid Non-Hodgkins Lymphoma. Experiance from a Tertiary care Centre of North India. Singh M, **Jain S,** Nain G, Khurana N. Malhotra V.nternational Congress of Cytology 'ICC 2019' sydney, Australia, May 5-9, 2019

4) Cytological Grading syystem in Breast carcinoma: Corelation with Established Grading Systems Hormonal Status and Ki67 Proliferation Index. Nain G, Singh M, Deepika,**Jain S,** Lal P.International Congress of Cytology 'ICC 2019' Sydney, Australia, May 5-9, 2019

(Selected as best Poster for Presentation)

5. Priyanka Bellichukki, Pritika Kushwaha, Varuna Mallya, Nidhi Verma, Shyama Jain, Nita Khurana, PK Rathore. Mammary analogue of secretory carcinoma of the parotid- A diagnostic pitfall on cytology, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
6. Nishant Sagar, T.Singh, N.Gupta, N.Khurana. Immunophenotyping features (FCM) and histomorphology in diagnosis of Chronic lymphoproliferative disorder, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019
7. Neha Parashar, Navpreet Kaur, Reena Tomar, Nita Khurana, C.B. Singh. Inflammatory GIST presenting as intraluminal nodule - a case report, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
8. Pritika Kushwaha, Khuraijam Bembem, Nita Khurana, P. Lal. Extranodal rosai dorfman disease of kidney-a rare case, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
9. Navpreet Kaur, Vishal Singh, Varuna Mallya, Nita Khurana, Poonam Sachdeva, YM Mala. Sarcomatous nodule associated with mucinous neoplasm of ovary – a report of 2 cases, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
10. Chumbeni Ngullie, Navpreet Kaur, Varuna Mallya, Shramana Mandal, Nita Khurana and Anjali Tempe. Aberrant Cytokeratin expression in primary ovarian Leiomyosarcoma- A rare finding in a rare case, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
11. Sakshi Dahiya, Shabnam Singh, Varuna Mallya, Nita Khurana, Sangeeta Gupta. Primary squamous cell carcinoma of the endometrium-case report of a rare entity, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
12. Priyanka Yadav, Navpreet Kaur, Sharmana Mandal, Nita Khurana, Ashok Kumar. Incidentally detected Steroid cell tumor presenting with abnormal uterine bleeding, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
13. Bhagyashree Priyadarshinee, Prerna Arora, Kuraijam Bembem, Sandeep Garg, Naresh Gupta. Isolated bone marrow involvement in lymphoproliferativedisorders, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
14. Vindhyaprabha Hegde,Vishal Singh, Reena Tomar, Nita Khurana, P. Lal. Mammary gland like apocrine adenoma in perianal region, a rare site: a case report, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
15. Amritha.P.S, Meeta Singh, Nidhi Verma, Nita Khurana, Shyama Jain, Anubhav Vindal, P Lal. ALK positive DLBCL presenting as a Pancreatic mass, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
16 .Usha Rani, Nita Khurana, Rajdeep Singh. Correlation of miller paynae grading of post chemotherapy response in breast carcinoma with hormone receptor expression, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
17. Gunjan Nain, Nita Khurana, Vinay Kamal,Richa Gupta, Ashok Kumar. Expression of EGFR in malignant epithelial ovarian tumors and its correlation with histological grade, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
18. Vishal Singh, Shramana Mandal, Varuna Mallya, Nita Khurana, RK Jindal. Clinco-pathological Spectrum of Low grade Appendiceal Mucinous Neoplasms-A study of 6 cases, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
19. Deepika,Nita Khurana, Shramana Mandal, B.L.Sahoo. DirectImmunofluorescence(DIF)Versus Immunohistochemical (IHC) Staining of Complements and Immunoglobulins (Ig) in Pemphigus Group, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
20. Kanika Gupta, Shramana Mandal, Meeta Singh, Varuna, Nita Khurana, Y.K.Sarin. Multicystic dysplastic kidney: A histomorphological spectrum of 24 cases, presented at DAPCON 2019 34th Annual Conference of Delhi

Chapter onMarch 17, 2019.

21. Shabnam Singh, Vishal Singh, Shramana Mandal, Varuna Mallya, Nita Khurana, Reena Tomar, Pawanindra Lal. Primary Neuroendocrine carcinomas of the Breast- A Study of 8 cases, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
22. Kirti balhara, Sarika Singh, Pallavi Sinha, Lity Dhar, Shyamlata Jain, Nita Khurana,Varuna mallya, N gupta, A vindal, P lal. CD30 expression in Diffuse Large B cell Lymphoma– A distinct subgroup need of hour, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
23. Lity Dhar, Sarika Singh, Shyam Lata Jain, Nita Khurana, A Vindal, P Lal, Pallavi Sinha, Adhyayan Bajpai. Cell Of Origin (Coo) Classification Of Diffuse Large B Cell Lymphoma –Its Do-Able In A Resource Constrained Setup, presented at DAPCON 2019 34th Annual Conference of Delhi Chapter on March 17, 2019.
24. Shruti Thakur, Nidhi Verma, Shyam Lata Jain, Nita Khurana, Priya Kumar. Expression of Immunohistochemical Markers WT1, Calretinin & CD34 in OdontogenicTumors, presented at DAPCON 2019 34th Annual Conference ofDelhi Chapter on March 17, 2019.
25. Shabnam Singh, Pallavi Sinha, Sarika Singh, S. Yadav, S. Kapoor, A. Tempe. Haemoglobin fractions in Indian paediatric population – Do we need to look westward? At 30th annual conference of DSH held by Gangaram on 15th September
26. Nimisha Dhankar, Richa Gupta, Shyam Lata Jain, Shramana Mandal, Monica Juneja, Smita Kaushik. Effect of Iron deficiency anemia on immune status and monocyte subset population in children.At 30th annual conference of DSH held by Gangaram on 15th September
27. Amritha. P. S, Prerna Arora, Bembem Khuraijam, Parul Tanwar, Sarika Singh, Deepika Rana et al. Spectrum of anemia in infants: A retrospective study in a tertiary care center.At 30th annual conference of DSH held by Gangaram on 15th September
28. Priyanka Bellichukki, Prerna Arora, Nita Khurana, Shramana Mandal, Varuna Mallya, Meeta Singh. Significance oftumour infiltrating macrophages in Hodgkins lymphoma: 2017-July 2019. At 30th annual conference of DSH heldby Gangaram on 15th September
29. Vindhyaprabha Hegde, Sarika Singh, Pallavi Sinha. Role of flowcytometry in chronic myelogenous leukemia blastcrisis: essentiality cannot be negated.At 30th annual conference of DSH held by Gangaram on 15th September
30. Chumbeni Ngullie, Sarika Singh, Prerna Arora, Naresh Gupta. Role of multiparametric flowcytometry in predictingthe probability of leukemic spill over of myeloma.At 30th annual conference of DSH held by Gangaram on 15th September
31. Shabnam Singh, Prerna Arora, Bembem Khuraijam, M. Manthan. Flowcytometry evolution of lymphocytes in a patient with steroid resistant nephritic syndrome (SRNS) on Rituximab therapy.At 30th annualconference of DSH held by Gangaram on 15th September
32. Raunak Ahlawat, Prerna Arora, Dimple, RS Ahlawat. Unusual hematological presentation in Giardiasis.At 30th annual conference of DSH held by Gangaram on 15th September
33. Shubhra Singhal, Prerna Arora, Nita Khurana, Ashima Dabbas, Sangeeta Yadav. Unusual association of pure red cell aplasia with myelofibrosis.At 30th annual conference of DSH held by Gangaram on 15th September
34. Bhagyashree Priyadarshinee, Prerna Arora, Nidhi Verma, Khuraijam Bembem, Pawaninder Lal, M.K. Daga et al. Atypical presentation of filariasis masquerading as neoplastic lesion without eosinophilia.At 30th annual conference of DSH held by Gangaram on 15th September
35. Anjali Mittal, Parul Tanwar, Khuraijam Bembem, Takutila M Ozukum. Homozygous delta beta (δβ) thalassemia: A rare cause of elevated fetal hemoglobin.At 30th annual conference of DSH held by Gangaram on 15th September
36. Neha Parashar, Prerna Arora, Puja Sakhuja, Kaushik Majumdar, Sandeep Garg. Extranodal T-NHL associated with myelofibrosis : A rare occurrence.At 30th annual conference of DSH held by Gangaram on 15th September
37. Rakesh, Prerna Arora, Naresh Gupta. Anabolic steroids induced chronic myeloid leukemia : Rare coincidence or etiology, a diagnostic dilemma?At 30th annual conference of DSH held by Gangaram on 15th September
38. Deepika, Prerna Arora, Bembem Khuraijam, Devendra Mishra. Childhood myelodysplastic syndrome (MDS) : A study of 2 cases in young children with fatal outcome.At 30th annual conference of DSH held by Gangaram on 15th September
39. Neha Parashar, Pallavi Sinha, Sarika Singh, Seema Kapoor. Primary immunodeficiency : Case report.60th Annual conference of Indian Society of Hematology and Blood Transfusionat AIIMS Delhi 7-10 November
40. Nimisha Dhankar, Richa Gupta, Shyam Lata Jain, Shramana Mandal, Monica Juneja, Smita Kaushik. Effect of Iron deficiency anemia on immune status and monocyte subset population in children..60th Annual conference of Indian Society of Hematology and Blood Transfusionat AIIMS Delhi 7-10 Novem

41. Vindhyaprabha Hegde, Sarika Singh, Pallavi Sinha. Role of flowcytometry in chronic myelogenous leukemia blast crisis: essentiality cannot be negated..60th Annual conference of Indian Society of Hematology and Blood Transfusionat AIIMS Delhi 7-10 November
42. Chumbeni Ngullie, Sarika Singh, Prerna Arora, Naresh Gupta. Role of multiparametric flowcytometry in predictingthe probability of leukemic spill over of myeloma.
43. Shubhra Singhal, Prerna Arora, Nita Khurana, Ashima Dabbas, Sangeeta Yadav. Unusual association of pure red cell aplasia with myelofibrosis..60th Annual conference of Indian Society of Hematology and Blood Transfusionat AIIMS Delhi 7-10 November
44. Rakesh, Prerna Arora, Naresh Gupta. Anabolic steroids induced chronic myeloid leukemia : Rare coincidence or etiology, a diagnostic dilemma?.60th Annual conference of Indian Society of Hematology and Blood Transfusionat AIIMS Delhi 7-10 November
45. Gunjan nain, meeta singh, deepika, shyama jain, P. Lal. Cytological grading system in breast carcinoma: correlationwith established grading system, hormonal status and Ki 67 PI. At UP CYTOCON
46. Sakshi dahiya, shyam lata hain, meeta singh, nidhi verma. Bilateral carotid body tumor- report of two cases diagnosed on cytology. At UP CYTOCON
47. Shruti Thakur, nidhi verma, meeta singh, reena tomar, shyam lata jain, priya kumar. Unusual fibro-osseus lesions of jaw: cyto-histological correlation At UP CYTOCON
48. Bhagyashree Priyadarshinee, varuna mallya, nidhi verma, shyama jain, Nita Khurana, P. K. Rathore. Mmmmary analogue secretory carcinoma of parotid – a diagnostic dilemma on cytology. At UP CYTOCON
49. Nimisha Dhankar, Shyam Lata Jain, Reena Tomar. Dermatofibrosarconma protruberans with lymph node metastasis– an unusual case At UP CYTOCON
50. Kanika Gupta, Pallavi Sinha, Meeta Singh, Shyama Jain, Sarika Singh, H. C. Taneja. Extranodal NK-/T-cell lymphoma presenting as pre-maxillary swelling: A cytological diagnosis at 8th Annual Conference of DCIAC at Safdarjung on 21st September 2019
51. Neha parashar, Bembem Khuraijam, shyama jain. Metastatic nodular hidradenoma: a diagnostic challenge on cytology.at 8th Annual Conference of DCIAC at Safdarjung on 21st September 2019
52. Yankila tamang, shyama jain, meeta singh, sumit sural. Case of Enchondromatosis coexisting with gout: Case report.at 8th Annual Conference of DCIAC at Safdarjung on 21st September 2019
53 Shruti Thakur, Nidhi Verma, Shyama Jain, Varuna Mallya, Nita Khurana. Melanotic neuroectodermal tumor of infancy at 8th Annual Conference of DCIAC at Safdarjung on 21st September 2019
54. Deepika Rani, Nidhi Verma, Shyama Jain, Gunjan Nain. Rare incidence and presentation of Breast Aspergillus abscess.at 8th Annual Conference of DCIAC at Safdarjung on 21st September 2019
55. Vindhyaprabha Hegde, Meeta Singh, Pritika Kushwaha, Shyama Jain, Varuna Mallya, Sunita Aggarwal. Transformation of diffuse large B-cell lymphoma to lymphoblastic lymphoma: a cytological and flow cytometric diagnosis at 8th Annual Conference of DCIAC at Safdarjung on 21st September 2019
56. Amritha PS, Nidhi Verma, Varuna Mallya, Shyama Jain, Ishwar Singh. Unusual presentation of myxofibrosarcoma: A rare entity at 8th Annual Conference of DCIAC at Safdarjung on 21st Sep 2019
57. Pritika Kushwaha, Toshali Pandey, Radhika Agarwal, Meeta Singh, Shyama Jain. Evaluation of immunocytochemistry on destained Giemsa stained smears as an alternative to conventional techniques. at 8th Annual Conference of DCIAC at Safdarjung on 21st September 2019
58. Dimple Chaudhary, vishal singh, shramana mandal, nidhi verma, prerna arora, shyam lata jain, pawanindra lal. Plasmablastic lymphoma with cutaneous manifestations in an immunocompetent patient: a rare case report with literature review. at 8th Annual Conference of DCIAC at Safdarjung on Sept 2019
59. Pot pourri-- Case of familial androgen insensitivity syndrome- Dr Sakshi Dahiya at 8th Annual Conference of DCIAC at Safdarjung on 21st September 2019
60. Association of human papilloma virus and epstein barr virus with squamous cell carcinoma in upper aerodigestive tract. Lity Dhar at APCON held in PGI Chandigarh
61. Correlation of p16 and galectin 3 expression in squamous cell carcinomas of buccal mucosa. Shramana Mandal at APCON held in PGI Chandigarh
62. To study the expression of p16 egfr and cd44 in squamous cell carcinoma uterine cervix . Kanika Gupta at APCON held in PGI Chandigarh
63. Immunohistochemical characterisation of leucocytic infiltrate and its correlation with histopathological response to chemotherapy in breast cancer - Usha Rani at APCON held in PGI Chandigarh
64. Childhood Rhabdomyosarcoma with anaplastic (pleomorphic) features and its correlation with histological subtypes - Reena Tomar at APCON held in PGI Chandigarh
65 Histomorphological spectrum of pediatric liver tumors- an experience in a tertiary care centre - Amritha at

APCON held in PGI Chandigarh

66. Does MELF pattern of myoinvasion in Endometrioid Endometrial Adenocarcinoma signal worse outcomes ? - Varuna Mallya at APCON held in PGI Chandigarh
67. Correlation of Inflammatory status of Hyperplastic Prostate Gland with Neutrophil Lymphocyte Ratio and Prostate Specific Antigen - Navpreet Kaur at APCON held in PGI Chandigarh
68. Meeta Singh, Pritika Kushwaha, Pallavi Sinha, Shyama Jain, Sarika Singh. Role of Fine Needle Aspiration Cytology with Flow Cytometry in the diagnosis of extranodal Non Hodgkins Lymphoma: A series of 10 cases. At CYTOCON 7-10Nov PGI Chnadigarh
69. Bhagyashree Priyadarshinee, Shyam Lata Jain, Meeta Singh, Ishwar Singh. Application Of 'The Milan System For Reporting Salivary Gland Cytology' And Its Cytohistological Correlation For Risk Stratification. At CYTOCON 7-10Nov PGI Chnadigarh
70. Shruti Thakur,Nidhi Verma,Shyam Lata Jain, Meetasingh, Ishwar Singh. Utility & Limitations Of Fine Needle Aspiration Cytology (Fnac) In The Diagnosis Of Jaw Lesions. At CYTOCON 7-10Nov PGI Chnadigarh
71. Shabnam Singh, Shyam Lata Jain, Priyanka Bellichukki, Nidhi Verma, Meeta Singh. Cytomorphological Spectrum of Nodular and Proliferative fascio-myositis At CYTOCON 7-10Nov PGI Chnadigarh
72. Sakshi Dahiya, Meeta Singh, Shyam Lata Jain, Bembem Khuraijam, Naman Suroya. Cytological Diagnosis Of Malignant Mesothelioma: A Case Series At CYTOCON 7-10Nov PGI Chnadigarh
73. Guddanti Dheeraj Kumar,Meeta Singh, Radhika Agarwal, Pallavi Sinha, Shyam Lata Jain. Nonmycetoma Subcutaneous Infection Caused By Scedosporium Apiospermum: A Case Report At CYTOCON 7-10Nov PGI Chnadigarh
74. Raunak Ahlawat, Meeta Singh, Nishant Sagar, Shyam Lata Jain, Vikas Malhotra. Extramedullary Hematopoesis In Lymphohemangioma At CYTOCON 7-10Nov PGI Chnadigarh
75. Priyanka Bellichukki, Shabnam Singh, Shyama Lata Jain, Meeta Singh, Gauri Gandhi. Genital Tuberculosis: Presenting As Vulvul And Inguinal Masses Masquerading Clinically As Malignancy- A Rare Case Diagnosed On Cytology. At CYTOCON 7-10Nov PGI Chnadigarh
76. Usha Rani, Meeta Singh, Armaan Saith, Shyma Jain. Evaluation Of Use Of Rpmi Medium To Preserve Cell Morphology For Pleural/Peritoneal Effusion CytologyAt CYTOCON 7-10Nov PGI C77.nadigarh
78. Nidhi Verma,Shruti T, P Bhagyashree, Shyam Lata Singh, Reena Tomar. Cytological Spectrum of Palatal Lesion: Series of 11 Cases At CYTOCON 7-10Nov PGI Chnadigarh
79. Lity Dhar, Sarika Singh, shyam lata Jain, Nita khurana,. A vindal, P Lal, Kirti balhara, pallavi Sinha, adhyayan bajpaicell of origin classification of diffuse large b cell lymphoma Highlights of Past EHA (HOPE) Asia 2019, Kolkata
80. Amritha.P.S, Sarika Singh, Varuna Mallya, Kirti Balhara, Lity Dhar, Pallavi SinhaRare hematological presentation predating non Hodgkin's lymphoma, International lymphoma conference, Feb 2019
81. Deepika ,Nita Khurana ,Shramana mandal , B.L.SahooUse of Immunohistochemical staining (IHC) of complements (C3 and C4d) for the diagnosis of Pemphigus First Annual Meeting of the Asian Society of Dermatopathology and Annual Meeting of the Dermatopathology Society of India, Nov 15-17, 2019
82. Utility of elastic staining & polarized microscopy in lichen planopilaris in cicatricial alopecia *Dimple Chaudhary, N. Khurana at* First Annual Meeting of the Asian Society of Dermatopathology and Annual Meeting of the Dermatopathology Society of India, November 15-17,2019
83. "Extranodal T cell lymphoproliferative disorder associated with myelofibrosis: A rare occurrence: in International CME LYMPHOMA AIIMS,New Delhi 6-7 march 2019 Prerna Arora
84. Dermatofibrosarcoma protuberans with lymphnode metastasis -an unusual case. Reena tomar. At DCIAC,Sept 2019

8. Visitors :

Guest lecture on Dr. Myeloproliferative neoplasms – Who should diagnose" :delivered by Dr. T. Singh in MAMC on MArch 17, 2019

Guest Lecture II –"Basics of Immunotherapy – Role of a Pathologist" by Dr. Anurag Mehta , Sr. Consultant & Head , Pathology, Rajiv Gandhi Cancer Institute and Research Centre

9. Significant Events (Honors to Faculty)

Dr Shyama Jain was Recipient of '**DMA-Vishisht Chikitsa Ratna Award'** on Doctors day, 30th June 2019, MAMC, New Delhi

10. Significant event (Honors to faculty)

- **Dr Shyama Jain was Faculty Speaker** in , Symposium on, 'Recent Advances in Parkinsons Disease-Etiology and Pathogenesis of Parkinsons disease', Department of Physiology MAMC, Feb 2019
- **Dr Shyama Jain was Faculty speake**r in Workshop ' Cytological Diagnosis of Lymphoid Lesions: Infectious Lesions', February 2019 in Department of pathology MAMC, New Delhi, Feb 2019.
- Dr Shyama Jain was External Examiner, MD Pathology, NIMS, Jaipur, 10,11, April 2019
- Dr Shyama Jain was Paper Setter MD Pathology, Faridkot Punjab,April,2019.
- **Dr Shyama Jain was Faculty speaker** in the symposium-cum-companion meeting in International Conference: 'Image guided Fine Needle Aspiration Cytology' 20th International Congress of Cytology 'ICC 2019'Sydney, Australia, May 5-9, 2019
- **Dr. S. Jain** is Chairprson & member committee, PG protocol Committee, MAMC, Sep, 2019. **Dr Shyama Jain was Faculty Speaker** in 'Workshop on Telepathology: Clinicopathological Conference on Pediatric Gastro-hepatopathology', Fortis Escort Heart Institute, New Delhi, 3rd Sept 2019
- **Dr Shyama Jain was Chairperson** for 'Guest lecture session' in Delhi Chapter-IAC, 21th Sept 2019, VMMC, New Delhi
- **Dr Shyama Jain was Panel Member** in ' Breast Pathology: FNAC Versus Core Biopsy' in UP - CYTOCON, organized by Super speciality Hospital NOIDA, 28-29th Sept 2019.
- **Dr Shyama Jain was Faculty Speaker** in CME on' Pearls, Perils and Pitfalls in Effusion Cytolgy', in CYTOCON-2019, Organized by PGIMER, Chandigarh, 7-9th Nov 2019
- **Dr Shyama Jain was Chairperson** for Guest lecture session in' CYTOCON-2019', Organized by PGIMER, Chandigarh, 7-9th Nov 2019
- **Dr Shyama Jain was Faculty Speaker** in CME, delivered a lecture on 'Approach to Cytological Diagnosis to Breast Lesions' SGT University, Gurgaon, 24th Nov 2019.
- Dr Nita Khurana was nominated by the Subharti Medical College, Meerut (agency) as expert/advisor to External Expert in the Board of studies for PhD research projects
- Dr Nita Khurana was nominated by the Hamdard Institute of Medical Sciences and Research, Jamia Hamdard University, New Delhi as expert/advisor to External Expert in the Board of studies for MD Pathology curriculum
- Dr Nita Khurana was an external expert at Jamia Hamdard University, JanakPuri Superspeciality hospital, BSA Medical College and Hospital, ESI hospital, North DMC,RML hospital New Delhi as expert/advisor to External expert in selection board for faculty positions
- Dr Nita Khurana was nominated by the Institutional Protocol committee as expert/advisor to for postgraduate and postdoctoral research thesis
- Dr Nita Khurana was nominated by the Department of Radiotherapy, LNH as member tumour board
- Dr Nita Khurana was nominated by the as External examiner for DNB Pathology Examination and Examiner for M.D. Pathology examination Of , IP Universiry , SMS College,Jaipur, JIPMER, Puducherry
- Dr Nita Khurana appointed for Thesis Evaluation for MD Pathology thesis of Baba Faridkot University, Punjab , Pt. BD Sharma University of Health Sciences,, Rohtak, Haryana., Sharda university ,Noida' Punjab university.and AIIMS, Delhi
- Dr Nita Khurana was a resource person in NTTC and MCI Basic training workshops for medical teachers at the nodal Medical Education Department of MAMC and capsule courses for senior residents in Medical Education Department and conduct regular workshops .
- Dr Nita Khurana was a resource person for the institutional postgraduate orientation programme.
- Dr Nita Khurana Organised preconference workshop on "Bone marrow immunohistochemistry in hematologic disorders of Annual Hematocon 2019 Conference of indian Society of Hematology and Blood transfusion at MAMC in capacity of Local Coordinator
- Dr Sarika visited and took a guest lecture in department of Paediatrics, MAMC in a CME/Workshop on PID in sept 2019
- Dr Sarika took a Lecture on role of immunohistochemistry in metastatic lesions of bone marrow biopsy, Nov 2019 Haematocon workshop MAMC
- Dr Sarika took a Lecture on flowcytometry and bed side haematology, CME in paediatrics, MAMC Dec 2019.
- Dr Sarika took a lecture on Attended national conference FOPCON Jaipur, chaired session and participated in panel discussion as panellist on Lymphoma and myeloproliferative disorders

- Dr Sarika Adjudged poster session inDAPCON MAMC March 2019
- Dr Sarika attended and judged the posters session ats Annual DSH at SGRH Sept 2019
- Dr Sarika Singh Went as an expert for selection of Assistant professor for Andaman and nicobar Medical college March 2019
- Shramana Mandal was a panalist in boderline ovarian tumours. Update on Ovarian Tumours 23rd march organized by the Department of Obstetrics and Gynecology, MAMC
- Dr. Prerna Arora was Section editor Haematology in "International Journal of Pathology and Laboratory Medicine" (IJPLM) by Path logos Publishers. INDIA
- Dr. Prerna Arora took lecture on Utility of flow cytometry in lymph node aspirates at DC IAC workshop held at MAMC
- 2.Dr. Prerna Arora took lecture on Role of IHC in gammopathies at workshop on bone marrow biopsy and IHC ,HEMATOCON 2019 held at MAMC
- Dr Reena Tomar Organised VIHASA workshop on 31st march 2019 at MAMC on "Cooperation" for Facutly and students.
- Dr Reena Tomar Delivered Guest lecture on Carcinoma awareness at Global hospital and research centre at Mt Abu, on 20th June 2019.
- Dr Nita Khurana Judged the oral paper session of Conference of Asian Society of Dermatopathology and Dermatopathology Society of India held at Hotel Eros, Nehru place ,New Delhi from Nov15-17,2019
- Dr Nita Khurana delivered a guest lecture on Ovarian Tumours – Pathologists perspective at Ovarian tumour Update Organised by Department of Obstetrics and gynecology, MAMC& LNH, March 2019
- Dr Nita Khurana delivered a guest lecture onPediatric solid lesions : an immunohistochemical approach. At pediatric pathology Update organized by Superspecialtiy Childrens Hospital , Noida , March 2019
- Dr Nita Khurana delivered a guest lecture on Carcinoma breast- molecular classification and its therapeutic implication at CME in pathology and 12th Annual Conference of APP, Haryana organized by FMHS and SGT University, Gurugram, November 2019
- Dr Nita Khurana was a Panelist in panel Discussion " Aglorithmic Approach to solitary thyroid nodule " at 6th Annual CME , Surgery organized at ESI- PGIMSR, Department of Surgery on " Thyroid Diseases – from crux to consensus"
- Dr Nita Khurana delivered a Guest lecture on " Molecular and Pathological Analysis of thyroid nodules " at 6th Annual CME , Surgery organized at ESI- PGIMSR, Department of Surgery on " Thyroid Diseases – from crux to consensus" on Nov9,2019
- Dr Nita Khurana delivered a Trouble shooting in Immunohistochemistry- Lecture at preconference Hematocon workshop of Annual Confernce of Indian Association of hematology and Blood transfusion , November 7, 2019
- Dr Nita Khurana delivered a Guest lecture on " Assessment principles under CBME at the fourth Annual Conference of Conference of the PRESIDE Pediatric Research Education held at MAMC, New Delhi
- Dr Nita Khurana delivered a Guest lecture on –" Cutanoeus tuberculosis – Histopathologic Mimics " at CME on Cutanoeus tuberculosis – A multidisciplinary approach,organized by Department of Dermatology, MAMC July 28, 2019
- Dr Shramana Mandal Adjudged poster session in DCIACVMMC September 2019
- Dr Meeta Singh delivered a lecture on "Normal lymphnode cytology" at Cytology workshop on "Cytological approach to lymph node lesions" organised by Department of Pathology, MAMC, New Delhi on 23rd Feb 2019
- Dr Meeta Singh presented a case at International CME on Lymphoma organized by Department of Pathology, AIIMS, New Delhi on 6th and 7th march 2019

11. Fellowship- Nil

12. Representation of expert Committee/ Bodies

I. **Dr Shyama Jain was Member Expert,** DMC, CSIR, AIIMS, ES, DU, IP university, ICPO (NOIDA), regularly attending all meetings.

II. Dr Shyama Jain is Reviewer for many International Journals and national Journals; member executive for Journal Of Cytology

III. Dr Nita Khurana is Treasurer of College magazine Synapse

IV. Dr Nita Khurana is Member College curriculum committee

V. Dr Nita Khurana is Member of committee For L.G. Governors rolling trophy award

VI. Dr Nita Khurana is Member of Committee for KB Sharma Rolling Trophy .

VII. Dr Nita Khurana is Member committee for R.P. Mathur Best postgraduate pathology award
VIII. Dr Nita Khurana is Member Institutional Ethics Committee Maulana Azad Medical College
IX. Dr Nita Khurana is Member of 'Committee of Courses and Studies' in Pathology , University of Delhi
X. Dr Nita Khurana is Member Committee for drafting criteria for PhD pathology at Delhi University
XI. Dr Nita Khurana is Co-Chairperson of Post Graduate Cell for approval of Thesis/Protocols of the MAMC PG students and superspeciality students of GIPMER .
XII. Dr Nita Khurana was instrumental in Organizing CPCs in collaboration with Department of Medicine, Department of Surgery and Department of Otorhinoloaryngology, Department of Radiotherapy
XIII. Dr Nita Khurana was Organizing chairperson of 34th Annual conference of Delhi Chapter- Indian Association of Pathologists and Microbiologists at MAMC, on March 17, 2019
XIV. Dr Nita Khurana is Executive Member , Indian Association of Pathologists & Microbiologists- Delhi Chapter
XV. Dr Sarika Singh is the Executive member of Delhi Society Of Hematology

13. Health Services to Community- Health services to the community

Department being the nodal center receives samples of Stree Shakti Programme and Cancer Control Programme from various camps held in Delhi and routinely samples from cancer diagnosis from other Delhi Government hospitals for processing and reporting

Residents and staff members of the Department of pathology participate in the Pulse Polio Programme regularly

Lab Data-

Name of Lab	Name and number of tests performed	Percentage of growth as compared to last year (2018)
Hematology	**Hematology- 16482** **HPLC- 777** **G6PD-513** **Flow Cytometry- 298** **Bone Marrow biopsy-433**	**14351** **636** **394** **287** **468**
Cytology	**Cytology- 9814** **Pap Smear- 3055**	**9815** **Started in 2019**
Histopathology	**Histopathology : 17990** **Frozen : 96** **Immunohistochemistry: 6985** **Special stains : 4167** **Direct immunoflouresence 156** **Autopsy organ samples -22**	**18378** **100** **5789** **4510** **216** **27**

15). **New Facilities Added**

Elisa reader, 6 part hematology analyser,Thermocycler,
Pap Smear reporting started by Department of Pathology

PHARMACOLOGY

Name of Head of Department: **Dr Vandana Roy**

1 **Faculty**

S.No.	Name of Faculty	Designation
1	Dr Vandana Roy	Director Professor and Head
2	Dr. Shalini Chawla	Director Professor
3	Dr Bhupinder Singh	Associate Professor
4	Dr Vandana Tayal	Associate Professor
5	Dr. Manukumar Shetty	Assistant Professor
6	Dr. Niket Rai	Assistant Professor
7	Dr Mukul Soni	Medical Officer
8	Dr Razi Akhtar	Medical Officer

2. Ongoing Projects

Name of research project	**Investigators**
To evaluate co morbid depression in newly diagnosed patients with tuberculosis in the DOTS clinic of LN Hospital.	Dr. Vandana Roy, Dr. Proteesh Rana, Dr. Seema Kapoor, Dr. Ashwini Khanna
Ameliorative effect of thymoquinone against colistin induced renal injury	Dr. Vandana Roy, Dr Sahil Kumar, Dr. Nita Khurana, Dr. Akhilesh Mishra
To evaluate the protective effect of Azairachta indica leaf extract on chemically induced colon cancer in rats.	Dr. Vandana Roy, Dr Angelika Batta, Dr. Nita Khurana, Dr, Akhilesh Mishra
To study neuroprotective effect of Zingiber officinale (Ginger) in Aluminium Chloride induced Alzheimer's disease in rat model	Dr. Vandana Roy, Dr. Kavita, Dr. Vandana Tayal, Dr. Akhilesh Mishra, Dr. Nita Khurana, Dr. Binita Goswami
Antinociceptive and antiinflammatory activities of Serratiopeptidase, Boswellia serrata and diclofenac in rats	Dr. Bhupinder Singh, Dr Shubha Singhal, Dr Vandana Roy
Monitoring of adverse drug reactions in intensive care unit settings of a tertiary care teaching hospital	Dr Shalini Chawla, Dr Ayush jain
Outpatient Prescribing Practices in a Public, Tertiary Care, Teaching Hospital in Delhi	Dr. Vandana Roy, Dr. Kishore Singh, Dr. Sahil Kumar.
Utilization of Antimicrobials in In-Patient Departments of a Tertiary Care Teaching Hospital: Impact Of Interventional Strategies On Use	Dr. Vandana Roy, Dr. Durga, Dr. Kishore Singh, Dr. Mradul Daga, Dr. Pawanindra Lal, Dr. Anjali Tempe, Dr. Urmila Jhamb, Dr. Sumit Sural, Dr. Ishwar Singh, Dr. Bijaylaxmi Sahoo, Dr. P.S.Bhandari

B) Ongoing Thesis

Name of research project	**Investigators**
Efficacy and safety of Vildagliptin and Remogliflozin as add on therapy to Metformin in patients of Type 2 Diabetes Mellitus	Dr Vikram Sharma. *Supervisor:* Dr Shalini Chawla, *Co Supervisior:* Dr Sandeep Garg, Dr Bhupinder Singh
Comparative Study of Propranolol Versus	Dr Nasra Banu. *Supervisor:* Dr Vandana Roy, *Co*

Amitriptyline at a Low Dose for Prophylaxis of Episodic Migraine	*Supervisor:*Dr Debashish Chowdhury, Dr Vandana Tayal
Efficacy and safety of Saroglitazar and Fenofibrate in the treatment of diabetic dyslipidemia: An open label comparative study	Dr Rahul Gehlot. *Supervisor:* Dr Bhupinder Singh, *Co Supervisor:* Dr Shalini Chawla, Dr Sandeep Garg
Efficacy of Withania somnifera (Ashwagandha) and Bacopa monnieri (Brahmi) and association of serum Brain derived neurotrophic factors BDNF in alcohol withdrawal syndrome in rats.	Dr Ijasul Haque M. *Supervisor:* Dr Shalini Chawla, *Co Supervisor:* Dr Bhupinder Singh
Adverse drug reactions monitoring of antitubercular drugs in children and adolescent on daily drug regimen:prospective observational study.	Dr Sharadhi HB, *Supervisor:* Dr Anurag Agarwal, *Co Supervisor:* Dr Rajeshwari, Dr Bhupinder Singh

C) Details of thesis completed during current year

Utilization patterns, outcomes and cost of prophylactic antimicrobials in patients undergoing orthopedic implant surgeries	Dr. Anurag Virmani *Supervisor:* Dr. Vandana Roy *Co Supervisor:* Dr. Sumit Sural, Dr. V.K Gautam, Dr. A.K Dhal

3. Training courses/ conferences/ workshops organized –

The Department organized-

4th CME workshop on "Improving Availability and Rational use of Medicines in Public Health Facilities under Government of NCT Delhi", in MAMC for doctors working in Delhi Government hospitals was held on 19th - 22nd Feb 2019 with Dr Vandana Roy as Convener.

7th CME and workshop on "Pharmacovigilance for patient safety" was held on 27th March 2019, MAMC with Dr Vandana Roy as Convener.

2nd CNE and workshop on "Pharmacovigilance for our safety" for Nurses working in associated hospitals of MAMC was held on 12th December 2019, Dept of Pharmacology, MAMC with Dr Vandana Roy as Convener.

Dr. Vandana Roy Chaired and Coordinated the cultural festival "MAMC SPIC MACAY VIRASAT 2019. This was organized in collaboration with Society for Promotion of Indian Classical Music, Art and Culture Amongst Youth. The week long festival was held from 2nd April to 7th April 2019.

5 **Publications during the period**

1) Chawla S, Tiwari RP, Kumar A, Khanna T, Singh NP. Factors affecting Non-adherence and impact of patient education in poorly controlled type 2 diabetes patients on high dose insulin therapy. Journal, Indian Academy of Clinical Medicine. 2019;20(1):29-34.
2) Chawla S, Tiwari A, Syed SN. Application of a new "Pharmavigil©" app for the analysis of dermatological adverse drug reactions in a tertiary care hospital. J Pharmacol Pharmacother. 2019;10:69-74.
3) Singhal S, Chawla S. Effects of whatsapp and facebook on academic, professional and social lives of medical students and resident doctors of north India. Int J Community Med Public Health 2019;6:3570-7.
4) Singhal S, Roy V. The Economics of Adverse drug Reactions. Journal of Rational Pharmacotherapeutics 5 (1):2019;3-8
5) Dutta S, Chawla, Srivastava S, Loomba O, Roy V. Prevalence of impaired renal function in patients of liver cirrhosis with or without spontaneous bacterial peritonitis. J Drug Delivery & Therapeutics 2019;9(1-s): 286-9
6) Batta A, Kalra BS, Khirasaria R. Critical Issues and Recent Advances in Anticoagulant Therapy: A Review. Neurol India 2019;67:1200-12.
7) Kalra BS. Supplemental Antioxidants: A Hype in Disease Prevention. JAPI 2019:67:66-68.
8) Batta A, Madan N, Kalra BS, Arora S. Prescription Audit, Drug Utilization Pattern and Adverse Drug Reaction Monitoring in Outpatients of Orthopedics Department of Tertiary Care Teaching Hospital: A Pilot Study.MAMC J Med Sci 2019;5:77-82
9) Jain A, Kalra BS, Srivastava S, Chawla S. Effect of sofosbuvir and daclatasvir on lipid profile, glycemic control and quality of life index in chronic hepatitis C, genotype 3 patients. Indian J Gastroenterol. 2019;38(1):39-44.

10) Batta A, Jain P, Kalra BS. Prescription audit and drug utilization pattern in outpatients of psychiatry department of tertiary care teaching hospital: an observational study. International Journal of Basic & Clinical Pharmacology 2019:8(2):222-26
11) Batta A, Kalra BS, Khirasaria R. Trends in drug approval over last two decades: An insight (Accepted for publication in Journal of family medicine and primary care).
12) Jain A, Haque I, Tayal V, Roy V. Valproic acid-induced acute pancreatitis. Indian J Psychiatry 2019;61:421-2.
13) Verma N, Tayal V, Roy V. Proton Pump Inhibitors: Prescribing Practices, Appropriateness of Use, and Cost Incurred in a Tertiary Care, Public, Teaching Hospital in New Delhi, India. (Accepted for publication in MAMC J Med Sci).
14) Kumar S, Tayal V, Rathore A, Roy V. Shivering due to repeat dose of Tranexamic Acid: A peculiar case series. (Accepted for publication in The Journal of Obstetrics and Gynecology of India)
15) Roy V, Agrawal A, Rana P, Uppal D Doctors perception and use of generic names for prescribing medicines: exploring reasons and policy options (Accepted for publication by Indian Journal of Physiology & Pharmacology)
16) Dutta S, Banerjee S, Kumar S, Jain A. Reverse Pharmacology: A science redefining drug discovery. Eur J Biomed Pharm Sci 2019; 6(3): 245-9.
17) Khanna S, Bala S, Singh Y, Sharma T, Kalra J, Dhasmana D et al. Comparative evaluation of levetiracetam and valproic acid as monotherapy on cognitive impairment in patients of epilepsy. Int J Basic Clin Pharmacol. 2019;8(4):674-680

8. Books (written/Edited) /Chapters

Chapter in a book

Roy V. Integrating indigenous systems of medicines in the healthcare system in India. Need and Way Forward. In Herbal medicine in India: Indigenous knowledge, practice, innovation and its value. Editors: Saikat Sen, Raja Chakraborty. Springers Nature Singapore.. https://doi.org/10.1007. Pages 978-981; 2019

9. Conference/Workshops/Symposium attended/ Paper Presentation

Dr Vandana Roy

a) Organizing Chairperson , 2nd CNE Workshop for Nurses on the theme" Pharmacovigilance for Our Safety". For Senior nurses in Lok Nayak Hospital, GIPMER,MAIDS, Guru Nanak Eye Hospital. December 12th, 2019.
b) Organizing Chairperson, 4th CME Workshop on Improving availability & Rational Use of Medicines in Public Health Facilities in Delhi. Department of Pharmacology, Maulana Azad Medical college & Associated Hospitals. February 19th-22nd, 2019
c) Presented a paper: Validating traditional Medicine: A Science or Art. In the 5th IUPHAR World Conference, on the Pharmacology of Natural Products & 51st Annual Conference of Indian Pharmacological Society. At ICMR National Institute of Nutrition, Hyderabad, Telangana, India. December 5th-7th, 2019.
d) Invited Speaker in in Conference on Current trends & Future Prospects in Pharmacovigilance-An integral part of Pharmacovigilance. Organized by Department of Pharmacology, Government Institute of Medical Sciences , talk on Pharmacovigilance : The Need, September 26th-27th, 2019.
e) Invited Speaker in Skill development program on Pharmacovigilance. Indian Pharmacopoiea Commission, National Coordination Center, Ghaziabad,. Session of Causality Assessment: Rationale & Methods, & Group Exercises, September 23-27, 2019.
f) Invited Stakeholders workshop to develop Strategic Action Plan to Combat Antimicrobial Resistance (SAP-CARD)-AMR Delhi,. Organized by World Health Organization, Government of NCT Delhi, Hotel Lalit August 26th, 2019
g) Invited Speaker, Skill development program on Pharmacovigilance. Indian Pharmacopoiea Commission, National Coordination Center, Ghaziabad, July 15th-19th, 2019. Session of Causality Assessment: Rationale & Methods, & Group Exercises
h) Invited Speaker , 9th Regional Workshop on Pharmacovigilance & Establishment of Pharmacovigilance System in Pharmaceutical Industries- A Way Forward". May 9th, 2019. Pharmacovigilance: Basics Methods, Practices,& Brief Overview of PvPi.
i) Invited Speaker , UP UK APPICON 2019. 9th Annual Conference of UP-UK Chapter of APPI, Department of Physiology & Pharmacology, School of Medical Sciences & Research, Sharda University, . Competency Based medical education :Let us walk the talk. April 5th -6th, 2019
j) 7th CME on Pharmacovigilance for Patient Safety. Organized by Department of Pharmacology, Maulana Azad Medical college. Talk on Pharmacovigilance : the Need. March 27th 2019
k) 4th CME Workshop on "Improving Availability & Rational Use of Medicines in Public Health Facilities in Delhi Essential medicines concept:Impact onAvailability of Quality medicines in Delhi."February 19th-22nd, 2019

l) Invited as Chairperson,International Conference on Health Laws with Special Reference to Women's Issues . Organized by Campus Law Centre, University of Delhi. Delhi. February 15th 2019.
m) Participated in Workshop on Natural Product Screening & Libraries, in the 5th IUPHAR World Conference on the Pharmacology of Natural Products & 51st Annual Conference of Indian Pharmacological Society. At ICMR National Institute of Nutrition, Hyderabad, Telangana, India. On December 4th, 2019.
n) Participated in Workshop on Research Methodology & Research Paper Writing Techniques. Organized by Department of Health Research, Government of India, ICMR National Institute of Pathology, Rajender Prasad Institue of Medical Sciences,Tanda, Dharamsala. September 5th -6th, 2019
o) Participated in Delhi State TB Task Force Meeting cum workshop , Maulana Azad Medical college, New Delhi, August 22nd, 2019
p) Attended Intensive Course on Indian Art : History & Appreciation. At India Habitat Centre, New Delhi. August 3rd-4th, 2019
q) Participated in National Training Program on Good Clinical Practice, Current Regulatory & Ethical Requirements for Conducting Clinical Trials /Research in India. Organized by Clinical Development Services Agency(CDSA), an extramural unit of Translatonal Health Science & Technology Institte (THSTI) , Department of Biotechnology, Ministry of Science & Technology, Government of India. July 23rd-24.h 2019
r) Participated in Interactive meet on New Drugs & Clinical Trials Rules 2019; Its understanding & impact. Organized by Clinical Services Development Agency (CSDA), an extramural unit of Translationational Health Science & Technology Institute, an autonomous Institute under DBT, Ministry of Sciences & Technology, Government of India & Central Drugs Standard Control Organization, Ministry of Health & Family Welfare. At Translational Health Science & Technology Institute. On May 17th, 2019
s) Participated in CME cum Workshop on Competency Based Medical Education: Concept & Application. Department of Medical Education, Christian Medical College, Ludhiana April 29th-30th, 2019.
t) Invited as a Resource guest in the launch meeting of " India's Response to Viral Hepatitis National Viral Control Program. Organized by Ministry of Health & Family Welfare and World Health Organization, Mumbai, February 24th, 2019
u) Participated in Workshop on Disability – Inclusive Compassionate Care: Public Engagement & Faculty Sensitization on Disability Competencies. University of Chicago Center, Delhi. February 9th, 2019

Dr Shalini Chawla

a. Organizing Secretary for "7th CME Workshop on Pharmacovigilance for patient'ssafety",MAMC, 27th March 2019.
b. Delivered a lecture at National inter disciplinary symposium on "Recent advances inParkinsons disease." on 16 Feb, 2019 on "Ethics in Clinical Research".
c. Delivered a talk on "Antimicrobial use: Is there a problem'' at MAMC, New Delhi at 4thCME Workshop on "Improving Availability & Rational Use of Medicines in Public HealthFacilities in Delhi" on 21st Feb, 2019
d. Delivered a talk on Pharmacovigilance- Basic concepts at MAMC, New Delhi" at 7th CME,Workshop on Pharmacovigilance for patient's safety on 27th March,19
e. Delivered a lecture at "An update on: Delving into stress response: HTPA-axis, nutrition andexercise" on 15 Nov 2018 on "Ethics in Biomedical Research".
f. Delivered a lecture at conclave on developing a clean sports ecosystem:Athlete perspective on antidopingon27 June 2018 on "Management of Therapeutic Use Exemption".
g. Participated in CISP workshop on revised CBME by MCI on 11th March,19 in MAMC, NewDelhi.
h. Delivered a talk on "Data collection and interpretation" at 4th National Symposium onClinical Research Methodology & Medical Writing held at Coimbatore on 24th August 19.
i. Chaired a session on "Current trends on future prospects in pharmacovigilance" at GIMS, Greater Noida on 25-26 September' 19.
j. Delivered a lecture at conclave on developing a clean sports ecosystem: Athlete perspectiveon antidoping on 22 October 19 on "Management of Therapeutic Use Exemption - Criteria &Acceptance".
k. Delivered a talk on "The Regulatory Process on Pesticide Regulation" at a symposium on food safetyon23-24 October' 19 at CSIR Lucknow.
l. Resource person for 2nd CNE workshop on "Pharmacovigilance for our safety" in MaulanaAzad medical college on 12 December 19.

Dr Bhupinder Singh

- Resource Person and delivered a talk on "Good Prescribing" in 4th CME workshop on "Improving Availability and Rational Use of Medicines" in Public Health Facilities underGovernment of NCT Delhi, Dept of Pharmacology, MAMC .February 19th-22nd , 2019
- Resource Person and delivered a talk on"Adverse drug reactions" in 7th CME and workshop onPharmacovigilance for Patient Safety MAMC, on 27th March 2019.
- Resource Person and delivered a talk on "Overview of Pharmacovig"Pharmacovigilance for our Safety", Dept of Pharmacology, MAMC, December 12th, 2019

Dr. Vandana Tayal

- Organizing Secretary for 4th CME workshop on "Improving Availability and Rational use of Medicines in Public Health Facilities under Government of NCT Delhi", Dept ofPharmacology, MAMC. 19th -22nd Feb 2019.
- Delivered a talk on"Pharmacovigilance Program of India: MAMC Experience"as a faculty in7th CME and workshop on Pharmacovigilance for patient safety held on 27th March 2019,Dept of Pharmacology, MAMC.
- Delivered a talk on "Pharmacovigilance Program of India: MAMC Experience"in 4th CMEworkshop on "Improving Availability and Rational use of Medicines in Public HealthFacilities under Government of NCT Delhi", Dept of Pharmacology, MAMC. 19th -22nd Feb 2019.
- Attended a Workshop on Systematic Reviews and Meta-analysis using Revman, 11th to 15thMarch 2019 at Public Health foundation of India, Gurgaon.
- Coordinator for DNB Pharmacology Practical Exam held by National Board of Examinations on 23rd-24th April 2019, Dept of Pharmacology, MAMC.
- Delivered a guest lecture on "Ethics Committee" for a one day workshop for faculty trainingon"Human Research protection and GCP training" on 13th September' 2019 at ESIC DentalCollege and Hospital, Rohini.
- Chairperson for a Guest lecture on "Recent Regulatory reforms for Conduct of ClinicalResearch in India" in 11th Annual Conference of the Indian Society for Rational Pharmacotherapeutics from 29th – 30th November 2019 at Science City, Kolkata.
- Organizing Secretary for 2nd CNE and workshop on "Pharmacovigilance for our safety" held on12th December 2019, Dept of Pharmacology, MAMC.

Dr Niket Rai

- Resource person in 4 th CME workshop on "Improving availability and Rational use of medicines in public health facility" organized by Department of pharmacology, MAMC, NewDelhi from 18 th – 22 nd February 2019.
- Resource person in "Pharmacovigilance workshop" organized by Department of pharmacology, MAMC, New Delhi from 26 th March 2019.
- Participated in the CME entitled "Global Trend in Neuropsycho – Physiology research" and Workshop on "Clinical Electro-Diagnostic Tools for Teaching and Research" organized bythe Department of Physiology, MAMC, Delhi on Monday, 16 th September 2019.
- Organized "Pharmacovigilance quiz competition" for MBBS students in Department ofPharmacology, MAMC, New Delhi on 1st October.
- Participated in the workshop entitled "JIPMER Integrated Pharmacogenomic Program JIPP2019" and "Indo- swiss symposium on Pharmacogenomics" organized by the Department of Pharmacology, JIPMER, Puducherry from 18 to 23 November 2019.

Dr Manukumar Shetty

- Co-organizing Secretary and conducted a group activity on Identification of Adverse drug reactions for the 2nd CNE Workshop on "Pharmacovigilance for Our Safety" held on 12th December, 2019
- Resource person for 4th CME Workshop on Improving Availability and Rational Use ofMedicines in Public Health Facilities was held from 19th – 22nd February, 2019
- Attended CME entitled " Global Trends in neuropsycho-physiology Research" held on 16thseptember 2019 organized by Departmnet of Physiology, MAMC, India
- Attended Symposium "Mathematics in Biomedical Sciences" held on 10th March 2019organized by Indian National Science Academy (INSA) – Delhi NCR Chapter, Department of Biochemistry, All India Institute of Medical Sciences (AIIMS), New Delhi, & CSIR - Institute of Genomics & Integrative Biology (IGIB), New Delhi.

Dr. Mukul Soni

- Attended One day workshop and four day CME in 6th World Congress on Nanomedical Sciences at Vigyan Bhawan (Delhi), 7th -10th January 2019 as delegate.
- Attended workshop on "Improving Availability and rational use of medicines in public health facilities", 19th -22nd February 2019 at MAMC as resource person.
- Attended 7th CME workshop on "Pharmacovigilance for Patient Safety" on 27th march 2019 at MAMC as resource person.
- Attended 2nd CNE workshop on "Pharmacovigilance for our Safety" on 12th December 2019 as resource person.

Dr Razi Akhtar

- Attended workshop on "Improving Availability and rational use of medicines in public health facilities", 19th -22nd February 2019 at MAMC as resource person.
- Attended 7th CME workshop on "Pharmacovigilance for Patient Safety" on 27th March 2019 at MAMC as resource person.
- Attended 2nd CNE workshop on "Pharmacovigilance for our safety" on 12th December 2019 as resource person.

Conferences/workshops attended and papers presented by Residents

1. 4th CME workshop on "Improving Availability and Rational use of Medicines in Public Health Facilities under Government of NCT Delhi", 19th -22nd Feb 2019, Dept of Pharmacology, MAMC attended by all Residents.
2. 6th CME and workshop on Pharmacovigilance for patient safety on 27th March 2019, MAMC attended by all Residents.
3. 2nd CNE and workshop on "Pharmacovigilance for our safety" held on 12th Dec August 2019, Dept of Pharmacology, MAMC attended by all Residents
4. Interactive Meet On New Drugs And Clinical Trials Rules 2019 – Its Understanding And Impact", Faridabad, 17th May 2019 was attended by: Dr. Sahil Kumar, Dr. Ayush Jain, Dr. Nidhi Maheshwari, Dr. Durga Patil
5. 52nd Mini-Workshop In Medical Education Technologies For Senior Residents Of M.A.M.C. & Other Govt. Hospitals Of Delhi", New Delhi, 16th To 18th October 2019 was attended by: Dr. Sahil Kumar
6. The PG orientation programme/ Clinical Epidemiology Workshop for 1 st year PG students, organized by Maulana Azad Medical College, New Delhi on 6th July 2019, attended by Dr Vikram Sharma and Dr Nasra Banu
7. "PHARMATECH" held in the department of Pharmacology and Clinical Therapeutics, Seth GS Medical college and KEM hospital from 7th to 16th February, 2019 was attended by: Dr. Ayush Jain and Dr Anurag Virmani
8. Workshop on "Drug discovery and development" held at Glenmark Pharmaceuticals, Navi Mumbai on 8th February, 2019 was attended by: Dr. Ayush Jain
9. 52nd Mini-Workshop In Medical Education Technologies For Senior Residents Of M.A.M.C. & Other Govt. Hospitals Of Delhi", New Delhi, 16th To 18th October 2019 was attended by: Dr. Ayush Jain and Dr Neeraj Rajdan.
10. Recent advances in Parkinson's disease, a symposium held on 16th feb 2019, organised by Department of Physiology, MAMC N.Delhi was attended by all residents.
11. One day workshop on "Biomedical waste management" Department of Microbiology, MAMC, N.Delhi was attended by Dr Neeraj Rajdan
12. Poster on topic " Adverse drug reaction among patients on Anti-Parkinson Medicine" : A Review , a symposium on recent advances in Parkinson's disease held on 16th Feb 2019 organised by Department of Physiology , MAMC, N.Delhi was presented by Dr Neeraj Rajdan
13. One day workshop on "Biomedical waste management" Department of Microbiology, MAMC, N.Delhi was attended by Dr Nasra and Dr Vikram on 11th June 2019
14. Basic Life support and Advanced cardiac life support course was attended by Dr Nasra on 3rd to 5th Oct 2019
15. Basic Life support and Advanced cardiac life support course was attended by Dr Vikram on 21st to 23rd Oct 2019
16. Oral presentation on "Nutraceutical- regulations, availability and cost in India" at International Conference on Nutraceuticals and Chronic Diseases September 2019, Guwahati, Assam: Dr. Durga Patil
17. Poster presentation on Challenges and possibilities in treatment of Parkinson's disease: a
18. review: At symposium on recent advances in treatment of Parkinson disease held on
19. 16th February 2019 organised by Department of Physiology was done by Dr Ijasul Haque

6. **Visitors:**

1. The department organized three workshops. There were27invited External Guest faculty that participated in them.
2. During the conduct of the DNB Pharmacology Examination , two senior external faculty (examiners) came. During conduct of 2nd Professional MBBS examination four Senior External faculty came as Examiners.

7. Significant events (Honours to Faculty)

Dr. Vandana Roy

Invite as Chief Guest, CME for Medical Officers sponsored by Rashtriya Ayurveda Vidyapeeth, Ministry of AYUSH, All India Institute of Ayurveda, New Delhi, October 14th, 2019.

Dr Shalini Chawla

National Institute on Drug Abuse (NIDA) clinical Trial s Network Certificate of completion to certify completion of six hour required course on Good Clinical Practice.

Felicitated at 20th convocation of National Board of Examinations on 24 th Dec,19 for contribution as a faculty.

Dr Bhupinder Singh

Completed and cleared GCP web based training course from Ashford and St. Peter's hospital(NHS) on 25th June 2019.

8. Representation on expert committees/ bodies.

Dr. Vandana Roy

- Dean, Faculty of Medical Sciences, University of Delhi
- Dean, Faculty of Homeopathy Medicine, University of DelhI.
- Dean, Faculty of Ayurveda & Unani Medicine, University of Delhi
- Chairperson , Board of Research Studies, Faculty of Medical Sciences, University of Delhi
- Member of Executive Committee , University of Delhi, July 27th 2018-January 15th 2019
- Member, Academic Council, University of Delhi
- Member, Internal Quality assurance Committee (IQAC) Committee, KiroriMal College, University of Delhi.
- Member , Internal Quality Assurance Committee, University College of Medical Sciences, Delhi
- Member Standing Committee for Academic Matters, University of Delhi
- Member Governing Body, Vallabh Bhai Patel Chest Institute, University of Delhi
- Member Governing Body, University College of Medical Sciences, University Of Delhi
- Member Committee for Annual Report of University of Delhi August 2019
- Member Scientific Advisory Committee, VP Chest Institute, University of Delhi
- Member Advisory Committeeof College of Nursing, Army Hospital (R & R)
- Chairperson, Committee for inspection of Raj Kumari Amrit Kaur Nursing Hospital
- Chairperson, Fact Finding Committee to examine complaint against Faculty members, University of Delhi
- Chairperson, Screening Committee for Assistant Registrar in senior scale, University of Delhi
- Member, Interim Committee on Health, World University Service (WUS), University of Delhi
- Co Chairman, Committee to purchase medicines for Health Centers, DelhiUniversity.
- Head, Department of Pharmacology, University of Delhi.
- Chairperson, Department Research Committee, Pharmacology, University of Delhi
- Member of Delhi Medical Council
- Member of Executive Committee, Delhi Medical Council
- Nomination as an Inspector for Medical Council of India, for assessment of the physical & teaching facilities available at Karpagam Faculty of MedicalSciences & Research, Coimbatore. May 28th 2019.
- Examiner DNB Pharmacology 2019

Members

1. Member Technical Advisory Committee for Immunization, Delhi State, Ministry of Health & Family Welfare, Government of NCT of Delhi. 2018- 2020
2. Member State Task Force for Tuberculosis, Delhi.
3. Member Subject Expert Committee(SEC) constituted by Drugs Controller General India (DCGI) to advice DCGI in matters related to approval of (a) Clinical trials (b) New drugs and (c) New medical devices.
4. Member Technical Specification Committee for finalizing the specification of equipment, kits and drugs for National Viral Hepatitis Control Program, 2018-2020.
5. Member, Institute Ethics Committee, Max Super Speciality Hospital, Saket
6. Member, Institute Ethics Committee, Pandit Deendayal Upadhyaya National Institute for Persons with Physical Disabilities (Divangyan)
7. Subject Expert on Selection Committee for posts of Professor & Associate Professor, Department of Pharmaceutical Education and Research, Jamia Hamdard, Delhi 2019.
8. Reviewer for Scientific journals
9. Examiner for MD Examinations to external Universities

10. Chairperson & Coordinator, Maulana Azad Medical College Committee for Pharmacovigilance, 2014- till date
11. Chairperson & Faculty Coordinator of MAMC- SPIC MACAY committee(Society for Promotion of Indian Classical Music, Arts and Culture Amongst Youth) (2005- till date)
12. Chairperson and Convener, Dissection Monitoring Committee for Maulana Azad Medical College 2015- till date
13. Member Core Committee of Revised National Tuberculosis Control Program RNTCP(MAMC)
14. Officer In charge Central Animal House (2012-till date)
15. Officer In Charge of Lecture Theatres, Since 2014 till date
16. Internal member of selection Committee for interviews of Senior residents in Pharmacology

Dr Shalini Chawla

- Member Secretary for Institutional Animal Ethics Committee of MAMC and AssociatedHospital
- Member, Institutional Ethics Committee,MAMC & Associated Hospitals.
- Acting Member Secretary, Institutional Ethics Committee,MAMC & AssociatedHospitals

18. Member of Serious Adverse Event(SAE) Committee,MAMC & Associated Hospitals.
19. Subject expert of Selection Committee for the post of Professor and Associate Professor under Career Advancement Scheme (CAS) in the Dept. of Pharmacology, Faculty of Pharmacy, Jamia Hamdard University.
20. Chairperson ofExpert Committee constituted by Central Insecticides Board and RC for finalization of Toxicological Protocol for data generation for registration of bio-pesticides
21. Member of Expert committee to seek advice on DEGEE used as excipient in diclofinaec injection regarding safety and tolerability.
22. Expert Member of Gazette notified Scientific Panel for pesticides and Antibiotic Residues constituted by FSSAI.
23. Chairperson of committee formed by Government of India to suggest minor changes in formulation of pesticides.
24. Member of Subject Expert committee (SEC) constituted by DCGI to to advice drugs Controller General India, in matters related to approval of (a) Clinical trials (b) New drugs and (c) New medical devices.
25. Member of Therapeutic Use Exemption Committee (TUEC), National Anti-dope Agency, CGO Complex ,New Delhi
26. Member of expert committee on registration of Biopesticides.
27. Internal Expert for the appointment of Senior Residents for Department of Pharmacology , on regular basis
28. Member of Courses Committee, Department Of Pharmacology, Delhi University..
29. Member of Pharmacovigilance Committee of Department of Pharmacology, MAMC & Associated hospitals.
30. Member on the Panel of National Board of Examination for correction of DNB Theory papers.
31. Member, Institutional Ethics Committee, Action Balaji Hospital
32. Member, Institutional Ethics Committee, Action Cancer Hospital
33. Member, Institutional Ethics Committee, Indian Fertility Society, Delhi.
34. Max Health Care Super Specialty Hospital,Vaishali, Ghaziabad.
35. Expert for the Technical Committee constituted for the supervision and monitoring of conduct of clinical trials in the country by DGHS.
36. Expert for the Technical Committee constituted to discuss issues relating to drug substitutionand make recommendations there ongoing supervision in the country by DGHS.
37. Expert for Adhoc Codex Intergovernmental Task Force on Antimicrobial Resistance (TFAMR) constituted by FSSAI
38. Member of CSIR SRF/RA/SRA Selection Committee Meeting in the area of “Medical & Pharmaceutical Sciences (MEDIC-11)” is being organized at “Human Resource Development Group (HRDG), CSIR Complex, Library Avenue, Pusa, New Delhi – 110 012”.
39. Member of the Board of Studies (BOS) for Pharmacology at Hamdard Institute of Medical Sciences, (HIMSR), Jamia Hamdard, New Delhi.
40. Expert for confidential meeting scheduled to be held in UPSC, Ayog Sachivalaya Building, Shahjahan Road, New Delhi .
41. Member of the Departmental Research Committee for the conduct of scientific work.
42. Chairperson of Departmental Committee to review the Competency Based Medical Education Curriculum being rolled out by Medical Council of India 2019.
43. Resource person for Delhi Subordinate Services Recruitment board(DSSSB).
44. Expert for the interview of faculty positions for various posts in ESICMC & Hospital, Faridabad, 10 April19
45. Expert for the interview of faculty positions for various posts in ESIDC & Hospital, 25 October 19.

Dr Bhupinder Kalra
Member, Purchase Committee,Maulana Azad Medical College
Member, Institutional Animal Ethics Committee, Maulana Azad Medical College Member, College Condemnation and auction committee, Maulana Azad Medical College
Member, Curriculum Committee, Faculty of Medical Sciences, University of Delhi
Nominee for CPCSEA, Ministry of Environment and forests(Animal welfare)
Link Nominee for CPCSEA, IAEC, IGIB, Delhi
Expert for setting paper for Pt.B.D. Sharma University of Health Sciences, Rohtak

Dr Vandana Tayal
Member Secretary of Pharmacovigilance Committee of MAMC & Associated hospitals.
Member Secretary of Pharmacovigilance Committee for training Nurses
Member Secretary, Dissection Monitoring Committee for Maulana Azad Medical College
Member, Library Committee, Maulana Azad Medical College
Member of the Departmental Research Committee for the conduct of scientific work.
Expert for setting, validation and assessment of Question bank for National Board of Examination, Dwarka, New Delhi.
Examiner, paper setter for University of Delhi

Health Services to the Community
The Department is conducting programs related to improving safe and rational use of medicines for the community. These include:-

A. Monitoring of Adverse Drug Reactions
Department of Pharmacology, MAMC is a recognized center for monitoring adverse drug reactions under the Pharmacovigilance Programme of India, Indian Pharmacopoeia Commission, Ministry of Health and Family Welfare, Government of India. The Department has reported 511 Individual case Safety Reports (ICSRs) to the National Pharmacovigilance Centre for reporting to the International Centre for Pharmacovigilance at Uppsala, through Vigibase in 2019.

Number of Adverse drug reaction (ADR) reported since September 2014 till date:-

Year	**Nos. of ADRs Reported**
2014 (Sept-Dec)	85
2015(Jan-Dec)	358
2016(Jan-Feb and Oct-Dec)	90 (Pharmacovigilance Associate not available between Feb'16 to Sep'16)
2017(Jan-Dec.)	411
2018(Jan-Dec.)	456
2019 (Jan-Dec)	511
Total	**1911**

The aims of the Center are to:
Make health care providers aware about Patient safety, concept of pharmacovigilance, Adverse Drug Reactions (ADRs) and its reporting with the ultimate objective to promote safe use of drugs.
The Center has been training health care providers in aspects related to pharmacovigilance and patient safety. The department conducted 2 workshops on Pharmacovigilance for patient safety in 2019 and has trained 502 participants which include, doctors, nurses and pharmacists. Department also trains 300 undergraduate MBBS and BDS students in pharmacovigilance and ADR reporting every year.

B. **Improving availability & rational use of medicines in public health facilities**
Every year the Department organizes a workshop on the theme "Improving availability and Rational use of medicines in public health facilities", training doctors working in Delhi Government Hospitals on aspects related to improved selection, prescribing and rational use of medicines. This will help them manage medicines better. Such training if implemented in practice will result in improved access to essential medicines and their safe use for the community in public health facilities. In the year 2019, 67 doctors attended the workshop from 30 different hospitals of Delhi Government. Overall 199 doctors, 13 nurses and pharmacists have been trained in this regard since 2016.

1. **Laboratory data**

	Name of the Laboratory	Therapeutic Drug Monitoring
B)	Tests	Number of tests
	Estimation of Lithium	14
	Estimation of Steroid	25

16. **New facilities added:** The department is undergoing major renovation of laboratories, seminar rooms, resident rooms, faculty rooms and toilets.
A new Post graduate Laboratory was made functional in the year 2018. New equipment for the same has been procured. The laboratory for experimental research has been upgraded.
Two more new laboratories- Pharmacogenomic and Chromatography laboratory are in process of being prepared. New furniture and equipment for the same are being installed.

Any other worth mentioning information

a)Teaching

The Department lays emphasis on undergraduate teaching and endeavours to put in programmes to engage students with the Department and the subject. The following are some of the activities done.

i) Students orientation: The introduction and orientation of the new batch to Pharmacology is done when they enter the third semester in August. The faculty, residents and staff all introduce themselves individually. All the students also introduce themselves individually by talking about themselves. In addition they are invited to put up a cultural performance, like singing songs, playing instruments, acting, reciting poems. This gives the teachers a birds eye view of the students as well as in breaking ice.

ii) Small group active learning: To encourage students engagement with Pharmacology and make the learning of the subject interesting small group, active learning activities are encouraged. All the teachers are involved in the process. Although the number of teachers is not sufficient for small group teaching and teacher students ratio is large, still whatever best can be done is done.

New activities to engage students in the learning are implemented. This year to enhance students understanding about pharmacovigilance a Quiz for students in pharmacovigilance was also organized. The first three inning teams were given certificates

iii) Students feedback self appraisal (SFSA) program : To help students learn better ,a program for students feedback and self appraisal has been put in place. They are shown their performance records in the department at regular intervals and are asked to reflect as to how they have performed and reasons for it. The students therefore get the opportunity to improve their performance in subsequent assessments. They are also given the feedback forms to comment on their performance and how the department can further help them in learning. This activity is also done in small batches with a batch teacher. This is done throughout the year. So that the students know how they are doing and if they want , they can work to improve their learning. A perceptible difference in students performance is being felt

b)Research

The following research papers received awards

1. First prize: Scientific paper entitled Challenges and possibilities in treatment of Parkinson's disease: a review Physiology Symposium . Organized by Department of Physiology, Maulana Azad Medical college, New Delhi February 16th 2019 Ijasul Haque, Kavita, Vandana Roy.
2. Second prize: Scientific paper entitledPhysiology-Pharmacology Interface: Targets In Treatment Of Parkinson's Disease. Physiology Symposium onOrganized by Department of Physiology, Maulana Azad Medical college, New Delhi February 16th 2019Rahul Gehlot, Angelica, Vandana Roy
3. Second prize : Sulfinamide: advantages & disadvantages. Physiology Symposium onOrganized by Department of Physiology, Maulana Azad Medical college, New Delhi February 16th 2019. Vaishali Babasaheb Lote, Vandana Roy

c) Social and bonding activities

To increase bonding among all residents and staff members, the Department faculty, residents and all non teaching staff celebrate festivals, personal events like promotions, birthdays, anniversaries and other events all together regularly. Some festivals which were celebrated include Lohri, Basant Panchami, Holi, Independence day, Diwali, Guru Nanak Jayanti and Christmas

PHYSIOLOGY

Name of the Head of the Department: Dr. V.P. Varshney

1. Faculty:

S.No.	Name of the Faculty	Designation
1.	Dr. Damor Robinson	Dir. Professor
2.	**Dr. V.P. Varshney**	**Dir.Prof. &HOD**
3.	Dr. Bal Krishana	Dir. Professor
4.	Dr. M. Satyanarayanan	Dir. Professor
5.	Dr. Daya Ram Haldwani	Dir. Professor
6.	Dr. Aarti Sood Mahajan	Dir. Professor
7.	Dr. Mona Bedi	Dir. Professor
8.	Dr. Preeti Jain	Professor
9.	Dr. Aquil Ahmad	Assistant Professor
10.	Dr. Payal Bhalla	Assistant Professor
11.	Dr. Ravi Kaushik	Assistant Professor

2. Members who have left during the period:Nil

3. Additions to the Faculty during theperiod:

S.No.	Name of Faculty	Designation	Whether newly joined /promotion
1.	Dr. Payal Bhalla	Assistant Professor	Newly Joined
2.	Dr. Ravi Kaushik	Assistant Professor	Newly Joined

4. ResearchScheme:

(a) On goingproject:-

i. "Effect of Acute exercise on serum cortisol and cardiovascular reactivity to mental stress in offspring of hypertensives". Supervisor- **Dr. V. P. Varshney**; Co-Supervisor- **Dr. MonaBedi.**

ii. "Thyroid status and inflammatory markers in patients of Bronchial Asthma". Supervisor- **Dr. Dayaram Haldawani**; Co-Supervisor- **Dr. Aarti Sood Mahajan,** Dr. Binita Goswami, Dr. D. P.Bhadoria.

iii. " Prevalence of video-game addiction among undergraduate medical students and correlation with trait Emotional intelligence and Psychological health: A cross sectional study. **ICMR** STS project 2019; **Dr. Preeti Jain** (as Supervisor).

iv. Addressing Smokeless Tobacco and Building Research Capacity in South Asia (funded by National Institute of Health Research, NIHR, UK). **Dr. Ravi Kaushik.**

(b) Details of thesis completed during currentyear:

i. M.D. Thesis: "Neuroprotective potential of Ellargic acid and Epigallocatechin-3- gallate against 6-hydroxy dopamine induced rat model of Parkinson's Disease." Supervisor–DrBalKrishana;Co-supevisor–DrPramodLali,DrSavitaMishra.

ii. Msc Thesis: "Association of glycemic control with oxidative stress and cognitive impairment".- Dr. Payal Bhalla guided this thesis in HIMSR, Jamia Hamdard.

5. Trainees from other agencies:NIL

6. Training Course/Conferences/Workshopsorganized:

i. Dr. V. P. Varshney, Dr. Mona Bedi, Dr. PreetiJain organized CME cum Workshop entitled " Global trends in Neuropsycho-physiology research and workshop on clinical Electro diagnostic tools for teaching and research" in Department of Physiology, MAMC on 16.09.2019.

ii. Dr. Bal Krishana organized a National Symposium as Chairperson on "Recent advances in Parkinson's Disease" on 16th Feb. 2019 in Maulana Azad Medical College, NewDelhi.
iii. Dr. Aarti Sood Mahajan as part of medical education department, organized CISP workshop for HOD's of MAMC and curriculum committee members of various colleges affiliated to regional centreMAMC

7. Publications during theperiod:

Dr. V. P. Varshney

i. V. P. Varshney, Mona Bedi :"Lacunae in Forensic Handwriting Examination: Scope for Exploitation. Published in MAMC Journal of Medical Sciences2019;5:19-23.

Dr. Aarti Sood Mahajan

i. Mahajan AS, Favourable Influence of revised basic course workshops in medical education technology in knowledge of teaching, learning and assessment methods of participants. SEAJME 2019;13(1):19-26.
ii. Mahajan AS, Competency based medical education in India: Relevance of proposed curriculum to Physiology. IJBAP 2019; 8(1):1-8.

Dr. Mona Bedi

i. **V. P. Varshney, Mona Bedi: "Lacunae in Forensic Handwriting Examination: Scope for Exploitation". Published in MAMC Journal of Medical Sciences2019;5:19-23.**

Dr. Preeti Jain

i. Sekhar Jiwal, Preeti Jain*, Ajay Kumar Jain. Impact of playing action and puzzle video-games on attention and executive function: A comparative study. IJPP 2019;63(2): 122-129. (*CorrespondingAuthor).
ii. Jiwal Sekhar, Jain Preeti*, Jain Ajay. Behavioural and neuro- electrical correlates of cognitive performance in young mobile-gamers of endless runner and match three genres. (Accepted for publication in International journal of Adolescent Medicine and Health in October,2019)

8. Books/Chapters/Contributed:

i. "Practical Physiology- A student's Workbook", 1st Edition 2019, by Dr. V. P. Varshey and Dr. MonaBedi.
ii. Dr. Ravi Kaushik has contributed a chapter in the Text Book on Frontiers in AnticancerDrugDiscoveryeditedbyDr.Rahman,Chaudharyofpublisher.Ed.2019.
iii. Dr. Ravi Kaushik contributed to the 'Physiology' section of review book 'Review Of All Medical Sciences (ROAMS)', edited by Dr V D Aggarwal, CBS publishers. Ed. 2019.

9. Conferences/Workshops/Symposiumsattended:

Dr. Damor Robinson

i. GuestspeakeratCMEatGovt.MedicalCollegePatialaon9thMarch2019.
ii. Attended Annual Conference APPICON 2019 at Govt. Medical College Guwahati from 27th to 30th November2019.

Dr VP Varshney

i. Attended a training programme on Excellence in Peer Review at MAMC on 9th Sept. 2019.
ii. Participated as delegate in the Continuing Medical Education (CME) on "Role of Lab diagnosis in Immunological Disorders" organized by dept. of Biochemistry, MAMC, New Delhi on 16th March2019.

Dr. Bal Krishana

i. Participated in CME Physiology update 2019 organized by the Government Medical College, Patiala on 9th March2019.
ii. Attended National symposium on "Recent Advances in Parkinson's disease" in MAMC on 16th Feb.2019.
iii. Attended as delegate in CME on role of lab diagnosis in immunological disorders by department of Biochemistry MAMC, New Delhi on 16th March2019.
iv. Attended as delegate at the 9th Annual UP UK APPICON 2019 organized by the department of Physiology & Pharmacology, Sharda University, Greater Noida, UP.
v. Participated in "Global trends in Neuropsycho-physiology research and workshop on clinical Electro diagnostic tools for teaching and research" organized by department of Physiology, MAMC, on 16th Sept.2019.

Dr. Daya Ram Haldwani

i. Attended Indo-European workshop on Next Generation Physiology for healthy Lifestyle, from 31st Jan- 1st Feb. 2019 at AIIMS, NewDelhi.
ii. Participated as Organizing Secretary in the symposium on "Recent Advances in Parkinson's disease" organized by department of Physiology, MAMC on 16th Feb. 2019.
iii. Attended the Continuing Medical Education (CME) on "Role of Lab diagnosis in Immunological Disorders" organized by dept. of Biochemistry, MAMC, New Delhi on 16th March2019.
iv. Participated as a faculty member in the 61st Annual Delhi State Medical Conference of Delhi Medical Association held on 24th March 2019, Hotel Le- Meridian, NewDelhi.
v. Delegate in Vision & Work conclave 2019 of the Association of Environmental & occupational Health, Delhi (Delhi State Branch of Indian Association of OccupationalHealth-IAOH),15thSept.2019,atIndiaHabitatCentre,NewDelhi.
vi. Attended in the CME entitled "Global trends in Neuropsycho-physiology research workshop on clinical Electro diagnostic tools for teaching and research" organized by department of Physiology, MAMC, on 16th Sept.2019.

Dr. Aarti Sood Mahajan

i. Attended CME cum Workshop entitled " Global trends in Neuropsycho-physiology research and workshop on clinical Electro diagnostic tools for teaching and research" was organized by Department of Physiology, MAMC on16.09.2019.
ii. Attended the Continuing Medical Education (CME) on "Role of Lab diagnosis in Immunological Disorders" organized by dept. of Biochemistry, MAMC, New Delhi on 16th March2019.
iii. Attended Curriculum Implementation Support program, at MCI, New Delhi on 23rdto 24th January 2019.
iv. Attended workshops in Medical education department as honoraryfaculty.

Dr Mona Bedi

i. Attended a training programme on Excellence in Peer Review at MAMC on 9th Sept. 2019.
ii. Participated as delegate in the Continuing Medical Education (CME) on "Role of Lab diagnosis in Immunological Disorders" organized by dept. of Biochemistry, MAMC, New Delhi on 16th March2019.

Dr. Preeti Jain

i. Attended XXVII Annual Meeting of Indian Academy of Neurosciences held at AIIMS, New Delhi from 18th -21st Nov. 2019 and presented an oral paper, "Trait Emotional Intelligence as Predictor of Psychological health in Medical Students".
ii. Attended workshop on "Techniques in Physiological sciences 2019 held at AIIMS, New Delhi from 12th-15th Dec.2019.
iii. Participated in CISP Workshop held from 25th-27th Sept. 2019 at MCI, Regional Centre for Faculty development, MAMC, NewDelhi.

Dr Aquil Ahmad

i. Attended TIPS Advanced 2019 Workshop, 12th-15th December 2019, AIIMS, New Delhi.

Dr. Payal Bhalla

i. Curriculum Implementation support Program (CISP) Workshop from 25th September to 27th september, 2019 at MCI Regional Centre for Faculty development, MAMC, NewDelhi.
ii. CME on 'Holistic Approach to Pain' on 9th November, 2019 at Santosh Medical College and hospital,Ghaziabad.
iii. TIPS Advanced (Techniques in Physiological sciences - advanced) workshop for SAARC Nations from 12th to 15th December, 2019 at AIIMS, NewDelhi

10. Visitors:NIL

11. Significant Events (Honours toFaculty):

Dr VP Varshney

i. Chairperson in "Global trends in Neuropsycho-physiology research workshop on clinical Electro diagnostic tools for teaching and research" organized by department of Physiology, MAMC, on 16th Sept.2019.
ii. Chairperson in VIIIth Congress of Federation of Indian Physiological Societies at ESIC Medical College & Hospital, Faridabad on 27th-29th Sept.2019.
iii. Expert panelist at LHMC in the fifth Intercollegiate Undergraduate Physiology Quiz 2019.
iv. Chairperson in International collaborative conference, on "Evidence based Non invasive treatment modalities: Futuristic medicine" organized by the Dept of Physiology and Deptt of Psychology at Govt Institute of Medical Sciences, Greater Noida on 18th & 19th Nov 2019.

Dr. Bal Krishana

i. Delivered guest lecture on Recent Advances in Parkinson's Disease at Govt. Medical College Patiala on 9th March2019.
ii. Chaired session at Govt. Medical College, Patiala on 9th March,2019.
iii. Chaired and Judge during Scientific events held on 5th& 6th April 2019 by Sharda University, GreaerNoida.
iv. Chaired one session in "Global trends in Neuropsycho-physiology research and workshop on clinical Electro diagnostic tools for teaching and research" organized by department of Physiology, MAMC, on 16th Sept. 2019.

Dr Mona Bedi

i. As Judge in poster presentation in VIIIth Congress of Federation of Indian Physiological Societies at ESIC Medical College & Hospital, Faridabad on 27th-29th Sept.2019.
ii. Expert panelist at LHMC in the fifth Intercollegiate Undergraduate Physiology Quiz 2019.
iii. Chairperson in International collaborative conference, on "Evidence based Non invasive treatment modalities: Futuristic medicine" organized by the Dept of Physiology and Deptt of Psychology at Govt Institute of Medical Sciences, Greater Noida on 18th & 19th Nov 2019.

Dr. Payal Bhalla

i. Judged the Poster Presentation at CME on 'Holistic Approach to Pain' at Santosh Medical College and hospital, Ghaziabad on 9th November,2019.

Dr. Ravi Kaushik

i. Delivered guest lecture etc at WHO and ICMR joint "Online Certificate Course on Smokeless Tobacco" in the month of May and July2019.
ii. International travel award by Japanese Govt under the program JENESYS in the month of Jan2019.

12. Fellowship:NIL

13. Representation on expertCommittee/Bodies:

Dr. Damor Robinson

i. Attended board of research study meeting at JNMCH, Aligarh,U.P.
ii. ExpertCommitteeforPhysiologyatJIPMER,Pondicherryon11thOctober2019.

Dr. Daya Ram Haldwani

i. Appointed as selection committee member for seniorresident.
ii. Nominated as a member for the committee of course &studies.
iii. Nominated as a member of medical board for age determination, Lok Nayak Hospital, NewDelhi.
iv. Member of local purchase committee related to karamchariunion.

Dr. Aarti Sood Mahajan

i. Chairperson Annual report Committee for annual day2019.
ii. Member of graduate reception committee2019.

Dr Preeti Jain

i. Nominated by the National Booard of Examination, New Delhi for various validation workshops for conduct of different post graduate entranceexaminations.
ii. Appointed as external examiner for MD (Physiology) Exams, April/May 2019 by AIIMS, NewDelhi.

iii. Member of CCS of FMS, DelhiUniversity.

Dr. Payal Bhalla

i. External expert for BOT/BPT Ist year Physiology Exam on 14th May, 2019 at Hamdard Institute of Medical Sciences, Jamia Hamdard,Delhi
ii. External expert for LMT (Life sciences) Ist year Physiology Practical Exam and Viva voiceon7thJune,2019atIntegratedInstituteofTechnology,sector-9,Dwarka,Delhi

Dr. Ravi Kaushik

i. Nominated by the Ministry of Health and Family Welfare (agency) as expert/advisor to "Nasha Mukti Abhiyan TaskForce".

14. Health Services to theCommunity:
Dr. Daya Ram Haldwani

Help to poor socioeconomic students.

15. LabData: NIL

a) Name of theLab:
b) Name and no. of the testperform
c) Percentage of growth compared to the lastyear.

16. New Facilities added:NIL
17. Any other worth mentioning information:NIL

PLASTIC SURGERY

Name of the Head of the Department: Dr.Prabhat Shrivastava

FACULTY:

1.	Dr. Prabhat Shrivastava, MS, MCh, FICS, FAIS	Consultant Plastic Surgeon and Head
2.	Dr. P. S. Bhandari , MS, MCh	Consultant Plastic Surgeon & Head of Unit(Ex-Head of Deptt.)
3.	Dr. Arun Goel, MS, MCh, FICS	Consultant Plastic Surgeon & Head of Unit
4.	Dr. Varsha Gupta MS, DNB (Plastic Surgery)	Specialist Gr. III

2. Research Scheme

(a) Ongoing project: Nil

(b): Details of Thesis:

(A) Under production:

I. A study of linear and angular nasal measurements in Indian population of north-east region. (Candidate: Dr Aakanksha Goel, Guide: Dr. P.S. Bhandari; Co-Guides: Dr. Prabhat Shrivastava, Dr Varsha Gupta)

II. A study of pattern of morbidity consequent to post traumatic sole defects.(Candidate: Dr Pragya Priya, Guide: Dr. Arun Goel; Co-Guides: Dr. Prabhat Shrivastava, Dr PS Bhandari, Dr Varsha Gupta)

III. Comparison of intralesional 5- fluorouracil with intralesional triamcinolone acetonide in the treatment of keloid.(Candidate: Dr Vishwadeep, Guide: Dr. Prabhat Shrivastava; Co-Guides: Dr. PS Bhandari, Dr. Arun Goel)

IV. Effectiveness of topical phenytoin split thickness skin graft donor site healing.(Candidate: Dr Parth Pratim Pasayat, Guide: Dr. Prabhat Shrivastava; Co-Guides: Dr. PS Bhandari, Dr. Arun Goel)

(B) Submitted to and accepted by the National Board of Examinations:

I. Evaluation of post-operative antibiotic prophylaxis in primary cleft palate repair: A randomised controlled study. (Candidate: Dr Vishalbhai Kantilal Patel. Guide: Dr Prabhat Shrivastava; Co- Guides: Dr P S Bhandari and Dr Arun Goel).

II. A Study of donor site morbidity following harvest of intermediate thickness split skin grafts. (Candidate: Dr Bhupender Gaidhane. Guide: Dr Arun Goel; Co-Guide: Dr Prabhat Shrivastava).

III. Comparison of Outcome in Suture Techniques versus Cartilage Grafts in Tip Rhinoplasty (Candidate: Dr Anil Kumar Kaler, Guide: Dr PS Bhandari; Co-Guides: Dr Prabhat Shrivastava and Dr Vikas Malhotra).

IV. Comparison of intralesional Bleomycin with intralesional Triamcinolone acetonide in the treatment of Keloids (Candidate: Dr Sahil Singla. Guide: Dr PS Bhandari, Co-Guide: Dr Prabhat Shrivastava and Dr Bijay Laxmi Sahoo)

V. Dr Prabhat Shrivastava was Co-Guide for MD (Community Medicine) Thesis "An Epidemiological Study of Hospitalised Adult Burn Injury patients." Candidate: Dr Mohammad Rashid (Accepted by University of Delhi).

5. Trainees from other agencies

I. Students from Deen Dayal Upadhyay Hospital, St. Stephen's Hospital and Ahilya Bai College of Nursing, New Delhi.

II. Physiotherapy Students from Jamia Milia University.

6. Training Course /Conference /Workshops organised: NIL

7. Publications during the period: None

8. Books/ Chapters / Contributed: None

9. Conferences/ Workshops/Symposia Attended:

Faculty:

Dr. Prabhat Shrivastava:

i. Dr Prabhat Shrivastava attended 'Regional Scar Forum 2019' at Hotel Lalit, New Delhi on 26th May 2019 and chaired a session.

ii. Dr Prabhat Shrivastava attended as Invited Faculty, Moderator and Chairperson "Woundcarecon2019", "13th Annual Conference of the Society for Wound Care and Research" at Institute of Medical Sciences, Banares Hindu University, Varanasi, UP." held from 27th–29th Sept 2019. Delivered a Guest lecture on 'Principles of Primary Excision in Burn Wounds'

iii. Dr Prabhat Shrivastava attended as Faculty 'Masterclass In Craniomaxillofacial Reconstruction' and AIIMS Cadaveric Surgical Skills Training held at AIIMS, New Delhi on 2019

iv. Dr Prabhat Shrivastava attended as Invited Faculty and Chairperson "Tips @ Medanta - Techniques in Plastic Surgery, Annual CME Series- Season 4", at Medanta-The Medicity, Gurugram, held from 7th-9thSept, 2019 .

v. Dr Prabhat Shrivastava attended 'Preventive Vigilance & E-Procurement: Key to Good Governance', a residential training program organized by National Productivity Council (NPC) under Ministry of Commerce & Industries, Government of India, held at Goa from 18th-22nd November, 2019.

Dr. PS Bhandari:

i. Dr PS Bhandari was invited speaker at Workshop on "Knowledge and Skill Update in Nursing Practice" organized by Delhi Nursing Council and delivered a Guest lecture on "Management of Acute Burns" at Lok Nayak Hospital, New Delhi on 14th January, 2019.

ii. Dr PS Bhandari delivered a Guest lecture on "Total auricular reconstruction in congenital and acquired deformity" at "Otoplasty Update and Hands on Cartilage Carving Workshop" at SGPGI, Lucknow, on 16th Jan 2019.

iii. Dr PS Bhandari attended as a Faculty and delivered a Guest Lecture on "Osteotomy in Rhinoplasty" at "The First Russian-Indian Aesthetic Forum–Two Wings", organized by The Russian Society of Plastic, Reconstructive and Aesthetic Plastic Surgeons and held at New Delhi from 16th-17th February,2019.

iv. Dr PS Bhandari attended as a Faculty and delivered Guest Lectures on 'Ear Reconstruction-How I do it' and 'Tips and tricks of Rhinoplasty' at "Plasticon -2019", organized by "Society of Plastic and Reconstructive Surgeons (SPRS)", held at AIIMS, Rishikesh from 24th-25th February, 2019.

v. Dr PS Bhandari delivered a Guest lecture on Open Rhinoplasty at 42nd Annual Conference of AOI (Delhi Chapter) at Lady Hardinge Medical College, New Delhi from 2-3rd March, 2019"

vi. Dr PS Bhandari delivered a lecture on "Vascular anomalies"&"Cleft Lip and palate" in12th Paediatric Surgery Update at MAMC, New Delhi from 1st-7th March 2019

vii. Dr PS Bhandari attended "A Live Operative Workshop" organized by Rajiv Gandhi Cancer Institute at Hotel Crowne Plaza, Rohini, New Delhi on 17th March, 2019. Dr Bhandari was moderator and he also delivered a Guest Lecture on Head and Neck reconstruction.

viii. Dr PS Bhandari attended DMA Annual Conference, "Nacon" 2019, organized by Delhi Medical Association at Hotel Le Meridien, New Delhi on 24th March,2019

ix. Dr PS Bhandari attended as Invited Faculty and delivered a Guest Lecture on 'Open Rhinoplasty" at "Rhinoplasty Update 2019" (In association with Delhi AOI) at Baba Saheb Ambedkar Medical College, New Delhi' on 5th April, 2019

x. Dr PS Bhandari delivered a Guest lecture on 'Osteotomy in Rhinoplasty' in '3rd International Rhinoplasty Congress' held at Hotel Royal Orchid, Jaipur on 20th-21st April 2019 and moderated the operative session.

xi. Dr PS Bhandari attended 'Regional Scar Forum 2019' at Hotel Lalit, New Delhi on 26th May, 2019 and chaired a session.

xii. Dr PS Bhandari delivered a Guest lecture on 'Osteotomy in Rhinoplasty' and 'Open Rhinoplasty' in "Rhinoplasty video workshop" held at SDM Hospital Jaipur, Rajasthan, on 9th June 2019.

xiii. Dr PS Bhandari delivered a Guest lecture on "Three decades of ear reconstruction" at 'APSI –Delhi Chapter Meet' on 10th August 2019.

xiv. Dr PS Bhandari delivered a Guest lecture on 'Open Tip Rhinoplasty' in video workshop at Medanta Hospital Gurugram held from 8th-9th Sept.2019.

xv. Dr PS Bhandari delivered Guest lectures on 'Different techniques of ear reconstruction- Nagata vs Brent vs Me', 'Prominent ear', 'My tryst with otoplasty so far' and 'Video on cartilage carving'.He was Trainer and moderator for hands on carving work shop held on 20th October 2019 in Ramada Hotel, Jaipur.

xvi. Dr PS Bhandari delivered a Guest lecture on "Head and neck reconstruction" in 8th ENT update" held at Maulana Azad Medical College, New Delhi from5th- 7thDec 2019.

xvii. Dr PS Bhandari delivered delivered a Guest lecture on "Ear reconstruction" and chaired a session on 'C.R.Sundarrajan Video Workshop' in 54th Annual conference of Association of Plastic Surgeons of India held at Shiksha O Anusandhan, University of Bhuvaneshwar, Odissa on 11th Dec, 2019.

xviii. Dr PS Bhandari was s Guest Faculty and also moderated a session at International Conference on Oral Cancer and Reconstruction held on 14th Dec 2019 at University of Chicago Centre, New Delhi organised by University College of Medical Sciences and GTB Hospital, Delhi.

Dr. Arun Goel:

i. Dr Arun Goel was invited speaker at Workshop on "Knowledge and Skill Update in Nursing Practice" organized by Delhi Nursing Council and delivered a Guest lecture on "Management of Burn Wound and Post Burn Sequelae" at College of Nursing, Lok Nayak Hospital, New Delhi. on 14th January, 2019

ii. Dr Arun Goel attended "A Live Operative Workshop" organized by Rajiv Gandhi Cancer Institute at Hotel Crowne Plaza, Rohini, New Delhi on 17th March, 2019.

iii. Dr Arun Goel attended DMA Annual Conference, "Nacon" 2019, organized by Delhi Medical Association at Hotel Le Meridien, New Delhi on 24th March, 2019.

iv. Dr Arun Goel attended 'Regional Scar Forum 2019' at Hotel Lalit, New Delhi on 26th May, 2019 and chaired a session

Dr Varsha Gupta:

i. Dr. Varsha Gupta attended "Aesurg 2019"organized at Fariyas Resort, Lonavala, from 14th-17th March, 2019. She also attended the 'Fat Grafting Course' and 'Rhinoplasty Course' during this conference.

ii. Dr Varsha Gupta attended 7th CME Workshop on Pharmacovigilance for Patient Safety organized by Department of Pharmacology, Maulana Azad Medical College, New Delhi on 27th March, 2019

DNB (Plastic Surgery) Residents:

1 'APSI –Delhi Chapter Meet' was attended by all the 12 DNB residents on 12th Jan 2019.Dr Aakanksha Goel

presented a free paper on 'Basal Cell Carcinoma of Face-Our Experience'.

2 Dr Anil Kumar Kaler, Dr Bhupendra Gaidhane, Dr Sahil Singla and Dr Vishal Patel attended 'The First Russian-Indian Aesthetic Forum–Two Wings', organized by 'The Russian Society of Plastic, Reconstructive and Aesthetic Plastic Surgeons', held at New Delhi from 16th-17th February,2019

3 Dr Aakanksha Goel, Dr Amit Verma, Dr Vishal Patel, Dr Takshak Deshmukh, Dr Parth Pratim, Dr Sahil Singla and Dr Anil Kaler attended "A Live Operative Workshop" organized by Rajiv Gandhi Cancer Institute at Hotel Crowne Plaza, Rohini, New Delhi on 17th March, 2019.

4 Dr Sahil Singla, Dr Pragya Priya, Dr Vishwadeep and Dr Vishal Patel attended 'Regional Scar Forum 2019' at Hotel Lalit, New Delhi on 26th May 2019.

5 'APSI –Delhi Chapter Meet' was attended by all the 12 DNB residents on 10th August 2019. Dr Aakanksha Goel presented a free paper on "Outcomes of Bipolar Sternomastoid Tenotomy for Congenital Muscular Torticollis in 'Latecomers'".

6 'Plastic Surgery The Meeting 2019'('88th Annual Conference of American Society of Plastic Surgeons') was attended by Dr Aakanksha Goel.She also presented a free paper on "Outcomes of Bipolar Sternomastoid Tenotomy for Congenital Muscular Torticollis in 'Latecomers'", at San Diego, California, USA from 19th-23rd September 2019.

7 Dr. Priyadarshini CA attended '52nd Mini workshop on Medical Education Technologies' for senior residents based on 'MCI Revised Basic Course Workshop Pattern' from 16th- 18th October 2019, organized by Department of Medical Education, National Teachers Training Centre (NTTC), Maulana Azad Medical College, New Delhi.

8 'MAMC Post Graduate Surgical Skills Training (PGSST')' held at Clinical Skills Centre, Maulana Azad Medical College, New Delhi from 30th October-1st November 2019 was attended by Dr. Priyadarshini CA.

9 Dr. Anant Vyas attended '53rd Mini workshop on Medical Education Technologies' for senior residents based on 'MCI Revised Basic Course Workshop Pattern' from 30th October- 1st November 2019, organized by Department of Medical Education, National Teachers Training Centre (NTTC), Maulana Azad Medical College, New Delhi.

10 'MAMC Post Graduate Surgical Skills Training (PGSST')' held at Clinical Skills Centre, Maulana Azad Medical College, New Delhi from 5th -7th November, 2019 was attended by Dr. Parth Pratim Pasayat and Dr. Anant Vyas.

11 'MAMC Post Graduate Surgical Skills Training (PGSST)' held at Clinical Skills Centre, Maulana Azad Medical College, New Delhi from 13th- 15thNovember, 2019 was attended by Dr. Aakanksha Goel and Dr. Mukul Dhabhai.

12 'MAMC Post Graduate Surgical Skills Training (PGSST)' held at Clinical Skills Centre, Maulana Azad Medical College, New Delhi from 19th- 21stNovember, 2019 was attended by Dr. Neeraj Kumar.

13 Dr. Mukul Dhabhai, Dr. Neeraj Kumar, Dr. Parth Pratim Pasayat and Dr. Aakanksha Goel received certificate of Appreciation (Honours) in recognition of their efforts to provide best patient care during mass casualty on 8th December 2019 from Medical Director, Lok Nayak Hospital, New Delhi.

14 Dr. Aakanksha Goel participated in Clinical Images Competition, Indian Journal of Medical Research 2019 (result pending).

15 Review of article titled '2019 International Clinical Practice Guidelines for the treatment and prophylaxis of venous thromboembolism in patients with cancer' from Lancet Oncology, 2019 authored by Dr. Aakanksha Goel, accepted for publication in Plastic and Reconstructive Surgery, April 2020.

10. Visitors: None

11. Significant Honours to Faculty:

1. Dr. PS Bhandari was honoured for his contributions to medical profession at VIII LOSA Meet organized by

Lansdowne Old Students Association on 15th and 16th June 2019.

2. Dr. Arun Goel received 'Distinguished Teacher Award' at the Annual Meeting of Association of National Board Accredited Institutions, ANBAI ((North Zone) on 22nd August 2019.
3. Dr. PS Bhandari was Chief Guest at Veer Chandra Singh Garhwali Medhavi Samman Samaroh at Delhi on 25th August 2019
4. Dr. Prabhat Shrivastava, Dr. PS Bhandari, Dr. Arun Goel and Dr Varsha Gupta received certificate of Appreciation (Honours) in recognition of their efforts to provide best patient care during mass casualty on 8th December 2019 from Medical Director, Lok Nayak Hospital, New Delhi.
5. Dr PS Bhandari is Journal Reviewer for 'Indian Journal of Plastic Surgery', 'Indian Journal of Orthopaedics' and 'Annals of Plastic Surgery'.

12. Fellowship: None

13. Representation on expert committee /bodies: Dr. PS Bhandari, Dr. Arun Goel and Dr. Prabhat Shrivastava are on various expert committees of Ministry of Health and Family Welfare, Nirman Bhawan, Govt. of India, New Delhi

PULMONARY MEDICINE

Name of the Head of Deptt.: **Dr. Naresh Kumar, Professor & Head**

Dr Naresh Kumar
MD (Medicine)
Professor of Medicine &
Head, Department of Pulmonary Medicine

- **Faculty**

S.No.	Name of Faculty	Designation
1	Dr Naresh Kumar	Professor

Member who have left during the period : None
Additions to the Faculty during the period : Nil

Research Scheme:
(a) Ongoing Project: Development of point of care (POC) diagnostic panel for rapid detection and stratification of bacterial septicemia in critically ill patient. (As Co-Investigator in the DST Project)

(b) **Details of thesiscompleted** during current year.
- Prevalence of Metabolic Syndrome in Chronic Obstructive Pulmonary Disease. (As Supervisor)
- Study of Cystatin C and NGAL levels during the progression of early CKD.(As Co-Supervisor)
- CSF Flow analysis in Tubercular Meningitis on 3T MRI. (As Co-Supervisor)

(c) **Ongoing Thesis**
- Clinical and etiological profile of patients with pericardial effusion.
- Adequacy of blood pressure control in patients with hypertension.
- Study of Thyroid dysfunction and Fibrosis score in Chronic Hepaptitis C before and after treatment with Direct acting antiviral agents.
- Assessment of People living with HIV (PLHIV) for advanced HIV disease with special reference to early mortality.
- Occurrence of coronary artery disease in Chronic Kidney Disease patients on regular hemodialysis.
- Cardiovascular manifestations in patients with thyroid dysfunction.

Trainees from other agencies

S.No.	Name of Trainees	Sponsoring Agency	Period of Training
1.	Nursing Students- 38	ABCON	31.07.19 to 16.10.19

Publications during the period:
1. Neha Garg, Rashmi Jain Gupta, Sunil Kumar, **Naresh Kumar**. Sickled red blood cells in urine: A preliminary indicator for the detection of sickle cell trait. Indian J Pathol Microbiol. 2019;62(1):186-188.
2. **Naresh Kumar**, Suresh Kumar. Chronic Constipation due to Hypercalcemia associated with hyperthyroid Adenoma: An uncommon presentation-A Brief Report. J. Adv. Res. Med. 2019;6:13-15.
3. Mradul K Daga, Ankit Chhoda, Shashank Singh, Govind Mawari, **Naresh Kumar**, T K Mishra, H S Hira. Effect of Statin Supplementation on Pulmonary Function and Inflammatory Markers in Patients of Chronic Obstructive Pulmonary Disease. Current Respiratory Medicine Reviews. 2019;15:50-15.
4. Rajat Bansal, **Naresh Kumar**, RS. Ahlawat, S. Anuradha. Health related quality of life and its determinants in patients with chronic kidney disease on hemodialysis. JAPI 2019; Vol 67. Plateform Presentation.
5. Pooja Anand, Sumer Sharma, Sunita Aggarwal, **Naresh Kumar**, M K Daga, Angad Grewal. Leptospirosis Presenting as symmetrical peripheral gangrene: A rare presentation. JAPI 2019. February Vol 67. Poster Presentation.

7. **Books/ Chapters /Contributed:**
- Lymphatic Filariasis. Emerging and Re-emerging INFECTIOUS DISEASES. A Publication of Association of Physicians of India.
- Acute Fever Syndromes: Fever with Rash (Non hemorrhagic) in Fever in the Tropics: A Practical Approach.

8. Conferences/Workshops/Symposiums attended:

- Attended National Research Conference-Cum- Workshop organized by Physician Research Foundation on 12th-13th January 2019.
- Attended MEDICINE UPDATE 2019 as Faculty on 91th -10th March 2019 at MAMC, New Delhi.
- Attended 27th Annual Conference on Diabetes, DIABECON 2019 on 27th-28th April 2019.
- Attended a CME on Thalassemia on occasion of World Thalassemia Day 2019 as Faculty on 4th May 2019 at Lady Harding Medical College, New Delhi.
- Attended API-DSC CME organized by Association of Physicians of India Delhi State Chapter as Faculty on 28th July 2019.
- Chaired a session on "Heart Failure-Recent Emerging Concept" in CLINICAL MEDICINE UPDATE 2019 organized by Max Super Speciality Hospital, Vaishali on 4th August 2019.
- Trained as Master Trainer for training the trainers at COE of HIV, MAMC.
- Attended a CME on Haemophilia in Dept of Medicine, MAMC.

Presentations in Conference

1. Mradul K Daga, Ishan Rastogi, Rashmi Mishra, Jitendra Shukla, **Naresh Kumar**, Goving Mawari. The Role of Lactate monitoring and qSOFA Score in predicting outcome in patients with Sepsis (Oral presentation at CRITICARE 2019, Mumbai).
2. Abhishek Verma, M.K. Daga, Sunita Aggarwal, **Naresh Kumar,** Ishan Rohatgi. Pulmonary Nocardiosis in chronic obstructive pulmonary disease: Beyond immunodeficiency-A case report. (Poster presentation in Medicine Update-2019 at MAMC)
3. Gayathri Ranie A.P, MK Daga, Sunita Aggarwal, **Naresh Kumar,** Ishan Rohatgi. ASMA positivity in a case of tubercular granulomatous hepatitis. (Poster presentation in Medicine Update-2019 at MAMC)
4. Saman Wasi, Jitender Shukla, M.K. Daga, Sunita Aggarwal, **Naresh Kumar**. Disseminated Tuberculosis causing renal amyloidosis presenting as Nephrotic syndrome. (Poster presentation in Medicine Update-2019 at MAMC)

Representation on expert Committee/Bodies:

1. Member of multidimensional/ multidisciplinary committee for finalizing a comprehensive and composite proposal for facilitating Training and Exchange Programs on Management Skills and Staff Skills of the in-service Medical Professionals/ Paramedicals/Nursing Staff of the Department of H&FW, Govt. of NCT of Delhi in National and International institutes of repute.
2. Member of Committee of Courses and Studies of Department of Medicine in Delhi University.
3. Master Trainer for trainings in HIV Care at COE of HIV, MAMC.
4. Member of Multidisciplinary Committee for management of skills and staff skills.
5. Counsellor for PGDGM Course under IGNOU at MAMC.
6. Counsellor for PGDHIV course at MAMC.
7. Internal Examiner for PGDGM Course from IGNOU at MAMC.
8. External examiner of Medicine for BDS in Sudha Rustogi Dental College, Fraidabad, Rohtak University.
9. External Examiner of Medicine for MBBS Final Professional in King George's Medical University.
10. Internal Examiner of Medicine at MAMC, Delhi University
11. Expert for Protocol presentation for MD thesis under Delhi University at MAMC.
12. Attended a meeting of Technical Standing Committee as a medical expert in MOH&FW on 24th July 2019 for full reimbursement under relaxation of rules.
13. Editor of Journal of Advanced Research in Medicine (JoARM).
14. Reviewed manuscripts for BMJ Case Reports, JoARM &MICR
15. Teaching Medicine to the students of MAIDS, an autonomous institute under GNCTD.

Lab Data:

A) Name of the Lab:**Respiratory Lab**

B) Name and no. of tests performed

Name of Investigations	Total No.
ABG	5761
Spirometry	3179
Bronchoscopy	80
Biopsy	33
BAL	64

RADIODIAGNOSIS

Name of the Head of department: Dr. Anju Garg

1. **Faculty :**

S.No.	Name of Faculty	Designation
1.	Dr. Anju Garg	Director Professor & HOD
2.	Dr. Gaurav S Pradhan	Director Professor
3.	Dr. Alpana Manchanda	Director Professor
4.	Dr. Rashmi Dixit	Director Professor
5.	Dr. Anjali Prakash	Director Professor
6.	Dr. Sapna Singh	Professor
7.	Dr. Jyoti Kumar	Professor
8.	Dr. Swati Gupta	AssistantProfessor
9.	Dr. Radhika Batra	AssistantProfessor

2. Members who have left during the period :NIL

3.Addition of faculty during the period : NIL

4.Research Schemes:
(A)Thesis submitted in 2019 : 20

(B)On going projects:
(I)Thesis to be submitted in 2020 : 20

(II)Thesis to be submitted in 2021 : 18

There are more than 50 ongoing projects in various specialities with Radiodiagnosis as the coinvestigative department and the faculty members in the department as cosupervisors for these projects.

4(A) Thesis submitted in 2019

Name of the student	Thesis topic	Supervisor	Co-supervisor
1-Dr Aanchal Ashta	Cerebrospinal fluid flow analysis in tubercular meningitis on 3T MRI	Dr. Anjali Prakash	Dr. Rashmi Dixit Dr. Naresh Kumar
2-Dr Anjana Rao	High resolution ultrasonography based thyroid imaging, recording and data system (T.I.R.A.D.S.) in risk stratification of thyroid nodules.	Dr. Alpana Manchanda	Dr. Anju Garg Dr. C.B.Singh Dr. Shyama Lata Jain
3-Dr Anurag Mehndiratta	Role of 3T MR and MDCT in the evaluation of temporomandibular joint disorders	Dr. Jyoti Kumar	Dr. Alpana Manchanda Dr. Ishwar Singh Dr. Sujata Mohanty
4-Dr Apoorva Sehgal	Multiparametric MRI in ocular and orbital space occupying lesions.	Dr. Alpana Manchanda	Dr. Jyoti Kumar Dr. Ruchi Goel
5-Dr Ashwini Kumari	High resolution 3T MRI in the evaluation of wrist pain	Dr. Sapna Singh	Dr. Anju Garg Dr. Anjali Prakash Dr. Sumit Sural
6-Dr Ayan Saha	Role of high frequency ultrasonography in evaluation of various causes of elbow pain	Dr. Gaurav Pradhan	Dr. Sapna Singh Dr. Vinod Kumar
7-Dr Beenish Khan	MR DTI evaluation of CNS Tuberculosis	Dr. Rashmi Dixit	Dr. Anjali Prakash Dr. Sunita Aggarwal

8-Dr Dhivakar Vino	MDCT in evaluation of non traumatic acute abdominal conditions	Dr. Gaurav Pradhan	Dr.Anju Garg Dr. C.B. Singh
9-Dr Naresh Kumar	High resolution ultrasonography in evaluation of painful ankle and foot	Dr. Anjali Prakash	Dr. Gaurav Pradhan Dr. Sapna Singh Dr. Lalit Maini
10-Dr Novee Seth	Computed tomographic analysis of frontal sinus recess antomy and its relationship with development of frontal sinusitis.	Dr. Jyoti Kumar	Dr. Ravi Meher Dr. Daljit
11-Dr Richa Gautam	HRCT temporal bone imaging features in patients with congenital aural atresia	Dr. Jyoti Kumar	Dr. J.C. Passey Dr. Ravi Meher
12-Dr Sanchita Gupta	Peripheral CT angiography in patients of peripheral arterial disease: effect of sublingual nitrate	Dr. Rashmi Dixit	Dr. Anjali Prakash Dr. M.K. Daga Dr. Anurag Mishra
13-Dr Sayan Bhoumik	Perfusion CT in detecting the development of pancreatic necrosis in early stage of severe acute pancreatitis	Dr.Alpana Manchanda	Dr. Jyoti Kumar Dr. Sushanto Neogi
14-Dr Sheetal Agarwal	Determination of placental elastography in normal and complicated pregnancies by acoustic radiation force impulse(ARFI)imaging using sonography	Dr.Anju Garg	Dr. Alpana Manchanda Dr. Sangeeta Gupta
15-Dr Shruti Badkhane	High Resolution CT in evaluation of laryngeal pathologies	Dr. Sapna Singh	Dr. Anjali Prakash Dr. Vikas Malhotra
16-Dr Sneha Harish C.	Real time ultrasonographic evaluation of the Achilles tendon and plantar fascia in patients with diabetes	Dr. Rashmi Dixit	Dr. Sapna Singh Dr. Sandeep Garg
17-Dr Sowmyashree K.N.	CT findings in pulmonary tuberculosis in HIV seropositive patients	Dr. Sapna Singh	Dr. Rashmi Dixit Dr. C.P. Baweja Dr. S.Anuradha
18-Dr Sugareddy	Role of diffusion weighted MRI in the evaluation of renal masses	Dr.Gaurav Pradhan	Dr. Anju Garg Dr. Shyama Lata Jain Dr. Chandrabhushan Singh
19-Dr Suparna Sahu	CT evaluation of abdominal tuberculosis using neutral or positive oral contrast agent	Dr.Anjali Prakash	Dr.Rashmi Dixit Dr.Rajdeep Singh
20-Dr Swasti Pathak	Role of Doppler sonography and magnetic resonance imaging in post-abortion and postpartum patients with abnormal bleeding per vaginum	Dr.Anju Garg	Dr.Rashmi Dixit Dr.Gauri Gandhi Dr.Nita Khurana

4B (I) Ongoing thesis in 2019

S.No	Name	Title	Supervisor	Co-Supervisors
1.	Dr. Abhishek Verma	3T MRI in the evaluation of fistula in ano	Dr.Alpana Manchanda	Dr. Anjali Prakash Dr.Sapna Singh Dr.Rajdeep Singh
2.	Dr.Anand Krishna Dev C	Comparison of CT Chest findings in pulmonary tuberculosis among diabetic and non diabetic patients	Dr. Rashmi Dixit	Dr. MK Daga Dr.Sapna Singh CO-INVESTIGATIVE DEPARTMENT : TB and Chest Clinic,LNH
3.	Dr. Anjali Sah	Role of placental acoustic radiation force impulse (ARFI) elastography in prediction of pre-eclampsia in high risk cases.	Dr. Anju Garg	Dr.Alpana Manchanda Dr. Sangeeta Gupta

4.	Dr. Aparna Murali	Chest ultrasononography in the evaluation of dyspnea	Dr. Anjali Prakash	Dr. Rashmi Dixit Dr. Monica Juneja Dr. Naresh Kumar
5.	Dr. Arun Kumar	Comparison of MDCT of the abdomen and pelvis with and without oral contrast in the assessment of acute abdominal pain.	Dr. Anjali Prakash	Dr. Gaurav Pradhan Dr.Alpana Manchanda Dr.Jyoti Kumar
6.	Dr. Ayush Jain	Triple-bolus multi detector computed tomographic urography in the evaluation of hematuria	Dr.Sapna Singh	Dr. Anjali Prakash Dr.Sushanto Neogi Dr.Sunita Aggarwal
7.	Dr.Bala Subashree A	3T Magnetic resonance evaluation of liver iron overload in thalassemia patients	Dr. Rashmi Dixit	Dr. Anju Garg Dr. U. Jhamb
8.	Dr.Damini S	3-Tesla Magnetic resonance imaging in the evaluation of rotator cuff abnormalities	Dr. Gaurav Pradhan	Dr.Sapna Singh Dr.Sumit Sural
9.	Dr.Himanshu Gupta	High resolution Computed Tomography features of temporal bone in patients with congenital sensorineural hearing loss on a 128 slice scanner.	Dr. Gaurav Pradhan	Dr.Jyoti Kumar Dr. Ravi Meher
10.	Dr. Mohammad Shoaib	Evaluation of imaging spectrum of Craniovertebral junction abnormalities on 128-slice Multi-detector Computed Tomography.	Dr. Gaurav Pradhan	Dr.Jyoti Kumar Dr.Sumit Sural Dr. Seema Kapoor
11.	Dr.Nishitha SH	Computed Tomography spectrum of thoracic manifestations in HIV seropositive patients.	Dr.Alpana Manchanda	Dr. Anjali Prakash Dr. S. Anuradha
12.	Dr.Prerna	Sonoelastographic characteristics of breast cancer and its association with immunohistochemical (IHC) subtypes.	Dr.Alpana Manchanda	Dr. Anju Garg Dr. Nita Khurana Dr. Deepak Ghuliani
13.	Dr. Radhika Daga	Role of Computed Tomography and multiparametric Magnetic Resonance Imaging in Evaluation of sinonasal masses.	Dr.Jyoti Kumar	Dr. Gaurav Pradhan Dr. Ravi Meher Dr.Vikas Malhotra
14.	Dr. Santosh Meena	3 Tesla Magnetic Resonance Imaging in the evaluation of Laryngeal tumours.	Dr.Sapna Singh	Dr. Gaurav Pradhan Dr. Rashmi Dixit Dr.Vikas Malhotra
15.	Dr.Shivali Arya	Splenic stiffness measurement by ultrasound elastography and its association with esophageal varices in Chronic Liver Disease.	Dr. Rashmi Dixit	Dr. Anjali Prakash Dr. A.S. Puri
16.	Dr. Shubham Khatod	High Resolution Ultrasonography in the evaluation of Entrapment neuropathies of the upper extremity.	Dr.Anju Garg	Dr. Anjali Prakash Dr. V.K. Gautam Dr.Debashish Chowdhury
17.	Dr.Suryavanshi Shubham Bipinchandra	Contrast enhanced Computed Tomography and CT perfusion of cervical lymph nodes in head and neck squamous cell cancers	Dr.Jyoti Kumar	Dr.Alpana Manchanda Dr. Nita Khurana Dr. Ishwar Singh

18.	Dr.Snehal Kose	Ultrasound and Computed Tomography in the evaluation of mesenteric lesions.	Dr.Sapna Singh	Dr. Anju Garg Dr.Alpana Manchanda Dr.Rajdeep Singh
19.	Dr.Stuti Chandola	Imaging spectrum of pelvic endometriosis on 3-T Magnetic Resonance Imaging.	Dr.Anju Garg	Dr. Anjali Tempe Dr. Rashmi Dixit Dr.Renu Tanwar
20.	Dr.Vanita Baberwal	Evaluation of fetal congenital abnormalities on 3 T MRI and its clinical utility.	Dr. Anjali Prakash	Dr. Anju Garg Dr. Sangeeta Gupta Dr.Sapna Singh co-investigative department: Department of Neonatology

S.No	**Nameof the Student**	**Title**	**Nameof Supervisior**	**Nameof Co-Supervisiors**
1.	Dr Abhishek Gupta	Ultrasound and multidetector computed tomography in the evaluation of primary retroperitoneal masses.	Dr.Alpana Manchanda	Dr. Nita Khurana Dr.Sapna Singh Dr.Rajdeep Singh
2.	Dr Aishwarya S. Durgad	Evaluation of cervical and vaginal lesions by gel sonovaginography	Dr. Anju Garg	Dr. Gauri Gandhi Dr.Alpana Manchanda
3.	Dr Amit Kumar	Diagnostic accuracy of HRCT compared to surgery in patients with squamosal type chronic otitis media	Dr.Jyoti Kumar	Dr. Anjali Prakash Dr. J C Passey Dr. Ravi Meher
4.	Dr Anjuman Agrahari	Role of magnetic resonance enterography and diffusion weighted imaging in the evaluation of inflammatory bowel disease	Dr. Rashmi Dixit	Dr. Anju Garg Dr. A S Puri Dr.Sapna Singh
5.	Dr Anubhav Kumar Singh	Imaging evaluation of non traumatic painful hip joint on 3 tesla magnetic resonance imaging	Dr. Anjali Prakash	Dr.Sapna Singh Dr.Lalit Maini Dr. Swati Gupta
6.	Dr Anupran Ghosh	Computed tomography virtual laryngoscopy in the evaluation of laryngeal and hypopharyngeal cancers	Dr.Sapna Singh	Dr.Jyoti Kumar Dr. Vikas Malhotra Dr. Shramana Mandal
7.	Dr Krishna Kumar Chaudhary	Computed tomographic evaluation of neck masses in pediatric population	Dr. Rashmi Dixit	Dr. Anjali Prakash Dr. Monica Juneja Dr.Vikas Malhotra
8.	Dr Mohini Kushwaha	Role of multiparametric magnetic resonance imaging in the evaluation of salivary gland tumors	Dr.Jyoti Kumar	Dr. Anju Garg Dr. Ishwar Singh Dr. Nita Khurana
9.	Dr Priyanka Kanwat	Role of 3 tesla magnetic resonance imaging in the evaluation of non-traumatic elbow disorders	Dr.Sapna Singh	Dr. Rashmi Dixit Dr. Anjali Prakash Dr.Sumit Sural
10.	Dr Punit Kumar Sah	Role of three tesla magnetic resonance imaging in evaluation of vascular malformations of extremities	Dr. G S Pradhan	Dr.Jyoti Kumar Dr.Prabhat Shrivastava Dr.Rajdeep Singh
11.	Dr Ramandeep Singh	Role of lung ultrasound in evaluation of interstitial lung diseases	Dr. G S Pradhan	Dr. Anju Grag Dr. Anjali Prakash Dr. Naresh Kumar
12.	Dr Rashmi Udupi	Multiparametric magnetic resonance imaging in evaluation of urinary bladder cancer	Dr.Alpana Manchanda	Dr. Rashmi Dixit Dr. Anurag Mishra Dr. Nita Khurana

13.	Dr Ritika Punia	Sonoelastographic evaluation in chronic kidney disease and its association with clinical stages	Dr.Alpana Manchanda	Dr. G S Pradhan Dr. R S Ahlawat Dr.Smita Kaushik
14.	Dr Rukhsar Khan	Comparison of mammographic breast density by visual assessment and automated volumetric software	Dr. Anju Grag	Dr. Rashmi Dixit Dr. Anjali Prakash Dr. Swati Gupta
15.	Dr Serene Balaji P	Role of diffusion weighted and dynamic contrast enhanced magnetic resonance imaging in assessment of response to neoadjuvant treatment in rectal cancer	Dr. Anju Garg	Dr. Anjali Prakash Dr. Kishore Singh Dr.Sundeep Singh Saluja
16.	Dr Shivani Sharma	Role of multidetector computed tomography in upper airway disorder	Dr.Jyoti Kumar	Dr.Sapna Singh Dr. U Jhamb Dr. Ravi Meher
17.	Dr Shweta Priti	Association of mammographic breast density with molecular classification of breast cancer	Dr. Rashmi Dixit	Dr. Anju Garg Dr. Nita Khurana Dr.Rajdeep Singh
18.	Dr Tashmeen Kaur Sethi	Comparison of conventional 2D Full Field Digital Mammography (FFDM) And Synthetic 2D Mammography	Dr. Anjali Prakash	Dr. Anju Garg Dr. Rashmi Dixit Dr.Rajdeep Singh

4B(II) Protocol submitted in 2019

5. Trainees from other agencies : nil

6. Training Course/Conferences/Workshops organized:

1. Delhi Imaging Update was organized by IRIA in association with Department of Radiodiagnosis, MAMC on 16th& 17th Feb 2019.
2. 4th AIIMS MAMC PGI Imaging Course Series, 5th Course on Genitourinary Imaging was organized by MAMC and held at MAMC Delhi on 15th& 16th Nov,2019.

Organizing Committee

Organizing Chairperson	:	Dr. Anju Garg
Organizing Co-Chairperson	:	Dr. Gaurav Pradhan
Organizing Secretary	:	Dr. Alpana Manchanda
Organizing Secretary	:	Dr. Sapna Singh
Treasurer	:	Dr. Radhika Batra

7. Publications during the period:

PUBLICATIONS:

1) Kumari A, Singh S, Garg A, Prakash A, Sural S. Tingling hand: Magnetic Resonance Imaging of median nerve pathologies within the carpal tunnel. Pol J Radiology 2019; 84: e484-e490.
2) Mehndiratta A, Kumar J, Manchanda A, Singh I, Mohanty S, Seth N, Gautam R. Painful Clicking Jaw : A Pictorial Review of Internal derangement of Temporo mandibular Joint . Pol J Radiology 2019; 84: e598-e615.
3) Sharma R, Meher R, Passey JC, Kumar J: Comparative evaluation of round window niche accessibility preoperatively on HRCT of temporal bone with intraoperative findings. The journal of laryngology and otology, 133(7):575-579. doi:10.1017/S0022215119001269.
4) Karna J, Kumar J, Srividya BT, Prakash A, Singh I, Garg A: Ectopic thyroid tissue in submandibular region. MAMC J med sci 2019;5:57-62.
5) Kumari A, Kumar J, Garg A, Gupta S: Dot in circle sign in actinomycotic mycetoma on MRI and US- a case series 2019;5(3):145-149.
6) Singla S, Kumar J, Pandey N: Prevalence and risk factors of subclinical vertebral fractures among women with rheumatoid arthritis. MAMC J Med. Sci 2019;5(3):121-127.

7) Gulati M, Gupta S, Prakash A, Garg A, Dixit R. HRCT imaging of Acquired Cholesteatoma: A Pictorial Review. Insights into imaging 2019.
8) Kori R, Bains L, Lal P, Gupta S: Zinner syndrome mimicking bladder outlet obstruction managed with aspiration. Urology Annals 09/2019;, DOI:10.4103/UA.UA_152_18
9) Gupta S, Dixit R, Garg A, Batra R: Atypical Posterior Reversible encephalopathy with spinal cord involvement (PRES-SCI): Eurorad2019URL:https://www.eurorad.org/case/16535ISSN:1563-4086
10) Gupta S, Singh K, Garg A, Bhandari PS et al. Clinicoradiological follow up of cherubism with aggressive characteristics- a series of 3 cases. Oral Surg Oral Med Oral Pathol Oral Radiol 2019.
11) MittalS, Pradhan G, Singh S, Batra R. T1 and T2 mapping of articular cartilage and menisci in early osteoarthritis of the knee using 3 Tesla Magnetic Resonance Imaging..Pol J Radiol 2019;84:549-564
12) Bhatia K, Mala YM, Tripathi R, Manchanda A, Singh MM. Validation of a Scoring Model for the Prediction of Peripartum complications in patients with Placenta previa. International Journal Of Obstetrics and Gynecology Research(IJOGR) Vol 6 (2019), 708-724.

ORAL PRESENTATIONS

Title of Presentation	Name of Author	Conference
1. The tingling hand: MR evaluation of median nerve pathologies (won the Best Paper Presentation Award)	Dr. Ashwini Kumari Dr. Sapna Singh Dr. Anju Garg Dr. Anjali Prakash	Delhi Imaging Update on 16-17th Feb, 2019
2. Paediatric liver tumours- What young radiologists need to know	Dr. Sneha Harish Dr. Sapna Singh Dr. Rashmi Dixit Dr. Anju Garg	AIIMS Rishikesh, RICON, UK on 30-31st March, 2019
3. CT Imaging in Laryngeal Cancers (CT Imaging of Laryngeal Cancers won the Best Paper Presentation Award)	Dr. Shruti Badkhane Dr. Sapna Singh Dr. Anjali Prakash Dr. Vikas Malhotra	Delhi State Chapter of IRIA on 27thJuly, 2019
4. High Frequency USG in evaluation of Peripheral nerve injuries	Dr. Ayan Saha Dr. Gaurav Pradhan Dr. Sapna Singh	Delhi State Chapter of IRIA on 27th July, 2019
5. DTI based white matter atlas of human brain	Dr. Beenish Khan Dr. Rashmi Dixit Dr. Anjali Prakash	Delhi state chapter of IRIA on 27th July, 2019
6. PERFUSION CT: A useful technique in predicting necrosis in early stage of severe acute pancreatitis	Dr. Sayan Bhoumik Dr. Alpana Manchanda Dr. Jyoti Kumar Dr. Pawanindra Lal Dr. Sushant Negi	Delhi State Chapter of IRIA on 27th July, 2019
7. A diagnosis not to be missed in patients with para spinal masses: extramedullary hematopoiesis	Dr. Nishitha Dr. Alpana Manchanda Dr. Radhika Batra Dr. Tejpal	Ct Buzz, Mumbai on 21st -22nd June
8. Role of Dynamic Contrast Enhanced MRI in slow flow Vascular Malformations Of the Orbit	Dr. Apoorva Sehgal Dr. Alpana Manchanda Dr. Jyoti Kumar Dr. Ruchi Goel Dr. Anju Garg Dr. RK Saran	Delhi Imaging Update, Feb 16-17, 2019 at MAMC, New Delhi
9. Spectrum of disease inpatients presenting with symptoms of Limb ischemia on CT Angiography.	Dr. Sanchita Gupta Dr. Rashmi Dixit Dr. Anjali Prakash	Delhi Imaging update Feb16-17,2019 at MAMC, New Delhi
10. Thyroid Incidentalomas: their significance and management guidelines	Dr. Anjana Rao Dr. Alpana Manchanda Dr. Anju Garg Dr. CB Singh Dr. Shyama Lata Jain	Delhi State Chapter of IRIA on 27th July, 2019

11. Role of magnetic resonance imaging and diffusion weighted imaging in characterization of jaw lesions	Dr. Rajesh V Dr. Jyoti Kumar Dr. Alpana Manchanda Dr. Sujata Mohanty Dr. Ravi Meher	72nd Annual Conference Of IRIA at Chandigarh
12. Mandibular Condylar Fractures : A Pictorial Review	Dr. Anurag Mehndiratta Dr. Jyoti Kumar Dr. Alpana Manchanda Dr. Ishwar Singh Dr. Sujata Mohanty	Delhi Imaging update Feb16-17,2019 at MAMC, New Delhi.
13. Comparison of neutral and positive oral contrast in evaluation of bowel lesions in patients with abdominal TB	Dr. Suparna Sahu Dr. Anjali Prakash Dr. Anju Garg Dr. Rashmi Dixit Dr. Rajdeep Singh	Delhi State Chapter of IRIA on 27th July, 2019
14. Encephalocraniocutaneous lipomatosis: A Rare Congenital Neurocutaneous Syndrome.	Dr. Swasti Dr. Anju Garg Dr Jyoti Kumar	Delhi State Chapter of IRIA on 27th July, 2019
15. CSF Flow Analysis in Tuberculous Meningitis patients: our initial experience	Dr Aanchal Ashta Dr Anjali Prakash Dr Rashmi Dixit Dr Naresh Kumar	ISNR Nov 2019 (21st Annual Conference of Indian Society Of Neuroradiology)

POSTER PRESENTATIONS

Title of Presentation	Name of Author	Conference
1. Multiparametric 3T MRI of suspected Prostatic malignancy	Dr. Pawan Kumar Dr. Anjali Prakash Dr. Rashmi Dixit Dr. Sapna Singh	72th Annual conference of IRIA, PGI Chandigarh, Jan,2019
2. High Resolution 3T MRI in the evaluation of ankle and hind foot pain	Dr. Elvis Raja Dr. Sapna Singh Dr. Gaurav S Pradhan Dr. Jyoti Kumar Dr. V K Gautam	72thAnnual conference of IRIA, PGI Chandigarh, Jan 2019.
3. Diagnostic value of High Frequency USG in Evaluation of ATFL injury	Dr. Naresh Dr. Anjali Prakash Dr. Gaurav Pradhan Dr. Sapna Singh Dr. Lalit Maini	AIIMS Rishikesh, RICON,UK 30-31st March, 2019
4. Jaundice in infants and children-An imaging overview	Dr. Sowmyashree Dr. Sapna Singh Dr. Rashmi Dixit Dr. Anju Garg	XVII Annual National Conference, Indian society of Paediatric Radiology 7-8th September,2019
5. Retroperitoneal lesions in pediatric population : A Pictorial Review	Dr. Suparna Sahu Dr. Anju Garg Dr. Anjali Prakash Dr. Alpana Manchanda Dr. Swati Gupta Dr. Radhika Batra Dr. M Sarthak Swarup	XVII Annual National Conference, Indian society of Paediatric Radiology 7-8th September,2019
6. Complete Androgen Insensitivity syndrome In a Family	Dr. Sheetal Agrarwal Dr. Stuti Chandola Dr. Anju Garg Dr. Jyoti Kumar	Ultravision 2019 dec 14-15, Dwarka Delhi
7. Assessment of white matter anatomy and DTI Scalar indices in subcortical and periventricular white matter in healthy volunteers- a study at 3T	Dr. Beenish Khan Dr. Anjali Prakash Dr. Rashmi Dixit	KCR 2019

8. C-1289 Image Based Comprehensive Review of Teratomas	Dr. S Swarup Dr. Swati Gupta Dr. Radhika Batra Dr. Rashmi Dixit Dr. Anju Garg	European Congress of Radiology 2019, held Feb 7- Mar 3, 2019, in Vienna, Austria
12.Role of diffusion weighted imaging and dynamic contrast enhancedimaging in chemotherapeutic response evaluation in cervical cancers	Dr. Raghavendra Dr. Alpana Manchanda Dr. Anju Garg Dr. Kishore Singh Dr. Gauri Gandhi	72nd Annual Conference of IRIA at PGI Chandigarh and was awarded 1st prize in women's imaging category
13. Atypical Posterior Reversible Encephalopathy	Dr. Sanchita Dr. Rashmi Dixit Dr. Alpana Manchanda	ISNR Nov 2019 (21st Annual Conference of Indian Society Of Neuroradiology)
14.CSF flow analysis in healthy volunteers using phase contrast MRI on 3 Tesla MRI	Dr Aanchal Ashta Dr Anjali Prakash Dr Rashmi Dixit Dr Naresh Kumar	ISNR Nov 2019 (21st Annual Conference of Indian Society Of Neuroradiology)

8.BOOKS/CHAPTERS/CONTRIBUTED:

1. Dr. Anju Garg is Editor for the textbook- Diagnostic Radiology- Genitourinary Imaging 4th Edition Jaypee Brothers Medical Publishers(P) Ltd. Ed-Gupta, Garg, Sandhu,2019
2. Dr. Gaurav S Pradhan is Co-Associate Editor for the textbook- Diagnostic Radiology- Genitourinary Imaging 4th Edition Jaypee Brothers Medical Publishers(P) Ltd. Ed-Gupta, Garg, Sandhu,2019
3. Dr. Alpana Manchanda is Co-Associate Editor for the textbook- Diagnostic Radiology- Genitourinary Imaging 4th Edition Jaypee Brothers Medical Publishers(P) Ltd. Ed-Gupta, Garg, Sandhu,2019
4. Dr. Sapna Singh is Co-Associate Editor for the textbook- Diagnostic Radiology- Genitourinary Imaging 4th Edition Jaypee Brothers Medical Publishers(P) Ltd. Ed-Gupta, Garg, Sandhu,2019
5. Dr. Anju Garg is Editor for the textbook- Diagnostic Radiology- Advances in Imaging Technology3rdEdition Jaypee Brothers Medical Publishers(P) Ltd. Ed-Gupta,Garg, Sandhu,2019

Following chapters were contributed in the Text book of **Diagnostic Radiology-Advances in Imaging Technology 3rdEdition Jaypee Brothers Medical Publishers(P) Ltd. Ed-Gupta, Garg, Sandhu,2019**

1. Imaging Optimization in Ultrasound- Rashmi Dixit, Anju Garg, Alpana Manchanda, Anjali Prakash.
2. Magnetic Resonance Instrumentation and MRI Safety Issues: An Update-Anjali Prakash, Jyoti Kumar, Sapna Singh
3. Imaging Optimization in Magnetic Resonance Imaging- Jyoti Kumar, Gaurav Pradhan, Rashmi Dixit, Anjali Prakash
4. Digital Radiography: An Update- Alpana Manchanda, Rashmi Dixit, Sapna Singh, Radhika Batra
5. Magnetic Resonance Contrast Media- Anju Garg, Radhika Batra, Alpana Manchanda
6. Iodinated Contrast Media: An Update (To Include Reactions and Management)- GS Pradhan, Swati Gupta, Jyoti Kumar, Anju Garg
7. Radiation Protection- Sapna Singh, Gaurav S Pradhan, Swati Gupta

Following chapters were contributed in the Text book of **Diagnostic Radiology- Genitourinary Imaging 4th Edition Jaypee Brothers Medical Publishers(P) Ltd. Ed-Gupta, Garg,Sandhu,2019**

1. Imaging Techniques and Radiological Anatomy of the Upper Urinary Tract- Sapna Singh, Jyoti Kumar, Anjali Prakash
2. Renal Cystic Diseases- Jyoti Kumar, Anjali Prakash, Sapna Singh
3. Renal Neoplasms- Anjali Prakash, GS Pradhan, Rashmi Dixit
4. Imaging Technique and Radiological Anatomy of lower Urinary Tract- GS Pradhan
5. Imaging Techniques and Radiological Anatomy of Female Genital Tract- Swati Gupta, Sapna Singh, AnjuGarg, Satyam
6. Benign Adnexal Disease- Anju Garg, Alpana Manchanda, Radhika Batra
7. Benign Disease of the Uterus and Vagina- Rashmi Dixit, Anju Garg, Alpana Manchanda
8. Malignant Diseases of Uterus and Vagina: Alpana Manchanda, Anju Garg, G S Pradhan
9. Female Infertility- Radhika Batra, Rashmi Dixit, Swati Gupta

10. Conferences/Workshops/Symposiums attended:

1. **Delhi Imaging Update**–Annual Conference Of Delhi Chapter of IRIA, 15-16th February 2019.-Dr Anju Garg**,** Dr. Anjali Prakash, Dr. Sapna Singh, Dr GS Pradhan, Dr Alpana Manchanda, Dr Rashmi Dixit, Dr Jyoti Kumar, Dr. Radhika Batra, Dr. Swati Gupta.
2. **4th AIIMS MAMC PGI Imaging Course Series, 4th Course on Advances in Imaging Technology** held at AIIMS New Delhi on 5th& 6th April, 2019-Dr Anju Garg
   Dr. Anjali Prakash, Dr. Sapna Singh, Dr GS Pradhan, Dr Alpana Manchanda, Dr Rashmi Dixit, Dr Jyoti Kumar, Dr. Radhika Batra, Dr. Swati Gupta
3. **XVII Annual National Conference of Indian Society of Paediatric Radiology (ISPR)** 2019 held at AIIMS Delhi on 7th& 8th September,2019- Dr Anju Garg

   Dr. Anjali Prakash, Dr. Sapna Singh, Dr GS Pradhan, Dr. Alpana Manchanda, Dr. Rashmi Dixit, Dr. Jyoti Kumar.
4. **4th AIIMS MAMC PGI Imaging Course Series, 5th Course on Genitourinary Imaging** held at MAMC Delhi on 15th& 16th Nov,2019-Dr Anju Garg, Dr.Anjali Prakash, Dr. Sapna Singh, Dr GS Pradhan, Dr Alpana Manchanda, Dr Rashmi Dixit, Dr Jyoti Kumar, Dr. Radhika Batra, Dr. Swati Gupta.

Dr. ANJU GARG

1. National annual conference of IRIA 2019 at PGIMER Chandigarh, 17-20th January
2. SOIICON 2019 – First annual conference, on Thoracic Oncology imaging from 8th -10th February in Delhi
3. SCIICON 2019 Ist annual conference of SCII conference 2019 held on 12th& 13th April 2019 in CMC Vellore
4. INSUOG 3rd-5th May, in Agra
5. Resident Education programme from 23rd -25th August in Delhi
6. Excellence in Peer Review a training workshop on 9th September in Delhi
7. ISNR 2019 – 21st Annual Conference Of Indian Society Of Neuroradiology 31st October – 3rd November in Delhi
8. Dr Rajendra Rao CME 2019 on 14th& 15th December in Chandigarh

Dr. ALPANA MANCHANDA:

1. 7th CME Workshop on Pharmacovigilance for patient safety on 27th March 2019 at MAMC, New Delhi.
2. Somatom India Summit 2019 held on 25th – 26thMay 2019 at Aerocity Delhi, organised by Siemens.
3. Meeting of Delhi State Chapter of IRIA on theme of 'Head & Neck Imaging' on 27th July 2019 at MAMC.
4. AIIMS Radiology Courses on Imaging of Chest tumors on 30th November, 1st December 2019 at AIIMS, New Delhi.

Dr. ANJALI PRAKASH

1. 70th Annual Conference IRIA-18-20January2019
2. RICON UK AIIMS Rishikesh-30-31.03.
3. AIIMS Jodhpur PG Refresher Course-12-15.04.19
4. Breast CME–SGRH Delhi-26.05.19
5. Interventional Radiology- IRIA outreach programme ICRI.Delhi-10.7.7.19 Invited chairperson
6. Skin CME MAMC-28.07.19
7. Anaesthesia update MAMC.28.08-1.9.2019
8. Surgery Update.23.09.19
9. MSK CME–Delhi IRIA 20.10.19
10. Ultravision 2019-Delhi IRIA 7-8-12-19-Invited faculty-Chairperson

Dr. SAPNA SINGH:

1. Delhi State Chapter of IRIA held on 27th July,2019
2. 9th Radiology Residents Hot Seat Review Course-2019 held at Apollo Hospital Delhi from 16th-18th April,2019
3. Delhi Residents Education Program (IREP) Delhi, organized by Delhi State Chapter of IRIA held on 23rd-25th August,2019 at Lady Harding Medical College, Delhi.

Dr. JYOTI KUMAR

1. 72nd annual conference of IRIA on 17th-19th January '19 held at PGI Chandigarh.
2. Basics of radiology for residents in medicine update on 10th March '19 held at MAMC.
3. Spinal dysraphism in Pediatric CME of West Bengal Of IRIA on 28th April held at Kolkata.
4. CT buzz, on 22nd -23rd June'19 held at Mumbai.
5. Monthly meet, IRIA on 27th July'19 held at MAMC, Delhi.
6. IREP Delhi on 23rd-25thAugust held at LHMC, Delhi.
7. Imaging of neck masses and Imaging of PNS in Recon UP On 12th-13th October'19 held at Agra.
8. Annual conference of SER on 30th November held at AIIMS, Delhi.

9. Imaging in ENT on 6th December held at MAMC, Delhi.

Dr. SWATI GUPTA

1. Basic Course Workshop by MCI Regional Centre, Maulana Azad Medical college, New Delhi held from 13/2/2019 to 15/2/2019.
2. Sensitization workshop for Attitude, ethics and Communication (AETCOM) module organized by Medical Council of India, Regional Centre, Maulana Azad Medical College, New Delhi on 16/2/2019
3. Monthly meeting of Delhi State Chapter, on 'Head and Neck Imaging', held on 27th July 2019 at Maulana Azad Medical College, Delhi.

Dr. RADHIKA BATRA

1. Monthly meeting of Delhi State Chapter, on 'Head and Neck Imaging', held on 27th July 2019 at Maulana Azad Medical College, Delhi.
2. Revised Basic Course Workshop in Medical Education Technologies by MCI Regional Centre, Maulana Azad Medical college, New Delhi held from 3/12/2019 to 5/12/2019.
3. Sensitization workshop for Attitude, ethics and Communication (AETCOM) module organized by Medical Council of India, Regional Centre, Maulana Azad Medical College, New Delhi on 6/12/2019.

10. Visitors

Dr.VivekMishra, Consultant Radiologist from Chicago, U.S. visited the Department and discussed interesting cases inNeuroradiology.

11. Lectures delivered:

Dr. ANJU GARG

1. Acute appendicitis – imaging update at National annual conference of IRIA 2019 at PGIMER Chandigarh, 17-20th January
2. Imaging of the placenta at Delhi Imaging Update 16 & 17th February in Delhi
3. Antenatally diagnosed surgical conditions at 12th Paediatric Surgery Update on 7th March in MAMC, Delhi
4. MRI contrast media at 4th course of AIIMS-MAMC-PGI imaging course series on Advances in Imaging Technology held on 5th& 6th April in Delhi
5. Film Reading Session On Genitourinaray Imaging at the Resident Education programme from 23rd -25th August in Delhi
6. MRI contrast agents in Neuroimaging and their current updates at the ISNR 2019 – 21st Annual Conference Of Indian Society Of Neuroradiology 31st October – 3rd November in Delhi
7. Imaging in benign adnexal lesions at 5th course of AIIMS-MAMC-PGI imaging course series on Genitourinary Imaging held on 15th& 16th November in Delhi
8. Imaging in twin pregnancy at the Dr Rajendra Rao CME 2019 on 14th& 15th December in Chandigarh
9. Imaging the adherent placenta at the Dr Rajendra Rao CME 2019 on 14th& 15th December in Chandigarh

Dr. GS PRADHAN

1. Iodinated Contrast Media: An Update (To Include Reactions and Management) in the AIIMS MAMC PGI Teaching Course Series on Advances in Imaging Technology held on 5th-6th April, 2019 at AIIMS, Delhi
2. Imaging Techniques and Radiological Anatomy of Lower Urinary tractin 4th AIIMS MAMC PGI Imaging Course Series on Genitourinary Imaging held at MAMC Delhi on 15th& 16th Nov,2019.

Dr. ALPANA MANCHANDA

1. Digital Radiography: An Update in the 4th course of the 4th AIIMS-MAMC-PGI Imaging Course on Advances in Imaging Technology on 5th-6th April 2019 at AIIMS, New Delhi.
2. Malignant Diseases of Uterus in the 5th course of the 4th AIIMS-MAMC-PGI Imaging Course Series on Genitourinary Imaging on 15th-16th Nov 019 at MAMC, New Delhi.
3. Abdominal and Skeletal Condition in Paediatrics in the Paediatrics workshop from 18th-20th Dec 2019 organised by dept of Pediatrics, MAMC.

Dr. RASHMI DIXIT

1. Imaging Optimization in Color Doppler at 72nd annual conference of IRIA on 17th-19th January held at PGI Chandigarh.
2. Imaging of Small bowel tumors at 72nd annual conference of IRIA on 17th-19th January held at PGI Chandigarh.
3. Imaging optimization in ultrasound at AIIMS MAMC PGI Imaging course -5th&6th April 2019
4. Imaging of Benign Uterine lesions at AIIMS MAMC PGI Imaging Course -15th&16th Nov 2019

Dr. ANJALI PRAKASH

1. Ultrasound Artifacts at 70th Annual Conference IRIA-18-20 january2019
2. Abdominal Tb at RICON UK AIIMS Rishikesh-30-31.03.19
3. MRI Instrumentation and safety at AIIMS-MAMC-PGI on 5-6.04.19
4. Approach to bone tumours at AIIMS Jodhpur PG Refresher course-12-15.04.19
5. MRI safety at DIU–Annual Conference of Delhi Chapter IRIA 2019
6. Radiological Spectrum of Tb at SKIN CME MAMC-28.07.19
7. Airway Radiology And Chest X ray at Anaesthesia Update MAMC.8.08-1.9.
8. Radiology of Biliary System at Surgery Update.23.09.19
9. Understanding FAI at MSK CME–DELHI IRIA20.10.19
10. Renal Neoplasms at AIIMS-MAMC–PGI-IMAGING COURSE MAMC 15-16-11-19

Dr. SAPNA SINGH

1. Radiation Protectionin the AIIMS MAMC PGI Teaching Course Series on Advances in Imaging Technology held on 5th-6th April, 2019 at AIIMS, Delhi
2. Hot Seat Review/ Film Reading Session on Abdominal Radiology at the 9th Radiology Hot Seat Review Course held from 16th-18th August, 2019 at Apollo Hospital, Delhi
3. Sellar and Juxtasellar Lesionsin IREP held from 23rd- 25th August,2019 at LHMC, Delhi
4. Radiological Anatomy and Imaging Techniques of the Upper Urinary Tract in 4th AIIMS MAMC PGI Imaging Course Series on Genitourinary Imaging held at MAMC Delhi on 15th& 16th Nov,2019
5. CT and MRI Interpretation of Brainin the Paediatric imagingworkshop from 18th-20th Dec 2019 organised by dept of Pediatrics, MAMC.

Dr. JYOTI KUMAR

1. Laryngeal neoplasmsin 72nd annual conference of IRIA on 17th-19th January '19 held at PGI Chandigarh.
2. Cochlear implant imagingin DIU MAMC on 16th-17th February '19 held at MAMC.
3. Basics of radiology for residents in medicine update on 10th March '19 held at MAMC.
4. Image optimization in MR in AIIMS-MAMC-PGI Conference on 5th-6th April'19 held at AIIMS, Delhi.
5. Spinal dysraphism in Pediatric CME of West Bengal Of IRIA on 28th April held at Kolkata.
6. Spatial approach to neck mass and Panel discussionin CT buzz, on 22nd -23rd June'19 held at Mumbai.
7. Head and neck emergency SER e-lecture on 19th July.
8. Interactive case discussionin monthly meet, IRIA on 27th July'19 held at MAMC, Delhi.
9. Imaging of neck masses and Imaging of PNS in Recon UP On 12th-13th October'19 held at Agra.
10. Cochlear implant imagingin ISPR on 7th – 8thSeptember'19 held at AIIMS, Delhi.
11. Film reading sessionin IREP Delhi on 23rd-25thAugust held at LHMC, Delhi
12. Head and neck emergencyin Annual conference of SER on 30th November held at AIIMS, Delhi.
13. Imaging Temporal bonein Imaging in ENT on 6th December held at MAMC, Delhi.

Dr. SWATI GUPTA

1. Imaging Techniques and Radiological Anatomy Of Female Genital Tract at The Fourth AIIMS-MAMC-PGI imaging course series, 5th course on genitourinary imaging held at Maulana Azad medical college on 15th and 16th November 2019
2. CT Scan of Nose And Paranasal Sinuses at The 1st CME on Imaging in ENT held at Maulana Azad Medical college, New Delhi On 10th August 2019
3. Spotters at Fourth AIIMS-MAMC-PGI imaging course series, 4th course on Advances in Imaging Technology, held at All India Institute of Medical sciences, New Delhi on April 5th and 6th 2019

Dr. RADHIKA BATRA

1. Spotters in Delhi Imaging Update, Delhi State Chapter of IRIA, held at Maulana Azad Medical Collegeon 16th& 17th February, 2019
2. Imaging of neck spaces in monthly meet of Delhi state chapter of IRIA at Maulana Azad Medical Collegeon 27th July, 2019
3. CT of the neck in1st CME on Imaging in ENT at Maulana Azad Medical College on 10th August, 2019
4. Spotters in Fourth AIIMS-MAMC-PGI Imaging Course Series, 5th course on Genitourinary Imaging, held at Maulana Azad Medical College on 15th& 16th November, 2019
5. Imaging the Pediatric Chest, in Practical Pediatric Capsule Course, Department of Pediatrics, held at Maulana Azad Medical College from 18th to 20th December, 2019

Significant Events (Honors to Faculty)/AWARDS

Dr. RASHMI DIXIT
Awarded Academic Excellence award by Delhi State Chapter IRIA at DIU Feb2019, N. Delhi.

Dr. JYOTI KUMAR
1. Fellowship Indian College of Radiology, in 72nd annual conference of IRIA on 17th-19th January '19 held at PGI Chandigarh.
2. Dr. N.G. Gadekar Oration on Imaging in inner ear malformations, in 72nd annual conference of IRIA on 17th-19th January '19, held at PGI Chandigarh.

12. Fellowship: N/A

13. Representation on expert Committee/Bodies.

Dr. ANJU GARG
1. Member of technical specification and evaluation committee for purchase of Radiology equipments for AIIMS.
2. Member of technical specification and evaluation committee for purchase of radiology equipments – for the Delhi government hospitals (CPA)
3. Member of the technical committee for Essential Drugs and other Consumable and non-consumable items for department of Radiodiagnosis for Delhi Govt hospitals
4. Member of the technical committee for Essential Drugs and other Consumable and non-consumable items for department of Radiodiagnosis for JSSH, Janakpuri.
5. Member of Subject Expert Committee for Radiodiagnosis at the Central Drugs Standard Control Organisation (CDSCO), DGCI, FDA.
6. Member of the state supervisory board under the PC & PNDT Act.
7. Member of the Essential Drugs List committee of govt. of NCT, Delhi for selection of essential medicine
8. Expert reviewer for the MAMC Journal of Medical Sciences and Indian journal of Radiology and Imaging
9. Member of pharmacovigilance committee , MAMC

Dr. G S PRADHAN
1. Subject expert for selection of senior residents in department of radio-diagnosis, Maulana Azad Medical College, New Delhi.
2. Subject expert for selection of senior residents in department of Radio-diagnosis, LN hospital, New Delhi.
3. Technical expert for consumable/non -consumable items for LN hospital, New Delhi.
4. Technical expert for central procurement agency (CPA), Delhi government for various diagnostic radiology equipments for Delhi government hospitals.

Dr. ALPANA MANCHANDA
1. Chairperson in Ultravision 2019, organised by Delhi state chapter IRIA on 14th Nov 2019
2. Nodal officer of PC and PNDT of Department of Radio-Diagnosis MAMC and LNH.
3. Organizing secretary of 4th AIIMS MAMC PGI Imaging Course Series on Genitourinary Imaging held at MAMC Delhi on 15th& 16th Nov,2019

Dr. RASHMI DIXIT
1 Subject expert DNB
2 Member Pharmovigilance Committee.
3 Technical expert for central procurement agency (CPA), Delhi government for various diagnostic radiology equipments for Delhi government hospitals.

Dr. ANJALI PRAKASH
1. National Board Of Examinations
2. Technical specification and evaluation Committee for radiology Equipment GNCT DELHI
3. Technical committee- ILBS, Delhi
4. Member TAC-AIIMS DELHI

5. AIIMS, RISHIKESH
6. Subject Representative National Medical Library
7. Library Advisory Committee–MAMC
8. Vice President-Delhi State Chapter of IRIA
9. Convenor of DIU 2019 and member of Scientific Committee DIU

Dr. SAPNA SINGH
1.Subject expert DNB
2. Organizing secretary of 4th AIIMS MAMC PGI Imaging Course Series on Genitourinary Imaging held at MAMC Delhi on 15th& 16th Nov,2019

Dr. JYOTI KUMAR
Subject expert DNB

Dr. RADHIKA BATRA
Part of IT Committee MAMC

Dr. SWATI GUPTA
Expert Member In "Workshop for developing training modules for management of Extra-pulmonary TB" held at All India Institute of Medical sciences, Delhi from 11th to 13th September 2019 and 21st to 23rd October 2019

10. Health services to the community :

11. Lab data:

STATISTICAL DATA W.E.F 01.01.2019 TO 31.12.2019

1.	Digital + CR Radiography (Emergency. + Main Department + OPD + Ortho)	:	340438
2.	In Bed (Ortho + Emergency)	:	14140
3.	M.L.C. (Digital + CT)	:	19639
	Grand Total	**:**	**374217**
4.	Ultrasound & Colour Doppler (Main X-ray & Emergency)	:	77278
5.	Whole Body C.T. Scan (Main Dept. + Emergency)	:	43147
6.	M.R.I.	:	11820
7.	Special Investigations	:	2711

16.New Facilities added: A state of the art, Full Field Digital Mammography with Breast Tomosynthesis equipment was installed in the Department in November 2019.

RADIOTHERAPY

1. NAME OF THE HEAD OF THE DEPARTMENT: Dr. Arun Kumar Rathi

2. MEMBERS WHO HAVE LEFT DURING THE PERIOD:

S. No	Name of the Faculty	Designation	Reason for leaving the job
1.	Dr. Surender Saini	Assistant professor	Joined AIIMS, Delhi

3. ADDITION OF THE FACULTY DURING THE PERIOD:

S. No.	Name of the faculty	designation	Whether newly joined/promoted
1.	Dr. Faiz Akram Ansari	Assistant professor	Newly joined/ Diverted from B.R. Ambedkar Medical College
2.	Dr. Surender Saini	Assistant professor	Newly joined/ Diverted from B.R. Ambedkar Medical College

4. LIST OF FACULTIES:

S. No.	NAME OF THE FACULTY	DESIGNATION
1.	Dr. K. Singh	Medical Director(LNH), Director Professor
2.	Dr. A. K. Rathi	HOD and Director Professor
3.	Dr. Anurita Srivastava	Associate Professor
4.	Dr. Savita Arora	Associate Professor
5.	Dr. Archana Aggarwal	Assistant Professor
6.	Dr. Mohammad Azam	Assistant Professor
7.	Dr. Wineeta Melgandi	Assistant Professor
8.	Dr. Faiz Akram Ansari	Assistant Professor

5. RESEARCH SCHEME

a) Ongoing projects:

i) **Dr. Anurita Srivastava**

Longitudinal analysis with SCC antigen to predict treatment response in oesophageal cancer

ii) On going thesis:

1. **Dr. Deepshika Rai**: Comparison of cisplatin with paclitaxel and carboplatin as concurrent chemotherapy regime in treatment of carcinoma cervix
2. **Dr. Himanshi Kaushik**: Comparison of biodosimetry in head and neck cancer patients treated with concurrent chemoradiotherapy versus accelerated fractionation radiotherapy by dicentric chromosomal aberration
3. **Dr. Nitish Kumar**: Comparison of effect of early versus delayed surgery after neoadjuvant therapy in carcinoma esophagus
4. **Dr. Ankita Katoch**: To compare toxicity profile of mFOLFOX-6 with CAPOX, given as adjuvant chemotherapy in carcinoma rectum
5. **Dr. Lakshmi Raj**: Prognostic significance of p16 expression in oropharyngeal cancers
6. **Dr. Nayan Agarwal**: Biodosimetric comparison of head and neck squamous cell carcinoma patients undergoing concurrent chemoradiation with or without gefitinib by dicentric assay.
7. **Dr. Shashi**: Occurrence and prognostic significance of p16 in locally advanced carcinoma cervix patients
8. **Dr. Nity**: Systemic inflammatory markers in carcinoma cervix patients treated with chemoradiation
9. **Dr. Tejasi:** Systemic inflammatory markers in patients of carcinoma esophagus undergoing neoadjuvant treatment

10. **Dr. Srishti**: Occurrence and Clinico-Pathological correlation of founder mutations 185delag (brca1) and 6174delt (brca2) in patients of locally advanced breast cancer.

(b) Details of thesis completed during the year:

1. **Dr**. **Kavita Sehrawat**: Correlation of Systemic Inflammatory Markers with Response in Patients of Carcinoma Rectum Undergoing Neoadjuvant Chemoradiation
2. **Dr.Kumar Prabhat**: Biodosimetric evaluation in head and neck cancer patients receiving radiotherapy or concurrent chemoradiotherapy by dicentric chromosomal aberration assay
3. **Dr.Subhadra Choubey**: Comparison between the clinical outcomes of two hypo-fractionated palliative radiotherapy schedules in locally advanced inoperable head and neck cancers
4. **Dr. Varshu Goel**: Assessment of response, toxicity and quality of life of carcinoma cervix patients undergoing chemoradiotherapy and adjuvant chemotherapy with gemcitabine and cisplatin.

6. TRAINEES FROM OTHER AGENCIES: Nil.

7. TRAINING COURSE/CONFERENCES/WORKSHOPS ORGANIZED:

Conference organized:

1. International Symposium on Medical Imaging Physics and Image Guidance in Radiotherapy organized during December 16-19 .2019 at Maulana Azad Medical College New Delhi under the aegis of AMERICAN ASSOCIATION OF MEDICAL PHYSICISTS IN MEDICINE and ASSOCIATION OF MEDICAL PHYSICISTS OF INDIA.

8. PUBLICATIONS DURING THE PERIOD:

a. Roy S, Subramani V, Singh K, Rathi AK, Savita A, Aditi A.. Study of the effects of dwell time deviation constraints on inverse planning simulated annealing optimized plans of intracavitary brachytherapy of cancer cervix. J Cancer Res Ther. 2019 Oct-Dec;15(6):1370-1376.

b. Savita Arora, Neha Sharma, Arun Kumar Rathi, Kishore Singh, Kavita Sehrawat. Complete androgen insensitivity syndrome with intra-abdominal seminoma in a phenotypic female: A rare presentation. J Can Res Ther [Epub ahead of print] [cited 2020 Jan 28].

c. R. Kulshrestha, A.K. Rathi, S. Kapoor, K. Singh, S. Arora. Radiation induced chromosomal aberrations As Biological dosimeter to assess dose after in vivo Radiation Exposure of Head and neck cancer patients undergoing radiation Therapy: A quantitative Analysis. Published in International Journal of Radiation oncology in sept, 2019.

d. Mayank Aggarwal, Archana Aggarwal, Kishore Singh, Savita Arora, Arun Kumar Rathi. Pattern of clinical presentation and demographic profile of patients diagnosed with periampullary carcinoma in a tertiary care centre of north India. Indian Journal of Applied Research; April, 2019; 9 (4): 53-54.

e. Mayank Aggarwal, Archana Aggarwal, Kishore Singh, Savita Arora, Arun Kumar Rathi. Clinical and demographic presentation in patients diagnosed with pancreatic cancer at a tertiary care centre of north India. International Journal of Scientific Research Indian. April, 2019; 8 (4): 50-51.

f. Mayank Aggarwal, Archana Aggarwal, Savita Arora, Arun Kumar Rathi, Kishore Singh. Demographic and Clinicopathological profile of patients of gastrointestinal stromal tumor from a tertiary care center of north India: An observational study. J Can Res Ther [Ahead of print]; DOI: 10.4103/jcrt.JCRT_322_18.

g. Printed abstracts to AROICON 2019

1. N Adhikari, A Srivastava, D Raj Sonkar, K Singh. Dosimetric Comparison of geometric optimization(GO) versus Inverse Planning Simulated Annealing (IPSA) in patients of locally advanced carcinoma cervix treated with interstitial brachytherapy.
2. Deepak Raj Sonkar, Narayan Adhikari, Anurita Srivastava, Kishore Singh. Christie regimen in advanced head and neck cancer: boon or bane?

9. BOOKS/CHAPTERS CONTRIBUTED:

1. Name of Book: OBGY subspecialties book
   Chapter: Radiotherapy in Gynecologic Cancers
   Authors: Aditi Aggarwal, Arun Kumar Rathi, Savita Arora, Kishore Singh.

10. WORKSHOPS/CONFERENCES/SYMPOSIUM ATTENDED:

1. DR KISHORE SINGH.

CONFERENCE ATTENDED

1. RGCON 2019 'Thoracic Oncology' from 8 - 10 February, 2019 by RGCIRC and International Association for The Study of Lung Cancer.
2. Oncovision 2019, organised by Delhi NCR Oncologists Forum, Delhi on 23.02.2019.
3. ENDOLAP @ MAMC, ;LNH Oration"Sunday, 03 March 2019 at MAMC, New Delhi.
4. 41st AROICON 2019 at Ahmedabad, 28th November to 1st December 2019.

DELIVERED LECTURE AT

1. "Incidence and Mortality in Ovarian cancer" organized by department of Obstetrics and Gynecology, MAMC and Association of Gynecologic Oncologists of India at New Delhi on 23.03.2019.

CHAIRED SESSION / PANELIST AT:

1. RGCON 2019 'Thoracic Oncology' from 8 - 10 February, 2019 by RGCIRC and International Association for The Study of Lung Cancer; Chaired the session "Demystifying Management strategies in Early Stage Lung Cancer".
2. 5th Innovations in Oncology; held on 28th April 2019, New Delhi.
3. Sir Ganga Ram Hospital Update in Oncology -X-2019 "Controversies in Gynae Oncology" held on 4th & 5th May 2019.
4. 1st Mid Year Uro Oncology Update, New Delhi, 10 t0 11 August, 2019 New Delhi.
5. Annual conference of the NZ Association of Radiation Oncologists of India (NZ-AROI) conference, 21 - 22 september, 2019, Amritsar, Punjab.
6. 3rd Precision Oncology and Annual International Breast cancer conference at Pink City, Jaipur" from 11th-13th October 2019.
7. Oncology Forum Annual Meeting 2019, held on 7th & 8th Dec 2019 at New Delhi.

A. DR. A.K. RATHI

CONFERECES ATTENDED & CHAIRED:

1. RGCON 2019 'Thoracic Oncology' from 8 - 10 February, 2019 by RGCIRC and International Association for The Study of Lung Cancer; Chaired the session "Demystifying Management strategies in Early Stage Lung Cancer
2. Sir Ganga Ram Hospital Update in Oncology -X-2019 "Controversies in Gynae Oncology" held on 4th & 5th May 2019
3. Annual conference of the NZ Association of Radiation Oncologists of India (NZ-AROI) conference, 21 - 22 september, 2019, Amritsar, Punjab.
4. 3rd Precision Oncology and Annual International Breast cancer conference at Pink City, Jaipur" from 11th-13th October 2019.
5. Judge for best paper presentation at brachytherapy conference organised by Dharamshila hospital.

B. DR. ANURITA SRIVASTAVA

1. 23rd March 2019: Update on Ovarian Tumour, Role ; Chairperson.
2. 18-19th May 2019: "Workshop on Brachytherapy-Innovations and Solutions" underthe aegis of Indian Brachytherapy Society. Role: Mentor for Hands on workshop for Sarcoma Brachytherapy.
3. 17th aug 2019: Max Debates Role: Panelist for "Proton therapy will make other High end photon based RT techniques obsolete.
4. 6th Sept 2019: Delhi head and neck oncology group CME. Role: Panelist: T3 Ca Hypopharynx.
5. Actively participated in 3rd AROI-ESTRO GYN Teaching Course on "3D Radiotherapy with a Special Emphasis on Implementation of MRI / CT Based Brachytherapy in Cervical Cancer", March 2019.

C. MR. SAURABH ROY

1. Actively participated in 3rd AROI-ESTRO GYN Teaching Course on "3D Radiotherapy with a Special Emphasis on Implementation of MRI / CT Based Brachytherapy in Cervical Cancer", March 2019

D. DR. NARAYAN ADHIKARI

1. Brachytherapy workshop organised by Dharamshila hospital in May 2019.
2. Clinical case capsules in cancer (C4) organised by Max hospital, 1st prize in head and neck segment (Team MAMC led by Dr. Narayan).

3. AROICON 2019, Gujrat
- poster presentation
- 1st prize in quiz (Team leader)
4. Pancreas CME organised by Ganga Ram hospital

E. DR. DEEPAK RAJ SONKAR

1. Brachytherapy workshop organised by Dharamshila hospital in May 2019.
2. AROICON 2019, Gujrat
- poster presentation
- 1st prize in quiz.
3. Medical education CME organised by MAMC.

F. DR. VAIBHAV SHAKYA

1. ICRO proadvance, Pune, April 2019.

G. DR. SHRUTI AGARWAL

1. Brachytherapy workshop organised by Dharamshila hospital in May 2019.
2. ICRO proadvance, Chandigarh, September 2019.
3. Medical education CME organised by MAMC.
4. Annual meet of Oncology forum, December 2019

H. DR. CHINMAYEE AGARWAL

1. AROICON 2019, Gujrat -1st prize in quiz.

I. DR. KAVITA SEHRAWAT:

1. Presented an E-poster in AROICON 2019 titled "To determine the predictive significance of pretreatment levels of system inflammatory markers(SIM) for post neoadjuvant treatment(NAT) response in patients of carcinoma rectum"
2. Won 2nd prize in oncology forum quiz conducted by Dharamshila Narayana hospital in December 2019.
3. Attended Short term training in the Department of Radiation Oncology, AIIMS, New Delhi from 14th to 19th October 2019.
4. Presented an E-Poster and Best paper in NZ AROI 2019, Amritsar titled "To determine the predictive significance of pretreatment systemic inflammatory markers (SIM) for neoadjuvant treatment response in patients of carcinoma rectum"
5. Won 1st prize in case capsule on head and neck cancer conducted by MAX hospital in June 2019.
6. Won 1st Prize winner in a quiz competition during Brachytherapy Workshop under the theme "Innovations and Solutions" held on 18th – 19th May 2019 by Dharamshila Narayana Superspeciality Hospital, Kaushambhi, Delhi- NCR
7. Attended RGCON 2019 event, "Thoracic Oncology – Translating Research into Practice" held on 8th – 10th February 2019 at RGCI, New Delhi.

J. DR. KUMAR PRABHAT

1. Won 1st prize in best oral proffered paper category at NZ-AROICON Amritsar 2019
2. Presented E Poster at the 41st Annual Conference of AROI - AROICON 2019 themed "Inception, Evolution, Evidence & Future in Oncology" held from 28th November to 1st December 2019 at Ahmedabad, Gujarat.
3. Attended Short term training in the Department of Radiation Oncology, AIIMS, New Delhi from 21st to 26th October 2019.
4. Presented an E-Poster and won 1st prize in best oral proffered paper category at NZ-AROICON 2019 at Amritsar

K. DR. SUBHADRA CHOUBEY

1. Presented an E-poster at the 41st Annual Conference of AROI - AROICON 2019 themed "Inception, Evolution, Evidence & Future in Oncology" held from 28th November to 1st December 2019 at Ahmedabad, Gujarat.

2. Attended Short term training in the Department of Radiation Oncology, AIIMS, New Delhi from 21st to 26th October 2019.
3. Presented an E-Poster and Won 2nd prize for best paper presentation at the 25th North Zone AROICON themed "Changing Treatment Paradigms with High Tech Radiation" on 21st and 22nd September 2019 at Amritsar.
4. Attended the Brachytherapy Workshop under the theme "Innovations and Solutions" held on 18th – 19th May 2019 by Dharamshila Narayana Superspeciality Hospital, Kaushambhi, Delhi- NCR.
5. Attended RGCON 2019 event, "Thoracic Oncology – Translating Research into Practice" held on 8th – 10th February 2019 at RGCI, New Delhi

L. DR. VARSHU GOEL

2. Presented an E-poster at the 41st Annual Conference of AROI - AROICON 2019 themed "Inception, Evolution, Evidence & Future in Oncology" held from 28th November to 1st December 2019 at Ahmedabad, Gujarat.
3. Attended Short term training in the Department of Radiation Oncology, AIIMS, New Delhi from 14th to 19th October 2019.
4. Presented an E-Poster and Best paper at the 25th North Zone AROICON themed "Changing Treatment Paradigms with High Tech Radiation" on 21st and 22nd September 2019 at Amritsar.
5. Secured 2nd Prize in a quiz competition at the Brachytherapy Workshop under the theme "Innovations and Solutions" held on 18th – 19th May 2019 by Dharamshila Narayana Superspeciality Hospital, Kaushambhi, Delhi- NCR.
6. Attended RGCON 2019 event, "Thoracic Oncology – Translating Research into Practice" held on 8th – 10th February 2019 at RGCI, New Delhi.

11. TRAINING COURSE ATTENDED:

1. Radiobiology class by Dr. Manoj Gupta on 13/7/2019 at Amritsar attended by Dr. Nitish Kumar, Dr. Lakshmi Raj ,Dr. Himanshi Kaushik
2. ICRO 33 RD PG Teaching program 12/10/2019 and 13/10/2019 on Paediatric malignancies at Lucknow attended by Dr Ankita Katoch ,Dr Deepshika Rai.

12. VISITORS: Nil

13. SIGNIFICANT EVENTS (HONORS TO FACULTY):

Dr. K. Singh and **Dr. A.K. Rathi** felicitated with lifetime achievement awards by association of radiation oncologists of India (north zone).

14. FELLOWSHIP:

1. **Dr. Savita Arora**
   Fellowship in Brachytherapy in gynecologic cancer at Christie hospital, Manchester, United Kingdom by Association of Radiation Oncologist of India. (May/June 2019)
2. **Dr. Kumar Prabhat**
   Awarded Neil Joseph fellowship 2019 at AROICON Gujarat
3. **Dr. Kavita Shehrawat:**
   Awarded Neil Joseph fellowship in AROICON 2019.

15. REPRESENTATION ON EXPERT COMMITTEE/BODIES:

Dr. K. Singh

1. **Examiner**

i. S N Medical College, Agra.
ii. PGIMER, Chandigarh.
iii. Shri Ram Murti Smarak Medical College, Bareilly.

2. Assisted in the selection of Faculty at:

a. AIIMS, Vijayawada
b. ILBS, Delhi

3. **Representation on expert committee/ bodies**:
   Nominated by:

A. Independent Expert Committee for examination of reports of Serious Adverse Events (SAE's) of Death occurred during clinical trials at DCG (I), CDSCO (HQ), FDA, Ministry of Health and Family Welfare.
B. Chairman post graduate cell for discussion and approval of thesis protocol of PG students' batch 2019.
C. Expert member for Delhi Medical Council.
D. Member technical selection committee approval / rejection of globally tendered machinery and equipment at Dr. BRAIRCH, AIIMS, New Delhi.
E. Member selection committee for selection of Faculty at ILBS, Delhi.
F. Member technical selection committee machinery and equipment at ILBS, Delhi.

Dr. A. K. Rathi

1. Post graduate examiner at:
   Bikaner, Rajasthan.
   PGIMS, Rohtak, Haryana.
   AIIMS. Delhi.
   Dehradun, Uttakhand.
2. PhD examiner at Shri Mata Vaishno Devi University, Katra, J &K
3. Examiner at National Board of Examination (NBE).
4. Expert for faculty interview at Lady Hardinge Medical College, New Delhi.

Dr. Savita Arora:
Post Graduate Examiner at S N Medical College, Agra.

16. HEALTH SERVICES TO THE COMMUNITY: Nil.

17. LAB DATA: Nil.

18. NEW FACILITIES ADDED

CT Simulator installed in the department
Multispecialtytumor board started that includes Department of Pathology, Department of Radiodiagnosis and other clinical Departments concerned.
Musculosketal tumor board started in coordination with Department of Orthopedics.
Gastrointestinal tumor board in coordination with department of gastroenterology and gastrosurgery, GBPH.

19. ANY OTHER WORTH MENTIONING INFORMATION:

Dr. K. Singh
Appointed Medical Director L N Hospital, Delhi.
Elected as ***'Editor in Chief'*** of Journal of Cancer research and Therapeutics, official Journal of Association of Cancer Research and Therapeutics.
State Award for meritorious service by Department of Health and Family Welfare, GNCT.
Patron for International Symposium on Medical Imaging Physics and Image Guidance in Radiotherapy organized during December 16-19 .2019 at Maulana Azad Medical College New Delhi.

Dr. A. K. Rathi
Nominated as Executive editor of JCRT.
Chairperson in the International Symposium on Medical Imaging Physics and Image Guidance in Radiotherapy organized during December 16-19 .2019 at Maulana Azad Medical College New Delhi

SURGERY

1. **FACULTY**

S No	Name of the Faculty	Designation
1	**Dr. Pawanindra Lal**	Director Professor & Head
2	Dr. R K Jindal	Director Professor
3	Dr. Sudhir Kumar Jain	Director Professor
4	Dr. C B Singh	Professor
5	Dr. Pawan Lal	Professor
6	Dr. Rajdeep Singh	Professor
7	Dr. Sushanto Neogi	Professor
8	Dr. Anubhav Vindal	Professor
9	Dr. Deepak Ghuliani	Professor
10	Dr. Anurag Mishra	Associate Professor
11	Dr. Lovekesh Kumar	Associate Professor
12	Dr. Lovenish Kumar	Associate Professor
13	Dr. Tirlok Chand	Assistant Professor

2. MEMBERS WHO HAVE LEFT DURING THE PERIOD:

S No	Name of the Faculty	Designation	Reason
1	Dr. Lovekesh Kumar	Assistant Professor	Promoted to Associate
2	Dr. Lovenish Kumar	Assistant Professor	Promoted to Associate

ADDITIONS TO FACULTY /PROMOTION DURING THE PERIOD:

S No	Name of the Faculty	Designation	Reason
1	Dr. Lovekesh Kumar	Associate Professor	Promoted
2	Dr. Lovenish Kumar	Associate Professor	Promoted

4. RESEARCH SCHEME

(a) Ongoing Projects:

1. Multicentre observational study- "The Trauma Triage study in India(TTRIS)-A comparison of prediction model for triage in adult trauma patients presenting to hospitals**". [Prof. Rajdeep Singh(PI) & Asst. Prof. Anurag Mishra(CI)**
2. TAFT- Multicentric trial on Audit filters in Trauma'' **Prof. Rajdeep Singh(PI) & Asst. Prof. Anurag Mishra(CI)**
3. Training programme in gAs insufflation-less lapaRoscopic surGery for rural surgEons of NorTh-East India. (2019) TARGET STUDY; In association with Medical College, Kolkata; Karunya University; National Institute of Health Research and University of Leeds. **Dr Anurag Mishra, Dr Lovenish Bains**
4. Establishing core outcome sets for gastrointestinal recovery in studies of postoperative ileus and small bowel obstruction: Protocol with a nested methodological study: **Dr Anurag Mishra**
5. A prospective randomised double blind controlled study to evaluate the efficacy and safety of Venusmin 900 mg, a 100% pure and micronized Oral Diosmin in the cessation of bleeding and symptoms associated with haemorrhoids.: **Dr Rajdeep Singh, Dr Anurag Mishra**

(b)COMPLETED IN 2018

1. Gasless Laproscopy : RCT - **Dr Anurag Mishra (PI), Dr Lovenish Bains (CI)**
2. Exploring the need for a structured laparoscopic surgical training programme: The experiences of rural Indian doctors and surgeons. Anurag Mishra, Ellen Wilkinson
3. Process evaluation – TARGETstudy, Clinical Proctorship and Registry for Gas Insufflation Less Laparoscopic Surgery (GILLS): Noel Aruparayil, **Anurag Mishra**
4. The usability of a low-cost laparoscopic simulator (LapPack) in training medical students and junior surgical trainees in low- and middle-income countries (LMICs): **Riya Sawhney, Anurag Mishra**

5. A Prospective, Multi-Centric, Randomized, Double-Blind, Parallel, Phase-III Study to Assess Efficacy of PMZ-2010 as a Resuscitative Agent for Hypovolemic Shock to be Used as an Adjuvant to Standard Shock Treatment. : **Dr Anurag Mishra**

(c) Thesis completed in 2019

1. Kanhaiya KK. Comparison of effect of standard pressure with low pressure pneumoperitoneum in changes in coagulation profile in patients undergoing laparoscopic cholecystectomy. **(Dr RK Jindal)**
2. Balaji C. Comparison of interrupted-x technique closure versus conventional continuous closure of rectus sheath - a randomized control study. **(Dr SK Tudu)**
3. Raghavendra RT. A randomised control study comparison between flap fixation and conventional drain. **(Dr SK Tudu)**
4. Gautam S. Randomized control study between daycare laparosopic totally extra peritonial repair under general anaesthesia versus daycare lichtenstein repair under local anaesthesia for inguinal hernia. **(Dr Pawanindra Lal)**
5. Sundar S. Randomized control study between thick (number 1) versus thin (2-0) suture for abdominal fascia closure in patients with peritonitis. **(Dr Pawanindra Lal)**
6. Ansari FM. Comparison of outcome of Desarda versus Bassini repair in management of complicated inguinal hernia. **(Dr SK Jain)**
7. Panda V. Comparative study between trauma revised injury severity scoring and ICD based injury severity scoring in predicting the mortality of patients following blunt trauma abdomen. **(Dr CB Singh)**
8. Maranna H. Randomized controlled study between vacuum assisted closure therapy versus conventional saline dressings in diabetic foot ulcers. **(Dr Pawan Lal)**
9. Bhatia R. To evaluate the outcome of uretroscopic pneumatic lithotripsy in single lower ureteric calculus and its association with CT parameters. **(Dr Pawan Lal)**
10. Gupta V. Comparison of foam sclerotherapy with and without saphenofemoral junction ligation in primary varicose veins. **(Dr Rajdeep Singh)**
11. Shashi. Comparison between outcomes of lift assisted laparoscopic cholecystectomy and standard pneumoperitoneum cholecystectomy. **(Dr Rajdeep Singh)**
12. Udupi VR. Randomised controlled study of ultrasound guided aspiration of gall bladder versus antibiotics in acute calculous cholecystitis. **(Dr Sushanto Neogi)**
13. Sarda H. Randomised controlled study to compare laproscopically guided transversus abdominis plane block versus port site infiltration for post operative pain relief after laparoscopic cholecystectomy. **(Dr Anubhav Vindal)**
14. Kumar S. A Randomized control study between day care and conventional laparoscopic cholecystectomy. **(Dr Anubhav Vindal)**
15. Rajshekhar P. To evaluate the role of sequential organ failure assessment (SOFA) score in predicting prognosis of necrotising fascitis-a prospective study. **(Dr Deepak Ghuliani)**
16. Sharma S. A randomised controlled trial to evaluate the effect of fibrin glue sealant on seroma formation post modified radical mastectomy for Ca breast. **(Dr Deepak Ghuliani)**

5. TRAINEES FROM OTHER AGENCIES - Nil

Dr Lovenish Bains

2. Evidence based principles and practices for preventing surgical site infections. JCI Workshop. Hotel The Royal Plaza, New Delhi. 2nd Feb 2019
3. ICH Good Clinical Practice E6 (R2). e-learning course by Global Health Training Centre. 10th Feb 2019
4. 25th Training of Trainers (ToT) Course on Forensic Examination in Sexual Offence Cases. LNJN National Institute of Criminology and Forensic Science, Delhi. 8th-9th March 2019
5. Introduction to Informed Consent. e-learning course by Global Health Training Centre. 11th Aug 2019
6. The Research Question. Introduction to Informed Consent. e-learning course by Global Health Training Centre. 11th Aug 2019
7. MASHAAL, a leadership program on health system strengthening. Anandwan, Maharasthra. 14th -17th Aug 2019
8. Excellence in Peer Review- Training by Taylor & Francis Group and MAMC. 9th Sept 2019
9. "How to write a Scientific paper" Faculty Development Workshop. MAMC. 14th Nov 2019
10. The Role of Diagnostics in the Antimicrobial Resistance Response. Online course by London School of Hygiene & Tropical Medicine. 20th Dec 2019
11. WHO Open Course- Antimicrobial Stewardship: A competency-based approach. 30th Dec 2019

Dr Anurag Mishra

1. Completed Training on Good Clinical Practices in April 2019
2. Excellence in Peer Review- Training by Taylor & Francis Group and MAMC. 9th Sept 2019
3. "How to write a Scientific paper" Faculty Development Workshop. MAMC. 14th Nov 2019
4. Organised MASHAAL 2.0, workshop for leadership for healthcare professionals at Anandwan, Maharashtra from 14- 18th August 2019

6. CONFERENCE ORGANIZED:

ENDOLAP MAMC, 4th International Conference of Delhi State Chapter of SELSI, 1st – 3rd March 2019

Organizing Chairman - **Dir. Prof. Pawanindra Lal** (HOD, Surgery, MAMC)
Organizing Secretary: **Dr Anubhav Vindal, Dr Rajdeep Singh**

Surgery Update 2019

Organizing Chairman - **Dir. Prof. Pawanindra Lal** (HOD, Surgery, MAMC)
Organizing Secretary: **Dr Rajdeep Singh**
Jt Organisnig Sec: **Dr Anurag Mishra, Dr Lovenish Bains**

Dr Anurag Mishra organised MASHAAL 2.0, workshop for leadership for healthcare professionals at Anandwan, Maharashtra from 14- 18th August 2019

7. PUBLICATIONS

1. Kazim Z, Wahabi K, Perwez A, **Lal P**, Rizvi MA. PTEN Genetic and Epigenetic Alterations Define Distinct Subgroups in North Indian Breast Cancer Patients. Asian Pacific journal of cancer prevention: APJCP. 2019;20(1):269.
2. Gupta L, Bhatt AS, Mallya V, Khurana N, **Lal P**. Adrenal medullary hyperplasia with coexistent cerebral angiomas. Indian Journal of Pathology and Microbiology. 2018 Oct 1;61(4):587.
3. Padu G, **Lal P, Vindal A.** Comparison of Modified Atlanta Classification With Modified CT Severity Index in Acute Gallstone Pancreatitis. MAMC J Med Sci 2019;5:63-8
4. Establishing core outcome sets for gastrointestinal recovery in studies of postoperative ileus and small bowel obstruction: protocol for a nested methodological study*** and on behalf of the Tripartite Gastrointestinal Recovery Group.SJ Chapman, **Anurag Mishra** et al. Colorectal Diseases, Nov 2019
5. **Bains L, Lal P**, **Vindal A**, Singh M.Giant villous adenoma of rectum- what is the malignant potential and what is the optimal treatment? A case and review of literature.**World J Surg Oncol.** 2019 Jun 25;17(1):109. doi: 10.1186/s12957-019-1650-4.
6. Chandhirasekar B, **Neogi S,** Vats M, Pandey Vk.Gigantic kidney tumour presenting with weight gain. I**nt Surg J. 2019 Nov;6(11):4181-4183**
7. Agarwal M, Vats M**, Neogi S,** Singhal PM, Mandal S. Pseudopapillary Tumour of the Pancreas in an Adult Female. International Journal of Anatomy, Radiology and Surgery. 2019; Apr, Vol-8(2): SC01-SC03
8. Singhal PM, Vats M**, Neogi S,** et al. Asymptomatic gossypiboma with complete intramural migration and ileoileal fistula.BMJ Case Rep 2019;12:e228587. doi:10.1136/bcr-2018- 228587
9. Balaji C, **Neogi S,** Ramasamy S,Vats M. Comparison of interrupted-X technique closure versus coventiuonal continous closure of rectus sheath- a randomized controlled study .Int Surg J.2019;6:
10. Chandhirasekar B, **Neogi S**. Right iliac fossa lump: a diagnostic surprise. Int Surg J 2019;6:3006-8.
11. Udupi VR, **Neogi S,** Garg A. Comparison of the role of ultrasound guided transhepatic aspiration of gallbladder versus conservative management of acute calculous cholecystitis. Int Surg J 2020;7:189-93.
12. ROLE OF FLAP FI XATION DURING MODIFIED RADICAL MASTECTOMY IN LOCALLY ADVANCED BREAST CARCINOMA PATIENTS- A RANDOMISED CONTROL STUDY R.T. Raghavendra, **Neogi S,** KanhaiyaK K , Udupi VR , Lohith P. accepted article 2019
13. International Surgery Journal Maranna H et al. Int Surg J. 2019 Oct;6 (http://www.ijsurgery.com A large ureteric calculus: is there a role for open surgery in the modern era? Haraesh Maranna*, Tariq Hameed, **Pawan Lal,** Case Report.
14. Kori R, **Bains L, Lal P**, Gupta S. Zinner syndrome mimicking bladder outlet obstruction managed with aspiration. Urol Ann. 2019 Oct-Dec;11(4):449-452. doi: 10.4103/UA.UA_152_18. PubMed PMID: 31649472; PubMed Central PMCID: PMC6798291
15. **Bains L, Lal P, Chand T**, Gautam KK, Beg MY, Kumar P. Isolated primary cold abscess of the sternum: a case report. J Med Case Rep. 2019 Aug 25;13(1):267. doi: 10.1186/s13256-019-2210-9. PubMed PMID: 31445516; PubMed Central PMCID: PMC6708553.

16. **Lal P, Bains L**, Sawant G, Saini R, Mandal S. Giant filarial retroperitoneal cyst: a diagnostic dilemma. Trop Med Health. 2019 Jun 13;47:37. doi: 10.1186/s41182-019-0164-7. eCollection 2019. PubMed PMID: 31223269; PubMed Central PMCID: PMC6567645.
17. **Bains Lovenish, Lal Pawan, Mishra Anurag**, Gupta Amit, Gautam Kamal Kishore, Kaur Daljit. Abdominal Compartment Syndrome: A Comprehensive Pathophysiological Review. MAMC J Med Sci. 2019;5:47-56.
18. Kori R, **Bains L**, **Jain SK.** Intravesical gossypiboma: our experience and the need for stringent checklist and training! BMJ Case Rep. 2019 Feb 1;12(2). pii: e227278. doi: 10.1136/bcr-2018-227278.
19. **Bains L,** Gupta A, Kori R, Kumar V, Kaur D. Transanal high pressure barotrauma causing colorectal injuries: a case series. J Med Case Rep. 2019 May 7;13(1):133. doi: 10.1186/s13256-019-2067-y.
20. Agarwal R, Sinha D, Tomar R, Mandal S, **Bains L**, Jain S. Primary malignant peripheral nerve sheath tumor of the breast. Breast J. 2019;25:742–745. doi: 10.1111/tbj.13315.
21. **Bains L**, Kori R, Sharma R, Kaur D. Replaced right hepatic artery pseudoaneurysm managed with coil embolisation. BMJ Case Rep. 2019 Sep 4;12(9). pii: e227921. doi: 10.1136/bcr-2018-227921.
22. **Dr lovenish Bains** featured in "Checklist to cut chances of errors during surgery" Times of India. New Delhi Edition. Sep 18, 2019. https://timesofindia.indiatimes.com/city/delhi/checklist-to-cut-chances-of-errors-during-surgery/articleshow/71175862.cms
23. Bhatia R, Hameed T, Lal P, **Bains L**, Sawant G, Maranna H. (2019) Evaluation of Outcome of Ureteroscopic Pneumatic Lithotripsy in Single Lower Ureteric Calculus and Its Association with CT Parameters. Open Journal of Urology, 9, 153-161. doi: 10.4236/oju.2019.910018.
24. **Bains L**, Bhatia S, Kaushik R, **Jain SK, Singh CB,** Mandal S, Kaur D. Pre-sternal thyroid swellings: a case of rare aberrant site recurrence and review of literature. Thyroid Res. 2019 Nov 21;12:12. doi: 10.1186/s13044-019-0073-1. eCollection 2019.
25. **Dr Deepak Ghulian**i: A.Perforated isolated jejunal diverticulum: a rare cause of acute abdomen in International Surgery journal
26. **Anurag Mishra**: A collaborative approach to re-design of a lift device for Gas Insufflation-Less Laparoscopic Surgery (GILLS) in Low and Middle-Income Countries (LMICS). Conference: GASOC Annual Conference 2019, Global Anaesthesia, Surgery and Obstetric Collaboration, Leeds, United Kingdom. Sep 2019
27. Evaluating the usability of a low-cost laparoscopic simulator for training medical students and surgical trainees in low and middle income countries. M Chauhan, N Aruparayil, R Sawhney, C Franco Da Silva, W Bolton, J Burke, **A Mishra**, D Jayne, P Valdastri , GASOC Annual Conference, 14th September 2019, Leeds.

8. **PUBLICATIONS OF BOOKS / CHAPTERS IN BOOKS**

1. **Vindal A**, Pathak P. Prosthesis and Fixation Devices for Hernia. In Proceedings of Surgery Update 2019, New Delhi, MAMC, 2019, pp. 262 – 271
2. **Dr Lovenish Bains**: Contributed a chapter "Laparoscopic Access" in National Continuing Medical Education Programme in Surgery- Surgery Update 2019 Proceedings
3. **Dr Deepak Ghuliani:** Chapter on Metastatic breast cancer in proceedings of Surgery update 2019
4. **Dr Anurag Mishra:** Chapter titled "Haemorrhoids: Treatment of choice" in proceedings of Surgery Update 2018, published by department of surgery, MAMC
5. **Dr Lovekesh Kumar** Chapter titled '' Surgical Instruments" in proceedings of Surgery Update 2019, published by department of surgery, MAMC.
6. **Dr Trilok Chand:** Chapter titled '' Diaphragmatic Hernia" in proceedings of Surgery Update 2019, published by department of surgery, MAMC.

9. **CONFERENCES/ WORKSHOPS/ SYMPOSIUMS**:

Dr Pawanindra Lal

1. Invited Faculty –How to Do Safe Cholecystectomy – GI SURGICON – Hotel Crown Plaza, 19thJanuary 2019.
2. Invited Faculty – AWRCON Thiruvananthapuram, 10-11 May 2019
3. Invited Faculty – ASSIST TOT COURSE – GMC Nagpur – 5-6 July 2019.
4. Invited Faculty – ASSIST TOT COURSE – VAPI, Gujarat – 13-14 July 2019.
5. Invited Faculty – Moderator for Live Surgery, Celioscope, Taj Vivanta, Coimbatore, 19-20 July 2019
6. Invited Faculty – Safe Cholecystectomy – HPB Plenary Session – 22nd Asian Congess of Surgery, Shangri La Kula Lumpur, 2-4 Aug 2019.
7. Invited Faculty – open vs Lap vs Robotic Inguinal Hernia Repair– - IHSCON 2019, MLN Medical College, Allahabad – 27-28 July 2019.

8. Invited Faculty –Laparoscopic Anterior Resection & Prevention of Hernia – OSALSICON 2019 – Tata Steel Medica Hospital, Kalinga Nagar, Orissa – 10-11 Aug 2019.
9. Invited Faculty –Operating Faculty – Lap Rectopexy – OSALSICON 2019 – Tata Steel Medica Hospital, Kalinga Nagar, Orissa – 10-11 Aug 2019.
10. Invited Faculty – Nissen Fundoplication – Are we overdoing it? Sri Lanka Surgical Congress 2019, Galle – 22-24 Aug 2019.
11. Invited Faculty – Improving Surgical Training Needs a Paradigm Shift – APASICON, Vijaywada, 24th August 2019.
12. Invited Faculty – Panelist on Robotic surgery – CRSA Meeting, Le Meridien, New Delhi – 25thAugust 2019..
13. Invited Faculty – Emergency Hernia Surgery – Panel discussion – Moderator – HSICON, J W Mariott, 30th August 2019.
14. Invited Faculty – Safe Cholecystectomy – RAMAS – Dausa –Rajasthan 7-8 September 2019.
15. Invited Faculty – CBD Exploration – Live Surgery – RAMAS – Dausa –Rajasthan 7-8 September 2019.
16. Invited Faculty – Complications of Port Access – Moderator of Panel Discussion, SELSICON Annual Conference, IHC – 13 September 2019.
17. Invited Faculty – Improving Surgical Training – Use of Simulation - SURGERY UPDATE MAMC 2019 – 28th September 2019
18. Invited Faculty – Case Discussion Oral Cancer- SURGERY UPDATE MAMC 2019 –27th September 2019
19. Invited Faculty – Operating Faculty Hiatus Hernia – Laparoscopy Unlimited – Zen Hospital, Mumbai – 29 - 30 Sept 2019.
20. Invited Faculty – Faculty for Bowel Anatomosis Workshop – IASGCON 2019, AIIMS New Delhi – 10 October 2019.
21. Invited Faculty - ASSIST TOT COURSE – RMLH, Delhi – 12-13 October 2019.
22. Invited Faculty - Panel Discussant – RYGB Complications – AIIMS BARICON 2019 15th Nov 2019.
23. Invited Faculty - Panel Discussant –Revision Surgery for Complications – AIIMS BARICON 2019 15th Nov 2019.
24. Invited Faculty - Lap access related complication. North Zone ASICON 2019, PGI Chandigarh17 November 2019.
25. Invited Faculty - Panel Discussion Moderator - Acute Abdomen. Surgicon 22-23 Nov 2019, Manekshaw Auditorium, DDUH.
26. Invited Faculty - Operating Faculty IPOM – AWR Briatric - IGMC Shimla – 30 Nov-1 Dec 2019.
27. Invited Faculty – ASSIST TOT COURSE – PGIMER SSKM Kolkata – 13-14 Dec 2019.
28. Invited Faculty - Panel Discussion Moderator – Acute Colonic Obstruction – ASICON 2019, 20th December 2019, Bhubaneshwar.
29. Invited Faculty - Case Discussion – Upper Abdominal Mass– ASICON 2019, 20th December 2019, Bhubaneshwar.

Dr Pawan Lal

Invited faculty for Surgery Update 2019 held in Maulana Azad medical College, New Delhi from 23rd – 28th, September 2019, chaired a session on Urologic procedures. and presented a talk on "Peri-anal Fistulas"
Attended Asicon 2019, from 8th - 21st December 2019, held in Bhubaneshwar, Odisha.

Dr Anubhav Vindal

1. Chaired session on Competition papers at OSSICON 2019, 17th Annual Conference of Obesity & Metabolic Surgery Society of India, 23rd - 26th January 2019, Kolkata.
2. Chaired and Moderated session on Obstructive Jaundice at LHMC Surgery Update 2019, Lady Hardinge Medical College, 1st - 3rd February 2019, New Delhi.
3. Chaired session in Live Operative Workshop at BARIME-2019, February 22nd - 23rd, 2019, AIIMS, New Delhi.
4. Course Coordinator, Hands on Suturing Workshop at ACSICON, 18-21st April, 2019, New Delhi.
5. Guest Lecture on: Retained CBD Calculi at Mid Term CME of Indian chapter of International Hepato Pancreato Biliary Association, May 10th - 11th 2019, AIIMS Rishikesh.
6. Chaired Scientific Session at FIAGES Course, July 12th - 14th 2019 at Sir Gangaram Hospital, New Delhi.
7. Guest Lecture on: Hybrid repair for Ventral and Incisional Hernia at National Conference of Indian Hernia Society IHSCON 2019, 27th - 28th July 2019, MLN Medical College, Allahabad.

8. Guest Lecture on: Hybrid repair for Incisional Hernia at OSALSICON 2019, 10th - 11th August 2019, TATA Steel Medica Hospital, Kalinganagar, Odisha.
9. Lecture on: Prosthesis and Fixation Devices for Hernia at Surgery Update 2019 – XXXVI National CME Programme in Surgery, September 2019, Deptt of Surgery, MAMC, New Delhi.
10. Chaired session in Surgery Update 2019 – XXXVI National CME Programme in Surgery, September 2019, Deptt of Surgery, MAMC, New Delhi.
11. Chaired Live Operative Session in SELSICON 2019, National Conference of SELSI, September 2019, New Delhi.
12. Guest Lecture on: Hybrid repair for Incisional Hernia at SELSICON 2019, National Conference of SELSI, September 2019, New Delhi.
13. Jury for Poster Session at SELSICON 2019, National Conference of SELSI, September 2019, New Delhi.
14. Chaired Live Operative Session in BARICON 2019, 13th – 16th November 2019, AIIMS, New Delhi.
15. Chaired session on Complex Abdominal Wall Hernias at SURGICON 2019, November 2019, New Delhi.

Dr Deepak Ghuliani

1. Faculty at Surgilapcon 2019 held at Lucknow
2. Quiz Master for MAMC Surgery Quiz in September 2019.

Dr Anurag Mishra

1. TEDx DITE in January 2019
2. Surgery Update 2019
3. ENDOLAP 2019, 4th Biennial International Conference. Maulana Azad Medical College, New Delhi. 1st -3rd March 2019
4. Endoscopic Sleeve Gastroplasty- Live Operative Workshop. Sir Ganga Ram Hospital, New Delhi. 7th August 2019
5. Clinical Robotic Surgery Association- Indian Chapter. Inaugural Meeting, Hotel Le Meridien, New Delhi. 24th -25th Aug 2019
6. SELSICON 2019. 12th National Conference of Society of Endoscopic & Laparoscopic Surgeons of India, Indian Habitat Centre, New Delhi. 13th -15th Sept 2019
7. ARSICON 2019, 8th International Conference of International Federation of Rural Surgery (IFRS) and 27th Annual Conference of Association of Rural Surgeons of India. BVV Sangha's S. Nijalingappa Medical College and Hanagal Shri Kumareshwar Hospital and Research Centre, Bagalkot, Karnataka. 21st – 24th Nov 2019
8. Annual Meeting of TITCO research consortium at St John's Medical College, Bengaluru from 16-18th Nov 2019
9. LHMC PG CLINICAL UPDATE 2019 from 31ST JAN- 03 FEB 2019.
10. Scope Course as Faculty 7-10th February and 22-25th August
11. GLLS Training at Medical College, Kolkata from 11-14 March 2019
12. TOT for Lifebox (SAFE OR) at AIIMS Patna 15th March 2019
13. Lifebox (SAFE OR) at AIIMS Patna as Trainer 16-17th March 2019
14. MAMC Dialogues 2019
15. AMASI Skill Course7th September 2019 at Artemis Hospital 2019 as Faculty
16. PMJAY anniversary celebration as invited guest
17. Organising Chairman of EAMSC (East Asian Medical Students Association 2020)
18. GURUKKUL ACSCON 2020 as Faculty

Dr.Lovenish Bains

1. Evidence based principles and practices for preventing surgical site infections. JCI Workshop. Hotel The Royal Plaza, New Delhi. 2nd Feb 2019
2. RGCON 2019. Thoracic Oncology. RGCIRC, New Delhi. 8th -10th Feb 2019
3. ENDOLAP 2019, 4th Biennial International Conference. Maulana Azad Medical College, New Delhi. 1st -3rd March 2019
4. ENDOSURG 2019, International Minimal Access Surgery Conference, CME cum Live Workshop, AIIMS, New Delhi. 29th -31st March 2019
5. Mid Term CME of Indian Chapter of IHPBA at AIIMS, Rishikesh. 10th-11th May 2019.
6. Endoscopic Sleeve Gastroplasty- Live Operative Workshop. Sir Ganga Ram Hospital, New Delhi. 7th August 2019

7. Clinical Robotic Surgery Association- Indian Chapter. Inaugural Meeting, Hotel Le Meridien, New Delhi. 24th -25th Aug 2019
8. SELSICON 2019. 12th National Conference of Society of Endoscopic & Laparoscopic Surgeons of India, Indian Habitat Centre, New Delhi. 13th -15th Sept 2019
9. ICS-ISCON 2019. 65th Annual Conference of the International College of Surgeons Indian Section, Mysuru, Karnataka. 11th – 13th Oct 2019
10. AIIMS BARICON – 2nd International Conference on Bariatric and Metabolic Surgery. AIIMS New Delhi. 13th - 16th Nov 2019
11. ARSICON 2019, 8th International Conference of International Federation of Rural Surgery (IFRS) and 27th Annual Conference of Association of Rural Surgeons of India. BVV Sangha's S. Nijalingappa Medical College and Hanagal Shri Kumareshwar Hospital and Research Centre, Bagalkot, Karnataka. 21st – 24th Nov 2019
12. WARNING in Surgery- International Webinar by Global Alliance for Infections in Surgery. 11th Dec 2019
13. Trainer for NIHR Global Research Group in Surgical Technologies Training Programme in Gas Insufflation-less Laparoscopic Surgery for Rural Surgeons of North East India. Kolkata Medical College. 12th-14th March 2019.
14. Critical Care Medicine Update 2019. Janakpuri Super Speciality Hospital, New Delhi. Delivered talk on "Sepsis Update" and "Abdominal Compartment Syndrome". 27th Mar 2019
15. Mid Term CME of Indian Chapter of IHPBA at AIIMS, Rishikesh. 10th-11th May 2019.
16. Trainer for NIHR Global Research Group in Surgical Technologies Training Programme in Gas Insufflation-less Laparoscopic Surgery for Rural Surgeons of North East India. Medziphema, Nagaland and Tukrajhar, Assam. 20th-24th May 2019.
17. Instructor for "Advance Trauma Management Course" at Regional Hospital, Keylong, Lahaul & Spiti District, Himachal Pradesh. 12th-14th June 2019. (in association with PRAGYA)
18. SELSICON 2019. 12th National Conference of Society of Endoscopic & Laparoscopic Surgeons of India, Indian Habitat Centre, New Delhi. 13th -15th Sept 2019
19. Surgery Update 2019, 23th–28th Sept 2019. MAMC, New Delhi. Lecture on 'Laparoscopic Access Techniques'
20. Preservation Techniques of Human Body. Department of Anatomy, MAMC, New Delhi. 20th-21st Dec 2019.

Dr Lovekesh Kumar

Attended ASICON 2019 at Visakhapatnam.

10. PRESENTATIONS IN CONFERENCES:

Dr C B Singh

1. Delivered lecture on Thyroid cancerin Surgery Update 2019
2. Delivered lecture on Management of Thyroid Cancer in Deptt. of Surgery ESI-PGIMSR Basaidarapur, NEW DELHIMIDTERMCME "THYROIDDISEASES: FROM CRUXTO CONSENSUS" on 9th November,2019

Dr Pawan Lal

Invited faculty for Surgery Update 2019 held in Maulana Azad medical College, New Delhi from 23rd – 28th, September 2019, presented a talk on "Peri-anal Fistulas"

Dr Anubhav Vindal

1. Transversus abdominis plane block versus port site infiltration for post-operative analgesia after laparoscopic cholecystectomy – A prospective randomized triple blinded study. SAGES Annual Meeting 2019, Society of American Gastrointestinal and Endoscopic Surgeons, Baltimore, Maryland, USA, April 3rd - 6th, 2019.
2. Safety and feasibility of day care laparoscopic cholecystectomy in a tertiary care university hospital – A randomized controlled study. SAGES Annual Meeting 2019, Society of American Gastrointestinal and Endoscopic Surgeons, Baltimore, Maryland, USA, April 3rd - 6th, 2019.

Dr Deepak Ghuliani

Conducted MAMC SURGIQUIZ a post graduate surgery quiz 2019 at Surgery update 2019

Dr Anurag Mishra

1. Lecture : Haemorrhoids: the choice of treatment at Surgery Update 2019 held in MAMC New Delhi, India

2. Oral presentation: Evaluating the usability of a low-cost laparoscopic simulator for training medical students and surgical trainees in low and middle income countries. M Chauhan, N Aruparayil, R Sawhney, C Franco Da Silva, W Bolton, J Burke, A Mishra, D Jayne, P Valdastri , GASOC Annual Conference, 14th September 2019, Leeds
3. Poster: Collaborative approach to re-design of a lift device for gas insufflation less laparoscopic surgery (GILLS) in low and middle income countries (LMICs). M Mariott Webb, P Bridges, N Aruparayil, L Bains, A Mishra, A Quyn, R Hall, P Culmer. GASOC Annual Conference, 14th September 2019, Leeds

11. **SIGNIFICANT EVENTS (HONOURS TO FACULTY):**

Dr Pawanindra Lal
Dr A Ranganathan Oration APASI 2019
Best Performance EC Member ASI 2019
Delhi State Health Award 2919

Dr Anubhav Vindal
Delivered Dr T P Banerjee Symposium at UPASICON, November 2019, LLR Medical College, Meerut.

Dr Lovenish Bains
1. Third prize- Poster at GASOC Annual Conference 2019, Global Anaesthesia, Surgery and Obstetric Collaboration, Carriageworks Theatre, Leeds, United Kingdom. 14th Sept 2019 (Co-author)
2. Third prize - Poster presentation at ASICON 2019, Bhubaneswar, Odisha. 18th -21st Dec 2019. (Co-author)
3. Second prize – Paper (Category: Best Research Paper Presentation) at ASICON 2019, Bhubaneswar, Odisha. 18th -21st Dec 2019: (Co-author)
4. Second prize - Poster (Category: Competitive- Session 6) at ASICON 2019, Bhubaneswar, Odisha. 18th -21st Dec 2019. : (Co-author)

12. **FELLOWSHIP:**
1. **Dr Anubhav Vindal**Awarded FRCS (Glasgow) **–** Fellowship of the Royal College of Physicians and Surgeons of Glasgow, UK (ad eundum – without examination category).
2. **Dr Anubhav Vindal** Awarded FRCS (Edinburgh) – Fellowship of the Royal College of Surgeons of Edinburgh, UK (ad eundum – without examination category).
3. **Dr Lovenish Bains** awarded Fellow of International College of Surgeons Indian Section (FICS) conferred at Mysuru, Karnataka on 12th Oct 2019

REPRESENTATION ON EXPERT COMMITTEE/BODIES:

Dr Pawanindra Lal
1. Chairman Surgical Sectional Committee Bureau of Indian Standards 2019-2021
2. EC Member ASI 2019-2021
3. President Elect ASI Delhi Chapter 2019
4. President Elect Indian Hernia Society 2019
5. National Coordinator ASSIST Courses (ASI) 2019-2020

Dr C B Singh
1. Participated on Live program under AYUSHMAN BHAV on Rajya Sabha TV in July 2019 and October 2019
2. On panel as resource person for Delhi Subordinate Services Selection Board
3. On Expert panel for standard development for surgical instruments in Manak Bhawan , New Delhi

Dr Pawan Lal
Examiner to 3rd MBBS Surgery in AIIMS Bhubhaneshwar from 3rd to 7th December 2019.

Dr Sushanto Neogi
1. Internal examiner for Postgraduate Examination in April 2019 for Delhi University.
2. Internal Examiner for Undergraduate examination in December 2019 for Delhi University

Dr Anubhav Vindal

1. Guided thesis for MS (Surgery) as Supervisor for University of Delhi
2. Guided thesis for MS (Surgery) as Co – Supervisor for University of Delhi
3. Guided thesis for MD (Pathology) as Co – Supervisor for University of Delhi
4. Examiner for Professional Exam for final MBBS 2018– University of Delhi.
5. Non Examiner Coordinator for Fellowship of National Board of Examinations (Minimal Access Surgery) – National Board of Examinations, New Delhi.
6. Examiner for Diplomate of National Board of Examinations (General Surgery) – National Board of Examinations, New Delhi.
7. Expert in Surgery – National Board of Examinations, New Delhi.
8. Reviewer for thesis for MS (Surgery) – All India Institute of Medical Sciences, New Delhi
9. Reviewer for thesis for Diplomate of National Board of Examinations (General Surgery) – National Board of Examinations, New Delhi.
10. Expert in Surgery – All India Institute of Medical Sciences, New Delhi
11. Examiner and tutor for MRCS – The Royal College of Surgeons of Edinburgh, UK
12. Expert in Surgery – Bureau for Indian Standards, New Delhi

Dr Deepak Ghuliani

External examiner for M.S Surgery exam of Gujarat university at BJ Medical College, Ahmedabad

Dr Anurag Mishra

1. Invited by GHRH, University of Leeds, UK for series of meetings to explore collaborations between MAMC and University of Leeds
2. Received India Volunteer Award for my Voluntary work from IVN on 10th January 2019
3. Member of General Surgery STW expert group under GOI, Ayushman Bharat Scheme
4. Member of Hospital Equipment and Surgical Disposable Products Sectional Committee, MHD 12, Bureau of Standards of India.
5. Executive Member American College of Surgeons, India Chapter
6. Founder GURUKOOL MAMC
7. Trainer for Gasless Laproscopy Course
8. Instructor for ATLS
9. Examiner for MBBS and BDS in University of Delhi
10. Section Editor (how I do it), Maulana Azad Medical College Journal of Medical Sciences
11. Member of editor board of New Indian Journal of Surgery (NIJS)
12. Member of editorial board of MD Current India
13. Member editorial board for Journal of Association of Rural Surgeons of India
14. Member of editorial board of International Journal of Sciences and Apllied Research
15. Joint Sec, MAMC CHS Teachers Association
16. External examiner for MBBS Surgery exam of SGT University at Gurgaon

Dr Lovenish Bains

1. Convener- Surgical Safety Checklist Committee, Lok Nayak Hospital & MAMC
2. Guest Reviewer:World Journal of Surgical Oncology, Biomed Central
3. Guest Reviewer:Journal of Medical Case Reports, BioMed Central, Part of Springer Nature
4. Guest Reviewer:Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine; Biomed Central (Springer Link)
5. Guest Reviewer:Case Reports in Obstetrics and Gynecology (Hindawi)
6. **Faculty for:**Acute Critical Care Course, MAMC Surgical Skills & Life Support Course, MAMC Post Graduate Cadaver Laparoscopic Training, MAMC Post Graduate Surgical Skills Training

14 **HEALTH SERVICES TO THE COMMUNITY:**

Dr Anurag Mishra

1. Founder of Gurukool, working towards encouraging humanitarian values amongst students.
2. Participated in health camps in Uttarakhand and Rewari district under DOCS (Doctors on Community Service) program of GURUKOOL

3. Established GURUKOOL in MAMC to encourage humanitarian values in curriculum
4. Surgical Camp at SEARCH, Gadhchiroli in Jan 2019

Dr Lovenish Bains
participated in Free Gasless Laparoscopy Surgery Camp at CHC, Medziphema, Nagaland. 20-22 May, 2019

15. CLINICAL WORK:

Elective general surgery operations performed

Total	3165
Laparoscopic	813
Major Elective open	2065
Minor Elective	1100

Endourological operations

Major	220
Minor	1441

Uro Lab

ESWL	420
Uroflowmetry	1781

Procedures done in

Minor OT	8464
Emergency OT	1242
Total Admissions	9489

OPD Cases

New	11328
Follow up	14704
OPD Minor	13619

B. DEPARTMENT OF G.B. PANT INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (GIPMER)

ANAESTHESIOLOGY & INTENSIVE CARE
(GIPMER)

1.	Research Scheme
(a)	Ongoing project
(b)	Details of thesis completed during current year **Dr Pragati Ganjoo** Co-guide for thesis of Mch Neurosurgery candidates.

2.	Publications during the period: **Dr Pragati Ganjoo** Malik I, Ganjoo P. Perioperative significance and management of electrocardiographic abnormalities in patients undergoing cerebral aneurysm surgeries (Review article). Neurol India 2019; 67: 427-32.
3.	Books/Chapters/Contributed: **Dr Monica S Tandon** 1. Monica S Tandon, K.Doley, D.Singh. Supratentorial tumors. In Prabhakar H (ed) Essentials of Geriatric Neuroanesthesia. 1 st edition; Taylor and Francis, CRC Press, P 43-82 2. Monica S Tandon, Aastha Goswami. Pregnancy and neuroanesthesia. In Prabhakar H (ed) Textbook of Neuroanesthesia and Neurocritical Care. Volume1. Ist edition Springer Inc 2019 p. 265 -290 3. Monica S Tandon, Megha U.Sharma .Cerebral Hyperperfusion Syndrome " in Prabhakar H (ed) Essentials of Neurointensive care: 1st edition Oxford University Press, pg 714-722
4.	Conferences/Workshops/Symposiums attended: **DrPragati Ganjoo** 1. Chairperson for session on 'Paediatric neuroanaesthesia' at 20th Annual Conference of the Indian Society of Neuroanaesthesiology and Critical Care (ISNACC 2019), organized by Gurugram Neuroanaesthesiology Group at Gurugram from 15th – 17th February 2019. 2. Chairperson for session on 'Emerging challenges in Paediatric Anaesthesia' and Judge for the session on 'Oral Paper Presentation' at the 11th Annual Conference of the Indian Association of Paediatric Anaesthesiologists (IAPA 2019), at AIIMS, New Delhi, on 8th- 10th February 2019. 3. Talk on 'General Principles of Neuroanaesthesia and Updates' at MAMC Anaesthesia Update 2019, held at MAMC, New Delhi, on 31st August 2019. 4. Judge for e- posters in award category and contributor to the poster presented on 'Perioperative management of a patient with anticoagulant-induced intracranial haemorrhage' by Dr Jyotika, at Neuroanaesthesia Neurocritical Care Update Ocdtober 2019. 5. Faculty for PBLD on 'Neurocritical care management of a patient with pituitary/ suprasellar SOL', held at Medanta, the Medicity, Gurugram, on 26 July 2019. 6. Talk on 'Challenges in Paediatric Neuroanaesthesia', at DNACON 2019, held at DAIC, Janpath, New Delhi, on 3rd February 2019. Examinership 1. External examiner for ISNACC PDF examination Neuroanaesthesia at SGPGIMS, Lucknow in January 2019. 2. External examiner for DM Neuroanaesthesiology, AIIMS, New Delhi in May 2019. 3. External examiner for Neurocritical Care Fellowship, AIIMS, New Delhi in May 2019. 4. External examiner for DM Neuroanaesthesiology, AIIMS, New Delhi in December 2019. **Dr Monica S Tandon** 1. Invited Talk on "Use of blood and blood products in Neurosurgery" at the 17th Instructional and 11the Foundation Course of Neurological Society of India, held at GIPMER on 28.01.2019 2. Moderator for a Panel discussion on " Congenital Cardiac disease for Neuroanesthesia" at the 8th AIIMS Neuroanesthesia Update held at , All India Institute of Medical Sciences, on 18.10.2019 3. Mentor for a PBLD on " ICU management of patients with Spinal Cord Injury" at the 5th Annual

	Medanta Neuro Critical Care (MNCC) Conference organized by Medanta Medicity , Gurugram from 26-28th July 2019 4. Chaired a session at the 20th Annual Conference of Indian Society of Neuroanesthesiology and Critical Care , organized by ISNACC, at Gurugram, on 15.02.19 . Theme of the session: Neuroanesthesia : Techniques and beyond. 5. External examiner for Fellowship exam in Neurocritical care at All India Institute of Medical Sciences ,o 12.12.2019 **Dr Kiran Kiro** 1. Faculty at ISNACC Annual National Conference at Gurugram Haryana on February 2019. Conducted workshop on Airway. 2. Faculty at PBLD in Neurocritical Care (26-28) July 2019 organized by Medanta Gurgaon. Conducted a case based discussion on Neurocritical Care management of Sellar/suprasellar Tumors 3. Faculty at AIIMS Neuroupdate October 2019. Conducted a PBLD session on Anesthesia for neurosurgical intervention in pediatric patient congenital heart lesion. 4. Faculty at 17th Instructional and 11th foundational Course of NSI organized by GIPMER, New Delhi (28-29 september 2019. Delivered a lecture on Management of Hyponatremia. **Dr Priyanka Khurana** 1. Faculty at ISNACC Annual National Conference at Gurugram Haryana on February 2019. Conducted workshop on Airway. 2. Faculty at PBLD in Neurocritical Care (26-28) July 2019 organized by Medanta Gurgaon. Conducted a case based discussion on Neurocritical Care management of Sellar/suprasellar Tumors 3. Faculty at AIIMS Neuroanaesthesia Update October 2019. Panelist for Management of Stroke Session 4. Contributor to the poster Anaesthetic Management of patient with Hypertreophic Cardiomyopathy for Aneurysmal Clipping Surgery presented at AIIMS Neuroanaesthesia Update , October 2019. 5. Faculty at 17th Instructional and 11th foundational Course of NSI organized by GIPMER, New Delhi (28-29 september 2019). Delivered a lecture on ABG Analysis
11.	Significant Events (Honours to Faculty): **Dr Pragati Ganjoo** Awarded with 'Gaurav Samman', for contributing towards welfare of Kashmiri Pandit Community, by the Kashmiri Samiti Delhi, on 25th December 2019.
13.	Representation on expert Committee/Bodies:- **Dr Pragati Ganjoo** 1. Chairperson Education, Indian Society of Neuroanaesthesiology and Critical Care (ISNACC) Education, Training and Research Committee. 2. Member of Editorial Board: Journal of Neuroanaesthesiology and Critical Care (JNACC), Neurology India (NI), Journal of Anaesthesiology and Clinical Pharmacology (JOACP), Indian Journal of Critical Care Medicine (IJCCM), Indian Journal of Anaesthesiology (IJA). 3. Member of the Doctoral Committee for Ph D Thesis of Dr.Indu Kapoor, All India Institute of Medical Sciences **4. Dr Monica S Tandon** 5. Section Editor for Review Articles for Journal of Neuroanesthesiology and Critical Care. 6. Member of the Doctoral Committee for Ph D Thesis of Dr.Indu Kapoor, All India Institute of Medical Sciences 7. Contributor to SNACC Bibliography section; Topic : Cerebral Hyperperfusion Syndrome
14.	Health Services to the Community: **Dr Pragati Ganjoo** 1. Awarded with 'Gaurav Samman', for contributing towards welfare of Kashmiri Pandit Community, by the Kashmiri Samiti Delhi, on 25th December 2019. 2. Member of Executive committee and Medical advisor for students at MUSKAAN 'Parent Association for the Care and Empowerment of Individuals with Intellectual Disability', New Delhi.

BIOCHEMISTRY
GIPMER

Name of the Head of Department: **DR. MANJU SUBBERWAL**

S.No	Name of Faculty	Designation
1.	Dr. Manju Subberwal, M.D.	Professor and Head
2.	Dr. V.K. Gupta, M.D	Dir. Professor
3.	Dr Pradeep Kumar Dabla , M.D	Professor
4.	Dr. Bhawna Mahajan, M.D.	Associate Professor
5.	Dr. Ranjna Chawla, Ph.D	Senior Biochemist

Members who have left during the period:

S.No	Name of Faculty	Designation	Reason for leaving the job
-	Nil	-	-

Additions to the Faculty during the period:

S.No	Name of Faculty	Designation	Whether newly joined/ promotion
-	Nil	-	-

Research Scheme

On going projects:-

1. To study the prevelance of metabolic syndrome in COPD patients . Dr Manju Subberwal - Co- Guide. Medicine, Deptt. 2018
2. Comparison of serum prolactin levels before and after ECT and correlation of the absolute and relative change with prognosis in patients with mood disorders Dr Manju Subberwal - Co- Guide. Psychiatry, Deptt. 2018
3. Thyroid dysfunction in patients with depression and anxiety and response to therapy. Dr Manju Subberwal - Co- Guide. Psychiatry Deptt. 2018
4. Vitamin B12 levels in Psychiatric in patients Dr Manju Subberwal - Co- Guide . Psychiatry Deptt. 2018
5. Significance of inflammatory markers in patients of oesophageal carcinoma undergoing neoadjuvant chemotherapy versus neadjuvant chemoradiotherapy. Dr Pradeep Kumar Dabla –Co-Supervisor
6. Significance of inflammatory markers in cancer cervix treated with one drug vs two drug concurrent chemoradiation. Dr Pradeep Kumar Dabla –Co-Supervisor
7. Role of Sodium channel SCN1A gene mutations & GABA receptor gene alterations in drug resistance epilepsy –a study from tertiary care centre - Dr Pradeep Kumar Dabla –Principal Investigator (Project funded by DST, Ministry of Science & Technology)
8. "To evaluate the efficacy of daily VitaminD therapy versus Stoss therapy in nutritional rickets in Indian children". Dr Pradeep Kumar Dabla –Co Investigator
9. "Evaluation of Electrolytes Derangement in Critically Sick Patients". Dr Pradeep Kumar Dabla –Principal Investigator
10. Influence of Endothelin-1 gene and Endothelin-1 Receptor A Gene Polymorphisms on Pulmonary Arterial Hypertension Associated with Rheumatic Mitral Valve Disease. (Project funded by DST) Dr Bhawna Mahajan - Co-Investigator
11. Correlation between Clinical Symptoms, MRI Findings, and Synovial Fluid Levels of TNF-α and Matrix Metalloproteinase in Patients with Temporomandibular Joint Internal Derangement.(Project funded by CSIR) Dr Bhawna Mahajan - Co-Investigator
12. Systemic and local tissue expression of sclerostin in calcific rheumatic mitral stenosis : an observational study. Dr Bhawna Mahajan - Co-Guide
13. Efficacy of Naturopathy and Yoga in Controlling Hypothyroidis- 24th March 2017-23rd March 2019(Project funded by AYUSH Ministry of Health and family) Dr Ranjna Chawla - Co-Investigator

Details of thesis completed during current year

1. Evaluation of outcome of end to end tendon repair with or without amniotic membranes. A comparative study with orthopaedics deptt- Dr Manju Subberwal - Co- Guide. 2017
2. Prevalence of metabolic syndrome in chronic obstructive pulmonary disease. Dr Manju Subberwal - Co-Guide. 2017
3. Evaluation of outcome of end to end nerve repair with or without amniotic membranes. A comparative study with orthopaedics patients deptt- Dr Manju Subberwal - Co- Guide. 2017
4. To study serum glial fibrillary acidic protein (gfap) as a diagnostic and prognostic marker in patients of glioblastoma multiforme. Dr Manju Subberwal - Co-Investigator. 2017
5. Role of IL-10 & TNF-Alpha in Tendon repair and calcium metabolism. Dr Pradeep Kumar Dabla –Co-Supervisor

5 **Trainees from other agencies:**

S.No	Name	Institution	Duration
1	Sahiba	Jamia Milia New Delhi	6.3.19-13.319
2	Rizwan	Jamia Milia New Delhi	12.3.19-15.3.19
3	Md.Faisal	Jamia Milia New Delhi	19.3.19-27.3.19
4	Nisha singh	Meera bai Polytechnic	9.10.19-21.10.19
5	Pushpa Sarma	Meera bai Polytechnic	9.10.19-21.10.19
6	Khusboo Kumari	Meera bai Polytechnic	1.10.19-7.10.19 &15.10.19-21.10.19
7	Rupa	Meera bai Polytechnic	1.10.19-14.10.19
8	Ishika Sharma	Meera bai Polytechnic	1.10.19-14.10.19
9	Nish Sodhi	Meera bai Polytechnic	3.10.19-7.10.19 &15.10.19-21.10.19
10	Shireen	Meera bai Polytechnic	18.12.19-24.12.19
11	Afreen	Meera bai Polytechnic	26.12.19-30.12.19
12	Samta	Meera bai Polytechnic	26.12.19-31.12.19
13	Supriya	Meera bai Polytechnic	27.12.19-31.12.19
14	Ritu Pal	Meera bai Polytechnic	31.12.19-06.1.2020
15	Nidhi	Meera bai Polytechnic	2.1.20-8.1.2020
16	Leshini	NEIGRIHMS INSITUTE	21.11.19-19.12.19

Training course/ Conferences/ Workshops organized:

DepttOrganized symposium on 'Biomarkers for the management of critical illness: An Update' on 20th December 2019 in Auditorium, GB Pant Institute of Post Graduate Medical Education & Research.Organizing Chairperson: Dr Manju Subberwal, Organizing Secretary:
Dr Bhawna Mahajan, Members Organizing Committee, Dr VK Gupta Dr Pradeep Dabla, Dr Ranjna Chawla

Publications during the period:

Publications

- Dabla PK.Global Burden of Diabetes- Rising Expenditures on Healthcare Economy. J Endocrinol Diab. 5(6): 1-2. DOI: 10.15226/2374-6890/5/6/001120
- Serdarevic N, Dabla PK, Stanciu AE. Systematic differences between total and free prostate-specific antigen immunoassays: comparison using Passing and Bablok regression. Indian Journal of Clinical Biochemistry. First online: 13 feb2019.
- Sancesario G, Perrone MA, Pellegrin C, Lalongo C, Aita A, Dabla PK. Laboratory Medicine: the specialists of tomorrow. Biochimica clinica. Documents.2019. DOI: 10.19186/BC_2019.039
- Ranjna chawla, Rukamani nair, V KSood, Somnath Mukherjee. Effect of naturopathy on *control of glycemia,*insulinand adiponectin *levels in a randomized control trial in type 2diabetes mellitus patients. International J of Multidisciplinary Approach and Studies (IJMAS) vol 6(2) March- April 2019 pp 63-73*
- Ranjna Chawla, Rukamani Nair, V. K. Sood, Somnath Mukherjee, Anshu Arora. *Role of naturopathy on physical and biochemical parameters in patients with Type 2 diabetes mellitus Indian J of Traditional Knowledge**, july 18(3)** 2019 pp430-438*

- Ranjna Chawla, Rukamani Nair, Somnath Mukherjee, Yendrenbam Ibotombi Meitei, V R Sood& B.K Roy Naturopathy module and its effect on biochemical parameters in patients suffering from hypothyroidism International Journal of Multidisciplinary Approach and Studies Volume 06, No.5, Sep – Oct 2019 pp29-42

Abstract

- Ankush Singhal, Manju Subberwal, Ranjna Chawla.Improving laboratory performance using six sigma- our experience in GIPMER - a tertiary care Hospital . Abstract sent to 8th annual CME of clinical biochemistry hosted by Sir Ganga Ram Hospital on 25th April 2019

b) Invited Talk/Paper Presentation

- Invited Speaker & Chair &Trainer for workshop at APFCB Congress Nov2019; Dr Pradeep Kumar Dabla
- Invited Speaker at 23rd IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine in Barcelona, Spain, 19-23 May 2019.
- Invited Speaker for talk &Trainer for workshop at FOPPCON 2019 Feb– Confluence of Pathologists for Patient Care, Jaipur Rajasthan; Dr Pradeep Kumar Dabla

Books/ Chapters/ Contributed

Conferences/ Workshops/ Symposiums attended:

- Dr Manju Subberwal and Dr Ranjna Chawla attended CME on Six sigma approach in Lab Medicine – organized by Dept of Biochemistry, Medanta Hospital on 9th Feb 2019
- Dr Manju Subberwal and Dr Ranjna Chawla attended 8th annual CME on The laboratory and diabetes Mellitus - new challenges, new concepts, new measures – organized by Sir Ganga Ram Hospital on 25th April 2019
- Dr Manju Subberwal and Dr Ranjna Chawla attended 6th National scientific symposium on 'QC practices in clinical laboratory' on 6th June 2019 at le meridian, New Delhi
- Dr Manju Subberwal and Dr Ranjna Chawla attended worhshop on Excellence In Peer Review- A Reviewer Training Workshop- organized by Taylor and Francis India in association of Maulana Azad Medical College. on 9th sept 2019

  Dr Manju Subberwal Dr Pradeep Kumar Dabla and Dr Bhawna Mahajan attended; Medical Council of India, Curriculum Development & Implementation (CDI) workshop for in-house faculty of MAMC as per CISP for Undergraduate Medical Education, 25-27 Sept, 2019

  Dr Pradeep Kumar Dabla; NABL Assessor's Conclave, 8th May2019, IHC, New Delhi.

  Dr Pradeep Kumar Dabla; FOPPCON Jaipur, Feb2019

  Dr Pradeep Kumar Dabla;IFCC-EFLM European Congress, Spain, May2019

  Dr Pradeep Kumar Dabla; APFCB Annual Conference, 2019

Visitors: Nil

Significant events: Nil

Fellowship: Nil

Representation on expert Committee/ Bodies:-

Dr Manju Subberwal is nodal officer for digital mission mode project(dmmp) by medical council of India

Dr. V.K. Gupta represented NABL as Lead Assessor & technical assessor.

Dr. V.K. Gupta is a member of editorial board of Indian Journal of ClinicalBiochemistry

Dr. V.K. Gupta is a member of accreditation committee II in NABL

Dr V.K. Gupta is inspector, MCI for starting MD Biochemistry course in NRS Medical College, Kolkata.

Dr Pradeep Kumar Dabla -Executive Editor: World Research Journal of Biochemistry (Worl Res J of Bioc), [p-ISSN:2279-0810,e-ISSN:2279-0829]

Dr Pradeep Kumar Dabla- Editorial Board Member:Advances in Biochemistry (AB), ISSN Print: 2329-0870, ISSN Online: 2329-0862

Dr Pradeep Kumar Dabla; Editorial Board Member;Clinical Chemistry and Laboratory Medicine**;** OCLC number: 475036853ISSN**:** 1434-6621 (print); 1437-4331 (web)

Dr Pradeep Kumar Dabla; PGI Rohtak, Deptt of Biochemistry, Haryana; MBBS Ist Prof Annual Exam & Paper Setter, 19-23Aug 2019.

Dr Pradeep Kumar Dabla; PGI Rohtak, Deptt of Biochemistry, Haryana; MBBS Ist Prof Supple Exam, 20 Dec 2019.

Dr Pradeep Kumar Dabla; Chair eGem Committee chemicals; GIPMER
Dr Pradeep Dabla and Dr Bhawna Mahajan represented NABL as technical assessors
Dr. Bhawna Mahajanrepresented NABL as technical assessor
Dr. Bhawna Mahajanas Incharge BMW of GIPMER
Dr. Bhawna Mahajanas Member Standing Purchase Committee
Dr. Bhawna Mahajanas Assistant Library Officer
Dr Ranjna Chawla isMember, Scientific research committee BNCH&Y
Dr Ranjna Chawla -Technical Advisory Committee Member for purchase of Biochemistry Equipments for B.R.Sur Hospital,N.Delhi
Dr Ranjna Chawla - External expert for The Area Advisory Board meeting for the Program structure/ course review of B.Sc Medical Physiology and M.Sc Medical Physiology programs of Amity Institute of Physiology and Allied Sciences , Amity University Noida

14. Health Services to the Community:
All the resident and technical staff participated in the ongoing pulse Polio Immunization programme of Govt of NCT of Delhi.

15. **Lab Data:-**
Name of the Lab: Biochemistry Lab, GIPMER, N. Delhi
Name and no of the test perform:

Hepatic Profile	893094
Renal Profile	328687
Lipid profile	252006
Coagulation Profile	102308
Electrolytes	351468
Serum glucose	82467
Hormone assays	66736
Drugs and special tests	71745
Total 2148511	

c) Percentage of growth compared to last year: 11.9 % increase
16. New Facilities added:-

CARDIOLOGY
GIPMER

1. Name of the Head of the Department: Dr. SaibalMukhopadhyay

S. No.	Name of Faculty	Designation
1)	Dr. Sanjay Tyagi	Director-Professor
2)	Dr. V. K. Trehan	Director-Professor
3)	Dr. Saibal Mukhopadhyay	Professor& HOD
4)	Dr. Jamal Yusuf	Professor
5)	Dr. Vimal Mehta	Professor
6)	Dr. Sumod Kurien	Professor
7)	Dr. Girish M.P.	Professor
8)	Dr. Mohit Dayal Gupta	Professor
9)	Dr. Arima Nigam	Associate Professor
10)	Dr. Safal	Associate Professor
11)	Dr. Ankit Bansal	Associate Professor
13)	Dr. Sanjeev Kathuria	Assistant Professor
14)	Dr. SubratMuduli	Assistant Professor
15)	Dr. Vishal Batra	Assistant Professor

2. Members who have left during the period: None
3. Additions to the Faculty during the period: None

4. Research Scheme

a) On-going project

- Effect of aortic and renal intervention on Left ventricular function in Takayasu Arteritis.
- To study LA function with speckle tracking echocardiography in patients with isolated severe mitral stenosis.
- Biventricular function assessment before and after ASD device closure.
- Assessment of LAA contractile function in patients of severe Rheumatic mitral stenosis in sinus rhythm and its correlation with mitral annular systolic velocity.
- Correlation of R wave peak time and no reflow in patients undergoing primary PCI.
- To study the incidence of CIN and to evaluate relation between contrast volume and change in eGFR after coronary angiography/ intervention in CKD patients.
- To study the novel Lipid biomarkers in acute MI in North Indian population at a tertiary care center.
- To study association of blood Matrix Metallo Proteinase-3,9 and TIMP and their gene polymorphisms in acute myocardial infarction.
- To assess global longitudinal strain in symptomatic patients with multivessel CAD, prior to after PCI.
- To describe anatomical landmark of femoral artery and femoral vein in infants undergoing cardiac catheterization.
- Effect of Prasugrel versus Ticagrelor on myocardial perfusion in STEMI patients undergoing primary PCI.
- BMV in low flow low gradient severe mitral stenosis: immediate and short-term outcomes.
- Lipid profile pattern in angiography proven CAD patients on lipid lowering therapy.

b) Details of research projects completed during current year:

- Assessment of aortic stiffness in rheumatic mitral stenosis.
- To study predictors and outcomes of No-Reflow/ Slow Flow in patients undergoing primary percutaneous coronary intervention.
- Safety and efficacy of very long length Drug Eluting Stent System in patients with coronary artery disease.

- Evaluation of ventricular dysfunction in unoperated cases of Tetralogy of Fallot.
- Assessment of M30 apoptotic biomarker in patients undergoing primary percutaneous coronary intervention with or without multivessel disease.
- Comparison of Doppler echocardiography derived pulmonary artery pressures with invasive pulmonary artery pressures in patients with severe mitral stenosis with pulmonary artery hypertension undergoing percutaneous balloon mitral valvuloplasty.
- Evaluation of systemic inflammatory markers and thrombotic markers of CV risk among young Indian oral tobacco users.

c) International Research Projects:

- Principal Investigator in Project entitled **"A phase III randomized, double-blind, Parallel Group, Placebo Controlled, Multicentre, Multinational study to evaluate efficacy and safety of TRC150094 as Add On to Standard of Care in Improving Cadiovascular Risk in Subject with Diabetes, Dyslipidemia and Hypertension"** started in 2019.- **Dr Vimal Mehta**
- Principal Investigator in Project entitled **"A Real-World, Prospective, Observational study to evaluate the safety and effectiveness of Rivaroxaban (Xarelto®) for prevention of stroke and systemic embolism in Indian patients with Non-Valvular Atrial Fibrillation (NVAF)." - Dr Vimal Mehta**
- Principal Investigator in Project entitled "**D9480C00001: A phase 3 multicenter, prospective, randomized, double-blind, placebo controlled study to investigate the safety and efficacy of ZS (sodium zirconium cyclosilicate), in patients with hyperkalemia-HARMONIZE Asia." - Dr Vimal Mehta**
- Principal Investigator in Project in starting phase **"Duraglutide in Coronary artery disease patients to assess CV outcomes."- Dr Vimal Mehta**

5. Trainees from other agencies: None

6.Training course/Conferences/Workshops organized:

- Dr. Mohit Gupta (Secretary CSI Delhi Branch) organized 33rd Annual Conference of Cardiological society of India- Delhi Branch on 23-24 March 2019.
- 5th MAMC-MFM Update on Pregnancy with heart disease for postgraduate students and practitioners being organized by the Department of Obstetrics and Gynecology, MAMC, New Delhi in collaboration with Deptt. Of Cardiology, G.B. Pant Institute of Postgraduate Medical Education and research on the 21st December 2019 at the G. B. Pant Auditorium, New Delhi.
- Workshop for transcatheter aortic valve implantation was organized in our department. Dr. Marian Branny from Czech Republic delivered a guest lecture on Hemodynamics in TAVR on 01/05/2019.
- Seminar on advanced Hemodynamic Support during Complex PCI was organized on 21/11/2019 by department of cardiology and Pioneer faculty from USA delivered a guest lecture.
- Seminar on His Bundle Pacing and Physiological pacing was organized on 21/12/2019 by department of cardiology and Pioneer faculty Dr. Xingbin Liu from West China Hospital, Sichuan University, China delivered a guest lecture.
- Dr Safal and Dr Ankit Bansal organized the workshop on Intravascular imaging & clinical correlation on 7th November 2019 under aegis of Indian Society for Atherosclerosis Research (ISARCON 2019).

7. Publications during the period:

- Mukhopadhyay S, Yusuf J Et al. Effect of Successful valvuloplasty on mitral valve resistance and correlation with clinical outcome. Journal of Heart Valve disease. Article in press.
- Raman Puri, Vimal Mehta, MD, P. Barton Duell; Devaki Nair, J.C. Mohan, Jamal Yusuf, Jamshed J. Dalal, Sundeep Mishra, Ravi R. Kasliwal, Rajeev Agarwal, Saibal Mukhopadhyay, et al. Proposed Low Density Lipoprotein Cholesterol Goals for Secondary Prevention and Familial Hypercholesterolemia in India with

focus on PCSK9 inhibitor monoclonal antibodies: Expert Consensus Statement from Lipid Association of India. Journal of Clinical Lipidology, 2020 (In Press).

- P. Barton Duell, Vimal Mehta, Raman Puri. Epidemic of atherosclerotic cardiovascular disease in India. Journal of Clinical Lipidology, 2020 (In Press).
- Tyagi S, Batra V.Novel Therapeutic Approaches of Pulmonary Arterial Hypertension.Int J Angiol. 2019 Jun;28(2):112-117.
- Tyagi, S., Safal, S. & Tyagi, D. Aortitis and aortic aneurysm in systemic vasculitis. Indian J Thorac Cardiovasc Surg 35, 47–56 (2019). https://doi.org/10.1007/s12055-019-00832-z.
- Bhatt DL, Steg PG, Mehta SR, Leiter LA, Simon T, Fox K, Held C, Andersson M, Himmelmann A, Ridderstråle W, Chen J, Song Y, Diaz R, Goto S, James SK, Ray KK, Parkhomenko AN, Kosiborod MN, McGuire DK, Harrington RA; THEMIS Steering Committee and Investigators.Collaborators: Mehta V. Ticagrelor in patients with diabetes and stable coronary artery disease with a history of previous percutaneous coronary intervention (THEMIS-PCI): a phase 3, placebo-controlled, randomised trial.Lancet. 2019 Sep 28;394(10204):1169-1180.
- Steg PG, Bhatt DL, Simon T, Fox K, Mehta SR, Harrington RA, et al; THEMIS Steering Committee and Investigators. Ticagrelor in Patients with Stable Coronary Disease and Diabetes. N Engl J Med. 2019 Oct 3;381(14):1309-1320. doi: 10.1056/NEJMoa1908077.
- McMurray JJV, Solomon SD, Inzucchi SE, DAPA-HF Trial Committees and Investigators. Dapagliflozin in Patients with Heart Failure and Reduced Ejection Fraction. N Engl J Med. 2019 Nov 21;381(21):1995-2008. doi: 10.1056/NEJMoa1911303.
- Sawhney JPS, Mullasari A, Kahali D, Mehta V, Nair T, Kaul U, Hirematth MS. Short- and long-term follow-up of antithrombotic management patterns in patients hospitalized with acute coronary syndrome: Indian subgroup of EPICOR Asia study. Indian Heart J. 2019 Jan - Feb;71(1):25-31
- Mehra P, Mehta V, Sukhija R, Sinha AK, Gupta M, Girish MP, Aronow WS. Pulmonary hypertension in left heart disease. Arch Med Sci. 2019 Jan;15(1):262-273.
- Gupta MD, Girish MP, Yadav R. The saturated fat Controversy: Finding calmness in chaos. Indian Heart J. 2019 May - Jun;71(3):181-183.
- Ramakrishnan S, Zachariah G, Gupta K, Shivkumar Rao J, Mohanan PP, Kothari SS, Gupta R, Bansal S, Sood S, Nath RK, Tyagi S, Trehan V, Gupta MD, Girish MP. Prevalence of hypertension among Indian adults: Results from the great India blood pressure survey. Indian Heart J. 2019 Jul - Aug;71(4):309-313.
- Mohit Gupta, Vishal Batra, Girish MP, Ankit Bansal and Sanjay Tyagi. TCT-304 1-Year Clinical Outcomes in Patients Implanted With Biodegradable Polymer Coated Ultrathin Strut Sirolimus-Eluting Coronary Stent System for the Treatment of Very Long (≥40-mm) Lesions. Journal of the American College of CardiologyVolume 74, Issue 13 Supplement, October 2019
- A. Velaga, A. Bansal, M.D. Gupta, M.P. Girish, V. Batra, S. Tyagi. Susceptibility Of Ctla-4 ¡1661a/G And Ace I/D PolymorphismsTowards Severity Of Valvular Rheumatic Heart Disease. Abstracts / Indian Heart Journal 71 (2019) S30eS97.
- A. Gupta, M.D. Gupta, M.P. Girish, S. Tyagi, S. Kurin, V. Batra, A.Bansal. Epidemiological Profile And Management Patterns Of Acute Myocardial Infarction In Very Young Patients From A Tertiary Care Centre. Abstracts / Indian Heart Journal 71 (2019) S1eS29.
- N.P. Vaidya, M.D. Gupta, M.P. Girish, S. Tyagi, S. Kurien, V. Batra, A.Bansal. Telomere Length: An Important Biomarker For Studying Young Mi And The Relevant Clinical Factors. Abstracts / Indian Heart Journal 71 (2019) S1eS29.
- V. Jindal, M.D. Gupta, M.P. Girish, V. Batra, S. Tyagi, A. Bansal. Real World Experience With Biodegradable Polymer CoatedUltra-Thin Strut Sirolimus-Eluting Coronary Stent System. Abstracts / Indian Heart Journal 71 (2019) S1eS29

8. Books/ Chapters /Contributed:

1. Tyagi S, Bansal A**.**(2019)**Interventions in Takayasu Arteritis (Nonspecific Aorto- Arteritis)**in Essentials of Post Graduate Cardiology 2018edited byKewal C Goswami published by Evangel Publishers (P), India, Chapter 71, page 586-597.
2. Tyagi S, Bansal A**.**(2019)**Diseases of Pericardium.**in API Textbook of Medicine Eleventh Editionedited bySandhya A Kamath published by CBS Publishers and Distributors Pvt Ltd, India, Chapter 71, page 1618-1628.

9**. Conferences/Workshops/Symposiums attended:**

35th Annual Meeting of Maulana Azad Medical College Alumini Association of North America, July 25th to 28th, Chicago, IL, USA

- Dr Sanjay Tyagi delivered a keynote lecture.

Dr. Vimal Mehta delivered oration on "Diabetes in Indian Population" at London on invitation by Royal Free Hospital, London, United Kingdom

CMHC Congress at Chicago, USA in Oct 2019.

- Dr. Vimal Mehta presented abstract on "**Correlation of IL-6, IL-10, IL-18 and TNF-α Levels with Severity of Rheumatic Mitral Stenosis and Secondary Pulmonary Hypertension**"
- Ms. Pratishtha (Senior Research Associate) presented abstract on "**Influence of Endothelin-1 gene polymorphisms on pulmonary arterial hypertension associated with rheumatic mitral valve disease"**

TCT 2019, San Francisco, CASeptember 25 to 29, 2019

- Dr. Vishal Batra presented a poster on 1-Year Clinical Outcomes in Patients Implanted With Biodegradable Polymer Coated Ultrathin Strut Sirolimus-Eluting Coronary Stent System for the Treatment of Very Long (≥40-mm) Lesions

71ST ANNUAL CONFERENCE OF CSI, 05 - 08 DECEMBER 2019, NEW DELHI

- Dr Sanjay Tyagi chaired a conclave on Peripheral Vascular Disease
- Journey of Peripheral Vascular Disease Intervention in India and Current Status (**Dr K K Date Oration**)- Sanjay Tyagi
- Dr Saibal Mukhopadhyay chaired a session on Congenital Heart Disease
- Dr Jamal Yusuf chaired a session on Current Topics
- Dr Vimal Mehta chaired a session on Basic Sciences
- When to take Ventricular ectopic Seriously – Dr Mohit Gupta
- Susceptibility of CTLA-4 -1661A/G, ACE I/D polymorphisms towards severity to valvular system in Rheumatic Heart Disease - Ankit Bansal

26th Annual Conference of Indian College of Cardiology, 20-22 September 2019, Kochi

- Perfect POT and Perfect KISS- Dr Vijay Trehan

4thCSI CARDIACPREVENT 2019, National Conference on CVD Prevention18th - 20th October, 2019

- Revascularisation and Prevention of Death - Myth or Reality – Dr Vijay Trehan
- Genetics in CVD prevention -What is new? – Dr. Vimal Mehta
- Yoga - Can it be the One Stop Shop? – Dr. Mohit D Gupta
- Statin for all Diabetics - What is the Evidence? – Dr Girish MP

33rd Annual Conference of Cardiological Society of India, Delhi Branch (March 23th-24th, 2019)

- Endovascular Interventions for Cerebral Ischemia: Hope for hopeless - Dr. Sanjay Tyagi
- PCI: After all quality of life matters - Dr. Vijay Trehan
- PCSK-9 Inhibitor: Are they worth the price - Dr. Vimal Mehta
- My post MI patient comes and asks me, Which oil is good for me?-Dr.Safal

- hsCRP : Current status in practice – Dr SubratMuduli
- Aspirin for primary prevention: Breathing its last? – Dr Vishal Batra
- Rajan Tandon Memorial Quiz- Dr. Ankit Bansal

TCT India 2019, July 25-27 2019, Hyderabad India

- Tips and Tricks of Retrieval of Embolised Materials from Coronary Arteries. - Dr. Vijay Trehan
- How to manage complications and When to stop? - Dr. Vijay Trehan

Cleveland Clinic Advanced Certificate Course in Cardiology, 2019 2nd – 3rd February 2019, Hyderabad India

- Complex Coronary Case presentation- Dr Sanjeev Kahuria

Bifurcation Club of India 4th Meeting, 6-7th July 2019, Mumbai.

- Complications during bifurcation PCI- Dr Vijay Trehan and Dr Sanjeev Kathuria

5th MAMC-MFM Update on Pregnancy with heart disease, 21st December 2019, New Delhi

- ECG interpretation in Pregnancy and abnormal cardiac rhythm: what an obstetrician should know. – Dr. Ankit Bansal
- Management of Acute cardiac events in pregnancy. – Dr Vishal Batra

Apart from above list, the faculty of department of cardiology was invited to give guest lectures in various National conferences of repute.

10. Visitors: Dr. Ankur, Interventional Cardiologist, from New Jersey visited our institute for learning the technique of trans-septal puncture.

11. Significant Events (Honors to Faculty):

- **Dr Sanjay Tyagi was honoured as Distinguished Alumnus by the Union Health Minister during the Platinum Jubilee function of Safdarjung Hospital & VMMC.**

12. Fellowship:

- **Dr. Sanjay Tyagi was awarded prestigious Fellowship of Royal College of Physicians (FRCP), Edinburg UK.**
- **Awarded Fellowship of European Society of Cardiology (FESC) in 2019 to Dr. Vimal Mehta**
- **Awarded membership of American Diabetes Association (ADA) in 2019 Dr. Vimal Mehta**
- **Awarded Fellowship of American College of Cardiology (FACC) in 2020 Dr. Vimal Mehta**
- **Dr. Mohit Gupta was awarded prestigious Fellowship of Royal College of Physicians (FRCP), Edinburg UK.**
- **Ms. Pratishtha (Senior Research Associate) under Dr. Vimal Mehta has been invited for Fellowship by NHS Foundation Trust, London.**

Our department has continued Fellowship in Non-Invasive Cardiology and Fellowship in Pediatric Cardiology in year 2019.

13. Representation on expert Committee/Bodies:-

- Dr. Sanjay Tyagi was selected as Secretary General (INDIA) of International College of Angiology (USA).
- Dr. Sanjay Tyagi was invited as Chief Guest for Renal Transplant Update 2019
- Dr. Sanjay Tyagi was invited as Chief Guest for 4th AIIMS, PGI, MAMC Imaging course 2019.
- Dr. Sanjay Tyagi was invited as Chief Guest for 27th IES National Conference 2019.
- Dr. Sanjay Tyagi was invited as expert for faculty interview in AIIMS Bhuvneshwar and AIIMS Bhopal.
- Dr Sanjay Tyagi has been member of expert panel of UPSC, AIIMS, PGI, KGMC, UGC

- Dr Vijay Trehan has been member of expert panel of UPSC, AIIMS,PGI, KGMC.
- Dr Saibal Mukhopadhyay has been a regular member and advisor of DCGI regarding control of Drugs and Devices in India.
- Dr Saibal Mukhopadhyay has been member of expert panel of UPSC, AIIMS, PGI, KGMC, UGC, WBUHS.
- Dr. Vimal Mehta was appointed Vice Chairman of Lipid Association of India for publication of 3rd update of expert consensus statement for Management of Dyslipidemia in Indians.
- Dr. Mohit Gupta got elected as Secretary of Cardiology Society of India- Delhi Branch
- Dr. Vimal Mehta was selected as Executive Editor of Indian Heart Journal- Clinical Dialogues.
- Dr. Mohit Gupta was selected as Executive Editor of Indian Heart Journal- Interventions.

14**. Health Services to the Community:**

Department has particular focus on prevention of heart disease. The faculty of the department is undertaking various public awareness programs on heart disease.

- Talk on Nurses day "Easy Life for Busy People", Secrets of healthy and Happy Life.
- Talk on "Secrets of Stress management, self-transformation, healthy lifestyle and various life style modifications.
- Department organizes and participates in various programme on prevention of heart diseases.
- **Yoga center** of the department helps the cardiac patients in prevention and life style management.

15. Lab Data:-

a) **Name of the Lab- Echo**

	2018	2019
Fetal Echo	123	63
Adult and Pediatric Echo	59259	59200

b) TMT Lab, HUTT & Holter

	2018	2019
TMT	6546	5796
Holter	Not Working	59
HUTT	72	91
Vascular Lab	43	96

c) **Cath Lab: Cath, Angios and Interventions**

	2018	2019
Acute Heart Attack Emergency • Observation • Admission	 12532 9139	 19060 7477
OPD Attendance	417700	435400
Coronary Angiography	7328	7892
Stent Implantation	7553	9778
Other Interventions	4605	4812

16. New Facilities added:

New State of the artAmbulatory ECG monitoring system with 10 recorders were installed.

In collaboration with Obstetric Department MAMC and LN Hospital, an Out Patient Clinic specifically catering to Pregnant women with heart diseases has been started since December 2019, a first of a kind initiative among Delhi Government Hospitals and Medical Colleges.

CARDIOTHORACIC & VASCULAR SURGERY
GIPMER

Name of the Head of Department: - **Dr. Muhammad Abid Geelani**

- **Faculty:**

S.No.	Name of Faculty	Designation
1.	Dr. M.A. Geelani	Director-Professor & HOD
2.	Dr. Harpreet Singh Minhas	Professor
3.	Dr. Vithalkumar M. Betigeri	Professor
4.	Dr. Saket Agrawal	Professor
5.	Dr. Subodh Satyarthy	Professor
6.	Dr. Sayyed Ehtesham Hussain Naqvi	Assistant Professor

- **Members who have left during the period:** None

- **Addition to the Faculty during the period:** None

- **Research Scheme:**

Ongoing project:

- Long term result with various Prosthetic and Biological heart valve.
- Risk stratification in patient undergoing re-do CABG.
- Anticoagulation during Pregnancy in heart valve replacement patients.
- Outcome of valve replacement in left atrial clot with/without preoperative anticoagulation for six weeks.
- Early and late results of arch surgery.
- Total arterial revascularization in coronary artery diseases.
- Early and long term result of two stage Vs.single stage Fonton surgery in univentricular heart.
- Early and late results of mitral and tricuspid repair in rheumatic pathology.

- **Trainees from other agencies:** Post graduate students from MAMC, Delhi
  DNB
  DNB Practical Examination conducted w.e.f.11 & 12/10/2019.
  Perfusion trainees from
  Holy Family Hospital, Okhla Road, New Delhi
  Pt. B.D. Sharma Post Graduate Institute of Medical Sciences, Rohtak (Haryana)
  Rama University, U.P.
  Nims Collage of Paramedical Technology, Nims University, Rajasthan, Jaipur

- **Training course/conferences/workshops organized:**

- **A lecture for the Public Awareness as a part of World Heart Day** organized on 28/09/2019 at G.B. Pant Auditorium
- **Publications during the period:**
- Pre operative oral Amiodarone prophylaxis for the prevention of post operative atrial fibrillation in patients undergoing coronary artery bypass surgery.
- Right ventricular performance after mitral valve replacement in chronic rheumatic mitral regurgitation.- Indian journal of basic and applied medical research **(Dr Preetam Sahani)**
- Sacular aneurysm of ascending aorta with blocked grafts after elective CABG a case report.
- A retrospective study to determine the incidence and risk factors of delirium following open heart surgery.- International journal of surgery and surgical sciences (IJSSS) (**Dr Shwetank Vashishtha)**
- Coarctation of aorta with valvular heart disease –a hybrid approach. - MAMC journal of medical sciences.
- Effectiveness of standard consent vs pictoral consent in cardiac surgery.-Indian journal of basic and applied medical research (**Dr Ankit Jain)**

- Tetralogy of Fallot with left ventricular clot.-Journal of Cardiac Surgery.
- Surgical retrieval of atrial septal occluder device after late embolisation in Right ventricle.-World journal of cardiovascular surgery (**Dr Soumyadip Saha)**
- Cardiopulmonary bypass for tracheal resection and repair – a safe alternative.
- Malignant tumors of heart:AReview. - World journal of cardiovascular surgery (**Dr Akshaya Chauhan)**
- Review of neurological complications and their management after coronary artery bypass grafting surgery.
- Anomalous aortic origin of coronary arteries-A review of management.-Indian journal of basic and applied medical research. **(DrPrerit Agarwal)**

- **Conferences/Workshops/Symposiums attended:**
- **IACTS CT CME & MID TERM GB 2019 at Bhopal w.e.f.17/8/2019 to 18/8/2019**
- **Syncardia Lunch Symposium (TAH) in Annual Meeting of Indian Society for Heart & Lung Transplantation at JW Marriott, Aerocity, New Delhi held on 1 to 2 October, 2019.**
- **Heart & Lung Transplant Immunology Meet-2019 at Ahmadabad 12th& 13th January, 2019**
- **Critical Care Conference at Mumbai w.e.f. 31/01/2019 to 02/02/2019**
- **UPDACON – 2019 on 12 & 13th October, 2019 at Agra**
- **RSSDI-2019 held on 7th to 10th November, 2019 at JECC, Jaipur, Rajasthan**

- **Fellowship: We are planning to following fellowship in Cardiac Surgery (File under process for approval)**
- Fellowship in Aortic Surgery – Two (2)
- Fellowship in Pediatric Cardiac Surgery – Two (2)
- Fellowship in Advanced Adult Cardiac Surgery – Two (2)
  B.Sc (Perfusion Technology) course. Proposal approved from competent authority i.e. Department of Health & Family Welfare, Govt. of NCT of Delhi and pending with Delhi University for final inspection & approval.

- **Representation on expert committee/Bodies:**

a) Expert member of DMC/DNB/MCI-PG committee
b) Technical Advisory Committee for AIIMS, New Delhi, RML, New Delhi and Rajiv Gandhi Super-Specialty hospital, Tahirpur, Delhi.

- **Health Services to the Community:** None

- **Lab Data:**
- Analyzing of Arterial & Venous Blood Gases (Total=41,000 P/A).
- Analysis of Activated Clotting timer of Blood (Total=45,500 P/A).

GASTROENTEROLOGY
GIPMER

Name of the Department: Gastroenterology Department, GB Pant Institute of Post Graduate Medical Education and Research (GIPMER), New Delhi

Head of the Department: Dr. AS Puri.

Faculty Members:

1 Dr. AS Puri (Director-Professor & HOD)
2 Dr. BC Sharma (Professor)
3 Dr. Sanjeev Sachdeva (Professor)
4 Dr. Siddharth Srivastava (Professor).
5 Dr. Ajay Kumar (Associate Professor)
6 Dr. Ashok Dalal (Assistant Professor)
7 Dr. Ujjwal Sonika (Assistant Professor)

Members who have left during the period: Dr. Amol S. Dahale
Additions to the Faculty during this period: None

Research Schemes:
Ongoing projects:

1 **Dr. Anurag Mishra (Guide-Dr. AS Puri):** Efficacy of hepatitis B vaccination in patients with inflammatory bowel disease: a prospective cohort study
2 **Dr. Manish Tomar (Guide-Dr. S. Srivastava):**To study the predictors of infection in patients with Asyptomatic Walled off necrosis
3 **Dr. Arpan Jain (Guide-Dr. BC Sharma):** A Double Blind Randomized Controlled Trial comparing Lactulose plus Rifaximin with Lactulose plus Rifaximin plus L Ornithine L Aspartate in treatment of Overt Hepatic Encephalopathy (Grade III-IV) in patients with Cirrhosis

Thesis completed:

A. Dr. SS Sethi (Guide-Dr. AS Puri): Prevalance of Clostridium difficile infection in acute severe colitis in patients of ulcerative colitis

B. Dr. Vishwanoor Singh (Guide-Dr. S. Sachdeva): Prevalence of SIBO in Elderly patients with functional bowel disease

C. **Dr. Gaurav Padia (Guide-Dr. Ajay Kumar):**Evaluation of Serum Cystatin C and IL-6 forpredicting the development of Renal dysfunction, Acute on chronic liver failure and mortality in patients of cirrhosis with acute decompensation

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Trainees from other agencies:

SN	Name	Hospital/Centre	Duration
1.	Dr. Bhagat Singh	Sher-I-Kashmir Institute of Medical Science, J&K	11.03.2019 to 10.04.2019
2.	Dr. Suresh Gorka	Sher-I-Kashmir Institute of Medical Science, J&K	11.03.2019 to 10.04.2019
3.	Dr. Arun Gnawali, DM (GE)	Tribhuvan University, Institute of Medicine, Maharajgunj, Kathmandu, Nepal	01.04.2019 to 30.06.2019
4.	Dr. Hilal ahmad Dar, DM	Sher-I-Kashmir Institute of Medical Science, J&K	15.04.2019 to 14.05.2019
5.	Dr. Aditi Kumar	Division of Paediatric Gastroenterology, PGIMER, Chandigarh.	01.10.2019 to 31.10.2019
6.	Dr. Suraj Kumar	JMNS, Imphal	w.e.f. 09.10.2019 to 13.10.2019

Training Course/Conferences/Workshops organized:

1 ERCP Spyglass Cholangioscopy & Axios LAMS Live Workshop
2 POEMS For Achalasia Live Workshop
3 Asian-Pacific Consensus on SIBO in GI Disorders

Publications during the period:

1. Mobile Phone in Stomach—Is Endoscopic Trial Worthwhile?: A Case Report. Ankush Pawar, **Ashok Dalal, Amol Dahale, Sanjeev Sachdeva, A. S. Puri.** J Dig Endo 2019 (Accepted for publication)
2. Nonsurgical management of gastroduodenal tuberculosis: Nine-year experience from a tertiary referral center.**Dalal A, Puri AS, Sachdeva S**, Sakuja P. Endosc Int Open. 2019 Oct;7(10):E1248-E1252..
3. Tissue Xpert® MTB/RIF Assay in Peritoneal Tuberculosis: To be (Done) or Not to be (Done).**Dahale AS, Puri AS, Kumar A, Dalal A**, Agarwal A, **Sachdeva S**. Cureus. 2019 Jun 26;11(6):e5009.
4. Endoscopic Retrograde Cholangiopancreaticography in Children: A Single-center Experience From Northern India.**Dahale AS, Puri AS, Sachdeva S, Srivastava S, Kumar A**. Indian Pediatr. 2019 Mar 15;56(3):196-198.
5. Gastrointestinal: Radiation proctitis: Or is it something else? **Sonika U**, Sahu B, **Dahale** AS, Srivastava R, Saran RK, **Sachdeva S.** J Gastroenterol Hepatol. 2019 Jul;34(7):1131
6. Role of linear endosonography in the diagnosis of biopsy-negative malignant esophageal strictures: Exploring the unexplored. Amol S Dahale, Siddharth Srivastava, Ujjwal Sonika, Ashok Dalal, Aditi Goyal, Puja Sakhuja, **Sanjeev Sachdeva, Amarender S Puri**. JGH Open 2019 (Accepted for Publication)
7. Indian Consensus on gastro esophageal reflux diseases in adults: A position statement of the Indian Society of Gastroenterology. SJ Bhatia, GK Makharia, P Abraham, N.Bhat, A Kumar, **AS Puri,** DN Reddy, et al. Indian Journal of Gastroenterology 2019; 38(5): 411-440
8. Diet and Inflammatory bowel diseases : The Asian Working Group guidelines. A Sood, V.Ahuja, S.Kedia, V Midha, R Mahajan, V Mehta, R Subhakar, **AS Puri,** et al.Indian Journal of Gastroenterology 2019; 38(3): 220-246
9. Cytopreparation of duodenal biopsy fixative improves detection rate of giardia in clinically suspected cases. N Garg, J Singh, H Anjum, **AS Puri,** P Sakhuja, VV Batra. Cytopathology 2019; 30 (3): 309-313
10. Indian guideline on imaging of the small intestine in crohn's disease: A joint Indian Society of Gastroenterology and Indian Radiology and imaging Association Consensus statement. S Kedia, R Sharma, G Makharia, V Ahuja, D Desai, D kandasamy, **AS Puri,** et al. Indian Journal of Radiology & Imaging 2019;29(2): 111-132
11. Strongyloidiasis: An Unusual Cause of Gastric Outlet Obstruction. AK Mantri, **A Kumar**, **S Sachdeva**, P Sakhuja, **AS Puri**. Tropical Gastroenterology 2019; 39 (1): 33-35
12. Mucoepidermoid Carcinoma of the Gallbladder: A Case-Based Study of an Extremely Rare Tumor Highlighting the Role of Immunohistochemical Profiling. Nallacheruvu Y, Gaur K, Sakhuja P, Agarwal AK, **Srivastava S**. Int J Surg Pathol. 2019 Jun;27(4):418-422
13. Utility of cytomorphology in distinguishing solid pseudopapillary neoplasm of pancreas from pancreatic neuroendocrine tumor with emphasis on nuclear folds and nuclear grooves. Misra S, Saran RK, **Srivastava S**, Barman S, **Dahale A**. Diagn Cytopathol. 2019 Jun;47(6):531-540.
14. Effect of sofosbuvir and daclatasvir on lipid profile, glycemic control and quality of life index in chronic hepatitis C, genotype 3 patients. Jain A, Kalra BS, **Srivastava S**, Chawla S. Indian J Gastroenterol. 2019 Feb;38(1):39-43
15. Endoscopic cystogastrostomy versus surgical cystogastrostomy in the management of acute pancreatic pseudocysts. Saluja SS, **Srivastava S**, Govind SH, **Dahale A, Sharma BC**, Mishra PK. J Minim Access Surg. 2019 Feb 18
16. Complications constitute a major risk factor for mortality in hepatitis B virus-related acute-on-chronic liver failure patients: a multi-national study from the Asia-Pacific region. Chen T, Yang Z, Choudhury AK, **Sharma BC**, et al. Hepatol Int. 2019 Nov;13(6):695-705
17. APASL HCV guidelines of virus-eradicated patients by DAA on how to monitor HCC occurrence and HBV reactivation. Kanda T, Lau GKK, Wei L, Moriyama M, Yu ML, Chuang WL, Ibrahim A, Lesmana CRA, Sollano J, Kumar M, Jindal A, **Sharma BC**, et al. Hepatol Int. 2019 Nov;13(6):649-661
18. Acute-on-chronic liver failure: consensus recommendations of the Asian Pacific association for the study of the liver (APASL): an update. Sarin SK, Choudhury A, Sharma MK, Maiwall R, Al Mahtab M, Rahman S, **Sharma BC**, et al; APASL ACLF Research Consortium (AARC) for APASL ACLF working Party. Hepatol Int. 2019 Jul;13(4):353-390

19. ERCP-related perforation: an analysis of operative outcomes in a large series over 12 years. Patil NS, Solanki N, Mishra PK, **Sharma BC**, Saluja SS. Surg Endosc. 2020 Jan;34(1):77-87
20. APASL clinical practice recommendation: how to treat HCV-infected patients with renal impairment? Kanda T, Lau GKK, Wei L, Moriyama M, Yu ML, Chuang WL, Ibrahim A, Lesmana CRA, Sollano J, Kumar M, Jindal A, **Sharma BC**, et al. Hepatol Int. 2019 Mar;13(2):103-109
21. Flare of Autoimmune Hepatitis Causing Acute on Chronic Liver Failure: Diagnosis and Response to Corticosteroid Therapy. Anand L, Choudhury A, Bihari C, **Sharma BC**, et al; APASL ACLF (APASL ACLF Research Consortium) Working Party. Hepatology. 2019 Aug;70(2):587-596

- **Conferences/Workshops/Symposiums attended:**

  Dr. AS Puri, Dr. BC Sharma, Dr. S. Sachdeva, Dr. U. Sonika attended APDW-2019 conference at Kolkata
  Dr. AS Puri, Dr. BC Sharma, Dr. S. Sachdeva, Dr. Ajay Kumar attended DRILLS-2019 organized by ILBS, New Delhi
  Dr. AS Puri, Dr. BC Sharma, Dr. S. Sachdeva, Dr. Ajay Kumar attended CPLD-2019 at AIIMS, Delhi
  Dr. AS Puri, Dr. BC Sharma, Dr. S. Srivastava attended Annual SGEI Conference at Delhi
  Dr. AS Puri, Dr. BC Sharma, Dr. S. Sachdeva, Dr. S. Srivastava, Dr. Ajay Kumar, Dr. Ashok Dalal, Dr. Amol Dahale, Dr.Ujjwal Sonika attended Delhi Chapter ISG meetings held during 2019
  Dr. AS Puri, Dr. BC Sharma, Dr. S. Sachdeva, Dr. S. Srivastava, Dr. Ajay Kumar attended Liver Diseases Meeting organized by Sir Ganga Ram Hospital, New Delhi in September 2019
  Dr. AS Puri attended TUTH Conference at Kathmandu (Nepal) in February 2019
  Dr. AS Puri attended Uttarakhand Diabetes Research Foundation Meeting at Rudrapur in May 2019, ISG-Midcon at Kochi (Kerala), API Punjab Patiala in October 2019
  Dr. S. Sachdeva attended UP-ISGCON at Lucknow (UP)
  Dr. S. Srivastava attended: Kalinga perspective of Liver and digestive diseases held on 9-10 February 2019, Medicine update 2019: Annual CME of MAMC held on 9th March 2019, 10th International workshop on EUS and ESD interface from 17 to 18 August 2019, Workshop on Data science and statistical analysis using R software 25-28 September 2019, organized by Indian spinal injuries center, Current trends in Therapeutics and Diagnostics of NAFLD on 10th December 2019 organized by AIIMS New Delhi, HPB surgery Post Graduate Certificate Course organized by ILBS New Delhi from 2nd to 6th December 2019, "Biomarkers for the management of Critical illness: An update" organized by GIPMER on 20th December 2019
  Dr. Ashok Dalal attended Competency based medical education Conference in MAMC, Workshop on how to write a manuscript at MAMC

- **Visitors:** Prof. Raj (from USA) visited As Faculty for Live Workshop on Spyglass Cholangioscopy & Axios LAMS

- **Significant Events (Honors to Faculty):**

  Dr. AS Puri:
  Chaired sessions/delivered lectures at APDW-2019 (Kolkata), SGEI Conference-2019 (Delhi), DRILLS-2019 (Delhi), SGRH Liver Meeting (Delhi), Delhi-Chapter ISG Meetings, TUTH Conference at Kathmandu (Nepal), Uttarakhand Diabetes Research Foundation Meeting at Rudrapur in May 2019, ISG-Midcon at Kochi (Kerala), API Punjab Patiala in October 2019
  Dr. BC Sharma:
  Chaired sessions/delivered lectures at APDW-2019 (Kolkata), SGEI Conference-2019 (Delhi), DRILLS-2019 (Delhi), SGRH Liver Meeting (Delhi), APASL-2019 at Manila, International Consensus on Hepatic encephalopathy-2019 in USA

  Dr. Sanjeev Sachdeva:
  Chaired sessions/delivered lectures at APDW-2019 (Kolkata), DRILLS-2019 (Delhi), SGRH Liver Meeting (Delhi), UP-ISGCON-2019 at Lucknow (UP), CPLD-2019 (AIIMS, Delhi)

  Dr. Siddharth Srivastava:
  Chaired sessions/delivered lectures at Kalinga perspective of Liver and digestive diseases held on 9-10 February 2019, Medicine update 2019: Annual CME of MAMC held on 9th March 2019, 10th International

workshop on EUS and ESD interface from 17 to 18 August 2019, Workshop on Data science and statistical analysis using R software 25-28 September 2019, organized by Indian spinal injuries center, Current trends in Therapeutics and Diagnostics of NAFLD on 10th December 2019 organized by AIIMS New Delhi, HPB surgery Post Graduate Certificate Course organized by ILBS New Delhi from 2nd to 6th December 2019, "Biomarkers for the management of Critical illness: An update" organized by GIPMER on 20th December 2019

Dr. Ajay Kumar:
Chaired session at CPLD-2019 (AIIMS, Delhi)

- **Fellowship:**
- **Dr. AS Puri was awarded Fellowship of** National Academy Of Medical Science (India)

- **Representation on Expert Committee/Bodies:**

A. Dr. AS Puri:
MCI Inspector for DM (Gastroenterology Course)
Nominated as Inspector for DNB (Gastroenterology Course)
Examiner for DNB (Gastroenterology) under NBE
Examiner for DM (Gastroenterology) under University of Delhi
Examiner for DM (Gastroenterology) for Institute of Medicine, Tribhuvan University, Kathmandu, Nepal
Reviewer of Journals: Indian Journal of Gastroenterology, Journal of Gastroenterology & Hepatology, Digestive and Liver Diseases
Member Editorial board: Indian Journal of Gastroenterology
Member ICMR Expert Committee for Extramural Research projects
Member ICMR Research Group for Celiac Disease

Dr. BC Sharma:
Member Governing Council—INASL, APASL
Secretary General and Treasurer of APASL
MCI Inspector for DM (Gastroenterology Course)
Examiner for DM (Gastroenterology) under University of Delhi
Member Editorial board-World Journal of Gastroenterology, Hepatology International, World Journal of Hepatology, Journal of Clinical & Experimental Hepatology, Journal of Gastroenterology and Hepatology
Reviewer of Journals: Hepatology, Endoscopy, European Journal of Gastroenterology & Hepatology, Journal of Gastroenterology & Hepatology, Digestive Diseases & Sciences, Hepatology International, Indian Journal of Gastroenterology

Dr. Sanjeev Sachdeva:
Vice-President—IMFDA (Indian Motility & Functional Diseases Association)
Member---Asian Neurogastroenterology & Motility Association (ANMA)
Reviewer of Journals: Digestive Disease & Sciences, Hepatology International, Indian Journal of Gastroenterology, Tropical Gastroenterology, World Journal of Gastroenterology, Journal of Gastroenterology and Hepatology
Member of Ethics Committeeof ILBS, Delhi
Visiting Gastroenterologist to The Supreme Court of India
Selected as Technical Expert in FDC Division of DCGI, Delhi
Examiner for DM (Gastroenterology) under University of Delhi
Member of Steering Committee for Liver Diseases Biobank at ILBS, Delhi

Dr. Siddharth Srivastava:
Member—European Society of Gastrointestinal Endoscopy (ESGE)
Reviewer of Journals: Indian Journal of Gastroenterology, Tropical Gastroenterology
Member Subject expert committee (SEC) of Directorate general of health services (DGHS) for approval of new drugs
Member speciality technical committee of GNCTD
Member Subject expert committee (SEC) of Food and Drug authority (FDA)
Founding Member Indian Pancreas Club

Subject expert on Task Force on Rational Use of Medicine by ICMR 2019
Subject expert on Ayushman Bharat Union Government of India 2019

Dr. Ajay Kumar:
Reviewer of Journal: Tropical Gastroenterology

Health Services to the Community: One Day Hepatitis-B Awareness Program for Patients & their attendants & Hospital Staff on occasion of World Hepatitis Day

Laboratory data:
Total Endoscopic procedures: 13359 (UGIE-10408, LGIE-2951), POEM-3
Total EUS procedures: 1011
Total ERCP procedures: 2845
Oesophageal stricture dilatations: 644
Oesophageal SEMS/Achalasia dilatation: 177
GI High resolution manometry/oesophageal pH-metry: 204
Hydrogen-Methane Breath test analysis: 192
Hepatitis Serology: 95393
Celiac disease serology: 886

New Facilities added: POEM procedure started for treatment of Achalasia cardia, Therapeutic Drug Monitoring (TDM) for patients with IBD on Biological Drugs

Any other worth mentioning information:
Dr. AS Puri & Dr. S. Sachdeva selected as Experts for Asian-Pacific Consensus on Small Intestinal Bacterial Overgrowth (SIBO) in GI Disorders
The Senior Residents (DM) of the Department of Gastroenterology won following prestigious International/National level awards/honors during the year 2019:
Dr. Mayank Aggarwal got Travel Grant Award for APDW-2019 (Kolkata)
Dr. SS Sethi delivered a speech on C. Difficile in IBD at BIT's 4th Annual World Congress of Digestive Disease-2019 (WCDD-2019) held in Kunming (China)
Dr. Gaurav Padia, Dr. SS Sethi & Dr. Vishwanoor Singh Presented Original Research papers as Oral/Poster session at APDW-2019 International Conference at Kolkata
Dr. Gaurav Padia presented Original Research paper at International Digestive Disease Forum-2019 at Hong Kong (Received Travel Grant)
Dr. Gaurav Padia presented Original Research paper at World Congress of Gastroenterology-2019 at Istanbul (Turkey)

GASTROINTESTINAL SURGERY
GIPMER

1.Head of department: **Dr Anil Agarwal** (Director Professor)

Faculty
Dr. Anil Agarwal (Director Professor)
Dr HH Nag (Professor)
Dr SS Saluja (Professor)
Dr Amit Javed (Assistant Professor)

2.Members who left during the period- None

3. Additions to the faculty during the period-none

4. Research scheme
Ongoing projects:
Proteomic analysis of plasma exmosome to identify circulatory biomarker for gall bladder carcinoma. Investigators: Dr Poonam Gautum, Dr P sakhuja, Dr A K Agarwal, Dr U Agarwal
Comparison of Blood Loss in Laparoscopic vs Open Pancreaticoduodenectomy
in Patients With Periampullary Carcinoma - A Randomized Clinical Trial. Investigators: Dr H H Nag, Dr Aditya Sharma, Dr P Sakhuja, Dr S Sachdeva, Dr S Chandra

5.Trainees from other agencies:

1.	Dr. Anush Mohan KIMS, Trivandrum	13.12.18- 12.01.19
2.	Dr. Lokesh Yadav KIMS, Trivandrum	02.1.19 - 01.2.19
3.	Dr. Gasnafar Hussaince KIMS, Trivandrum	13.01.19 – 12.2.19
4.	Dr. Prakashan OK Madras Medical College, Chennai	16.04.19 – 30.04.19
5.	Dr. Pranav HS Madras Medical College, Chennai	16.04.19 – 30.04.19
6.	Dr. N Venkateshwar Mahadevan Madras Medical College, Chennai	16.05.19 – 31.05.19
7.	Dr. M Karthik Madras Medical College, Chennai	16.05.19 – 31.05.19
8.	Dr. Chandrabose Ambedkar MJ Madras Medical college, Chennai	17.06.19 – 30.06.19
9.	Dr. Prasanna G Madras Medical College, Chennai	17.06.19 – 30.06.19
10.	Dr Sahil Sandal SKIMS, Kashmir	01.10.19-30-11-19
11.	Dr Jyotirmay Jena Banagalore Medical College	23.12.19-04.01.2020
12.	Dr Mannem Manoj Kumar Banagalore Medical College	23.12.19-04.01.2020

6.Training courses/conferences/workshops organized:

7. Departmental Publications during the period:

1. **Laparoscopic Surgery for Gallbladder Cancer: An Expert Consensus Statement**
   Ho-Seong Han, Yoo-Seok Yoon, Anil K. Agarwal, Giulio Belli, Osamu Itano, Andrew A. Gumbs, Dong Sup Yoon, Chang Moo Kang, Seung Eun Lee, Toshifumi Wakai, Roberto I. Troisi. Dig Surg. 2019

2. **Survey Results of the Expert Meeting on Laparoscopic Surgery for Gallbladder Cancer and a Review of Relevant Literature**
Ho-Seong Han, Yoo-Seok Yoon, Anil K. Agarwal, Giulio Belli, Osamu Itano, Andrew A. Gumbs, Dong Sup Yoon, Chang Moo Kang, Seung Eun Lee, Toshifumi Wakai, Roberto I. Troisi. Dig Surg.2019

3. **International Summit on Laparoscopic Pancreatic Resection (ISLPR) "Coimbatore Summit Statements",**
Palanivelu C, Takaori K, Abu Hilal M, Kooby DA, Wakabayashi G, Agarwal A, Berti S, Besselink M, Chen KH, Gumbs AA, Han H-S, Honda G, Hua MZ, Khatkov I, Kim HJ, Li JT, Duy Long TC, Machado M, Matsushita A, Menon K, Nakamura M, Nagakawa Y, Pekolj J, Poves I, Rahman S, Rong L, Cunha AS, Senthilnathan P, Shrikhande SV, Gurumurthy SS, Yoon DS, Yoon Y-S, Khatri V, Surgical Oncology (2018), doi: 10.1016/j.suronc.2017.12.001

4. **Hydatid cyst of the pancreas; A diagnostic dilemma**. **Agarwal AK, Javed A**, **Agarwal G**. Trop Gastroenterol.2019

5: **Spontaneous cholecystocutaneous fistula in a case of adenocarcinoma of gall bladder: A case report.** Javed A, Agarwal AK, Agarwal **G**. Trop Gastroenterol.2019

6: **Laparoscopic lateral pancreaticojejunostomy- An experience from a tertiary care center**.Javed A, Agarwal AK, Shashikiran BD. Trop Gastroenterol.2019

7: **Relevance of neuroendocrine component in combined carcinoma of esophagus: Preoperative diagnosis, surgery and adjuvant therapy affecting its clinical outcome. Squamous variant of gallbladder cancer: is it different from adenocarcinoma; A case report and review of literature.** Javed A, Agarwal AK, Shashikiran BD. Trop Gastroenterol. 2019

8: **Laparoscopic versus open surgical management of patients with Mirizzi's syndrome: A comparative study.** Nag HH, Nekarakanti PK**.** J Minim Access Surg. 2019 APR. DOI: 10.4103/jmas.JMAS_33_19

9: **Laparoscopic versus open extended cholecystectomy with bi-segmentectomy (s4b and s5) in patients with gallbladder cancer.**Nag HH, Sachan A, Nekarakanti PK. J Minim Access Surg. 2019 Oct; doi: 10.4103/jmas.JMAS_98_19 PMID: 31603079

10. **Oesophageal Schwannoma:A Postoperative Diagnosis.** Sharma A, Nag HH, Nekarakanti PK, Bhat VS, Sharma M.JCDR.2019 Feb;13(2),09-10. doi:10.7860/JCDR/2019/40178/12571

11. **Primary Pancreatic Echinococcosis: A Rare Cause of Pancreatic Cyst. International Journal of TROPICAL DISEASE & Health.** Khullar, R., Nag HH., & Saluja SS**.** 2019 Nov;39(1), 1-8. https://doi.org/10.9734/ijtdh/2019/v39i130198

12. **Analysis of clinicopathological and immunohistochemical parameters and correlation of outcomes in gastrointestinal stromal tumors.** Varshney VK, Gupta RK, Saluja SS, Tyagi I, Mishra PK, Batra VV. Indian J Cancer. 2019 Apr-Jun;56(2):135-143. doi: 10.4103/ijc.IJC_352_18. PMID: 31062732

13. **Early recurrence after laparoscopic radical cholecystectomy in a patient with gallbladder cancer.** Parasar K, Saluja SS, Varshney VK, Deepak B, Mishra PK. J Minim Access Surg. 2019 Jan-Mar;15(1):74-76. doi: 10.4103/jmas.JMAS_97_18. PMID: 29794366

14. **Budd-Chiari Syndrome with Inferior Vena Cava-Right Atrial Junction Obstruction: A Rare Presentation Managed by a Novel Technique.** Balachandra D, Varshney VK, Singh S, Trehan VK, Saluja SS.. Am Surg 2019 Dec;85(12):e611-e613

15. **SELSI Consensus Statement for Safe Cholecystectomy — Prevention and Management of Bile Duct Injury — Part A Indian Journal of Surgery 2019.** Virinder Kumar Bansal1 & Mahesh C. Misra1 &**Anil K Agarwal**& JB Agrawal & PN Agarwal & Sandeep Aggarwal1 & Mohammad Aslam & Asuri Krishna & Aditya Baksi & Anu Behari & Hemanga K Bhattacharjee & Rajesh Bhojwani & Jagdish Chander & TK Chattopadhyay & Chintamani & Pradeep Chowbey & Abhay Dalvi & NR Dash & IK Dhawan & Shivanand Gamangatti & PK Garg & NM Gupta& Rajesh Gupta & SK Gupta & Vikas Gupta & L Kaman & BML Kapur & Kamal Kataria & Muneer Khan & Ajay K Khanna & Rajesh Khullar & Anand Kumar & Atin Kumar & Sandeep Kumar & Subodh Kumar & Pawanindra Lal & SD Maurya& GS Moirangthem & Sujoy Pal & Rajesh Panwar & Rajinder Parshad & Biju Pottakkat & Om Prakash Prajapati & Shailesh Puntambekar & Piyush Ranjan & Yashwant Singh Rathore & Peush Sahni & Rathindra Sarangi & Vuthaluru Seenu& Rajeev Sharma & VK Shukla & DP Singh & Jaspal Singh & Rajdeep Singh & Rajeev Sinha & Sadiq S Sikora & Amit Srivastava & Anurag Srivastava & KN Srivastava & Shaji Thomas & GR Verma & JD Wig & VK Kapoor

16. **SELSI Consensus Statement for Safe Cholecystectomy—Prevention and Management of Bile Duct Injury—Part B. Indian Journal of Surgery 2019.**

Virinder Kumar Bansal1 & Mahesh C. Misra1 &**Anil K Agarwal**& JB Agrawal et al

08. Books/Chapters/Contributed:

09. Visitors to the department:
Dr Yamamoto, Japan
Dr Krish Menon, UK
Dr Kevin Billingsley, USA
Dr Darius Mirza: UK
Dr Eduardo Fernandes, Brazil

10. Conferences/Symposium attended:

11. Significant Events(Honors to Faculty):
Dr Anil Agarwal
Invited as guest faculty for various conferences in India and abroad.
MCh and DNB examiner for exams in India and Nepal
Live Demonstration surgery – Radical Cholecystectomy on a soft human cadaver at Bangalore.
Invited to be a guest editor for one volume of Oxford book on GI Surgery
Invited to contribute a chapter on Gallbladder cancer for the Oxford book on GI Surgery

Dr HH Nag
1. Special mention poster-IASGCON, AIIMS, DELHI: Bi-Segmentectomy Versus Wedge Hepatic Resection In Patients With Resectable Gallbladder Cancer: A Retrospective Study
2. Panel discussion, IHPBA, JAIPUR: Controversies in carcinoma gall bladder
3. E-Poster , IHPBA , JAIPUR: Bi-Segmentectomy Versus Wedge Hepatic Resection In Patients With Resectable Gallbladder Cancer: A Retrospective Study
4. Invited as Guest Faculty in FALS Colorectal 2019, Ahmedabad
5. Invited as Guest Faculty in ASICON , BBSR

Dr SS Saluja
1. IHPBA, Jaipur: CBDdilatation inElderly
2. 35th Annual conference Northern State chapter ASI ASICON, PGIMER Chandigarh: Grading of surgical publications
3. 35th Annual conference Northern State chapter ASI ASICON, PGIMER Chandigarh: Management of post esophagectomy chyle leak
4. CME on World Cancer Day, Delhi state cancer Institute, Delhi: Approach to Liver SOL: Surgeons Perspective
5. Oral presentation, IASGCON, AIIMS, Delhi: Prospective Randomized controlled trial comparing Adjuvant chemotherapy vs No chemotherapy for patients with carcinoma of gall bladder undergoing curative resection
6. Panel Discussion, IASGCON, AIIMS, Delhi: Chronic pancreatitis
6. MAMC Surgery UPDATE: Approach to a patient of jaundice

External Examiner:
1.AIIMS, Delhi[JUNE, DEC]
2. JIPMER, PUDUCHERRY[JUNE]
3. PGIMER, CHANDIGARH[OCT]
4. IPGMER, KOLKATA

Dr Amit Javed
Awards:
1. Best Poster award-IASGCON2019, Delhi: Laparoscopic management of benign biliary stricture
2. Award paper and Travel Grant: A-PHPBA 2019, KOREA

Lectures

1. CME on HPB Surgery : Current Trends, Army Hospital research and Referral-CDC: Laparoscopic Excision and RYHJ
2. 35th Annual conference Northern State chapter ASI ASICON, PGIMER Chandigarh: Recognition and management of esophageal conduit leaks
3. SURGICON AIIMS, DELHI: Lap Low Anterior Resection
4. SURGICON, DDU Hospital: Bilio-enteric anastomosis
5. CME , GTB Hospital: Laparoscopic suturing principles and techniques

Posters

1. IASGCON, AIIMS, DELHI: Lap management of BBS
2. IASGCON , AIIMS , DELHI: Laparoscopic redoRYHJ
3. IASGCON, AIIMS, DELHI, Lap CDC EXCISION, Hepaticoduodenostomy vs Hepaticojejunostomy
4. IASGCON, AIIMS , DELHI: Laparoscopic radical cholecystectomy with adjacent visceral resection
5. IASGCON , AIIMS, DELHI: Outcomes of laparoscopic surgery for corrosive stricture of the esophagus
6. IASGCON, AIIMS, DELHI: Laparoscopic management of chronic pancreatitis
7. IASGCON, AIIMS, DELHI: Hydatid cyst of pancreas; A diagnostic dilemma
8. IASGCON, AIIMS, DELHI: Pancreatic reconstruction using a "Double U stich pancreaticogastrostomy" following
   Laparoscopic Whipple's Pancreaticoduodenectomy

12. Fellowship:

13. Health services to the community:

Health center activities/camps/drives/national programmes

14.Lab data: a) Name of lab:

b)Name and no of test performed:

a)Total No of OT cases performed: 1485

b) Total Routine cases : 1314

c) Total emergency cases: 171

c)percentage of growth compared to last year:

15. New facilities added:

16: Any worth mentioning information:

MICROBIOLOGY
GIPMER

Name of the Department: Microbiology Department

1. **Faculty :**
   1. Director Professor and Head: Dr Archana Thakur, MD
   2. Director Professor: Dr Poonam Sood Loomba, MD
   3. Assistant Professor: Dr Abha Sharma, MD

2. **Members who left during the period**: Dr Bibhabati Mishra, Director Professor; reason for leaving- retired in September 2019

3. **Addition to the faculty during the period**: Nil

4. **Research scheme:**
   Ongoing projects-One MD (Microbiology) thesis. **Dr Archana Thakur, Dr Poonam Sood.**
   Details of thesis completed during current year: - One PhD Thesis from SGT University, Gurugram. **Dr Bibhabati Mishra.**

5. **Trainees from other agencies**: Practical training of medical lab technology in microbiology to trainees from Meerabai institute of technology, maharani bagh New Delhi- 15 trainees for three weeks in April-May and October - November 2019.

6. **Training course/conference/workshop organized**: Two MD Microbiology seats sanctioned by MCI to the department. One PG student joined for MD Microbiology training.

7. **Publications during the period**:

1 Chandak RJ, Mishra B, Loomba PS, Sharma A, Bajaj A, Thakur A. Point prevalence study for antifungal usage in ICU of a tertiary care hospital-A pilot study. Ind J Basic and Applied Med Research Dec 2018;8(1):336-345

2 Sharma A, Mishra B, Dogra V, Thakur A and Loomba PS. Knowledge on handling of HIV and HBV patients and occupational post-exposure prophylaxis against HIV and HBV: effectiveness of training program for nurses. J of nursing and care 2019;8(1): 1-4.

3 Bajaj A, Mishra B, Loomba PS, Thakur A, Sharma A, Rathod P et al. Prevalence of Gram negative septicemia in a tertiary care center. J of med sciences and health 2019;5(1):36-41.

4 Rathod PG, Mishra B, Thakur A, Sharma A, Loomba PS, Bajaj A et al. Intestinal parasitic infection in patients attending a tertiary care center. Tropical J Pathol Micro 2019; 5(7):412-418.

5 Sharma A, Thakur A, Mishra B and Loomba PS. Bacteriological profile of environmental surface samples of high risk areas: significance in the Indian setting. Indian J health sciences care 2019;6(2):54-58.

6 Tiwari G, Mishra B, Dogra V and Arora DR. Role of biofilm production in bacteria isolate from device related and non-device related infection in a tertiary care hospital. Int J of curr microbial and applied sciences 2019;8(1):2454-2464.

7 Bajaj A, Thakur A, Mishra B, Loomba PS, Dogra V, Chandak RJ et al. Multidrug resistant bacteria causing biliary tract infection . A tertiary care center study from north India. Saudi J of pathology and Microbiology 2019;4(3):245-249.

8. **Books/chapters contributed**:
   Dr Poonam Loomba: published jeevanu times , official newsletter of IAMM Delhi Chapter.

9. **Conferences/ workshops/symposiums attended**:
   - Workshop in Medical education technologies, MAMC 13th-15th March 2019-attended by **Dr Ashna Bhasin**
   - IAMM Delhi Chapter at MAX Saket on 6.4.19- attended by **Dr Abha Sharma, Dr Poonam Loomba, Dr Bibhabati Mishra, Dr Madhusmita Das, Dr Ashna Bhasin.**

- National workshop on hospital waste management , environment and occupational safety at IIC, Max Mueller marg on 25th-26th April 2019- attended by **Dr Abha Sharma.**
- IAMM Delhi chapter at Ganga Ram Hospital on 20th July 2019- attended by **Dr B mishra, Dr Poonam Loomba, Dr Ashish, Dr Ashna and Dr Prachla.**
- 11TH Annual conference of IAMM-Delhi chapter at IHC, New Delhi on 2.11.19 – attended by **Dr Poonam sood, D Abha Sharma, Dr Prachla, Dr Ashna, Dr Ashish and Dr Madhusmita, Dr Vikas**.
- National workshop on viral hepatitis testing- discovering the challenges on 5.11.19- attended by **Dr Abha Sharma and Dr Ashna Bhasin**
- Stateholders workshop to develop strategic action plan to combat antimicrobial resistance in delhi on 24-25 august 2019-attended by **Dr Poonam Loomba.**
- Poster presented on ' Candida biofilm production' on 6/4/19 at IAMM Delhi Chapter , Max saket.- **Madhusmita Das, Abha Sharma, B Mishra, A Thakur, Poonam Loomba, A bajaj, Ashna Bhasin.**
- Poster presented on ' MRSA as uropathogen: IPD Vs OPD' st IAMM Delhi chapter on 6/4/19- **Ashna Bhasin, Abha Sharma, B Mishra, A Thakur, Poonam Loomba, A bajaj and Madhusmita Das.**
- Poster presented on ' Tigecycline susceptibility of respiratory tract isolates in tertiary care center'- **A bajaj, B Mishra, A Thakur, Poonam Loomba, Abha Sharma, Madhusmita Das and Ashna Bhasin**.
- Poster on ' keratomycosis caused by scedosporium' at IAMM Delhi chapter 20/7/19 - **A bajaj, B Mishra, P loomba, A Sharma.**
- Poster on ' rising trend of serratia species in ICU of a tertiary care hospital' at MICRO-D-CON 2019 on 2/11/19- **Madhusmita Das, Poonam Loomba, A Thakur, B Mishra, A Sharma, A bajaj, Prachla, Ashna.**
- Poster presented on 'demonstration of amoebic trophozoites in colonic biopsy:a diagnostic stewardship initiative for amoebiasis' on 2/11/19 – **A bajaj, Abha Sharma, B Mishra, A thakur, Poonam Loomba, Prachla, Madhusmita das.**
- Poster on ' comparative evaluation of VITEK 2 and rapid polymyxins nordmann-poirel test for colistin resistance in E coli and Klebsiella pneumoniae' at IHC, MICRO-D-CON 2019 on 2/11/19. – **Ashna Bhasin, Poonam Loomba, A thakur, B Mishra, A Sharma, A bajaj, Prachla and Madhusmita**.
- RBCW in medical education 13-16 feb 2019.-**Dr Poonam Loomba.**
- Contact program for PGDM-executive hospital management conducted by NIHFW ON 25-29 Nov 2019.- attended by **Dr Prachla Rathod, SR.**

10. Visitors : Nil

11. Significant events (honor to faculty):

1. Dr Archana Thakur-

NABH assessor
NABL Technical assessor, Lead assessor and expert member
MCI Inspector
Technical Expert for Procurement of Microbiology kits for NACO, at Rites
Expert for Hospital Biomedical waste management and infection control Sectional Committee MHD21 of Bureau of Indian Standards.

2. Dr Bibhabati Mishra-

Evaluation of microbiology MD thesis of AIIMS New Dehi
Evaluation of microbiology MD thesis of AIIMS Rishikesh.
MD thesis evaluator at Sri guru govind singh university
PhD thesis evaluator in microbiology at Jaipur National University.
External examiner for II MBBS at Dr BSA Medical college, New Delhi on 2/1/19.
Question paper setter for DNB(entry level and exit level) microbiology at National board of examiners.
Question paper setter II MBBS (suppl) at AIIMS New Delhi.
External examiner for II MBBS (suppl) at Dr BSA Medical College NEW DELHI on 26/3/19.
Selection committee expert for assistant professor in VMMC and safdarjung hospital on 29/3/19.

3. Dr Poonam Sood Loomba-

Awarded FAIMER fellowship in medical education

Resource person for 'hands on training workshop on WHONET in Krishna Institute of medical sciences, Karad.
External examinerfor II MBBS (suppl) at Faridkot on 29/5/19.
Faculty speaker in CME cum workshop on 'CBME: Concepts and application' on 29-30th April 2019.
Resource person and speaker at 51rst mini workshop for SR at MAMC on medical education technologies.
MCI observer for CISP workshop at Kalpana Chawla Medical College 9-11th May 2019.
MCI observer for RBCW at Santosh Medical College 22-26th July 2019.
External examiner for II MBBS (SUPPL) at VMMC on 26/3/19.
PG Practical examiner at SIMS Hapur on 11-12 dec 2019.
Panelist 'BMW RULES: challenges in implementation' at 43rd MICROCON, Mumbai.
Poster judge at MICROCON, Mumbai.

4. Lectures taken –

Speaker 'breaking the chain of transmission' at certificate course in infection prevention and control for nurses at MAMC on 8/7/19. **Dr Poonam Loomba**
Speaker in RBCW at MAMC for RML faculty on 27-31 july 2019.**Dr Poonam Loomba**
Speaker at all CISP workshops at MAMC. **Dr Poonam Loomba**
'Ethics in Research' in orientation program on law , technology and development at Delhi Judicial Academy on 6/9/19.- **Dr Poonam Loomba.**
'Infection control' at training on infection control under national quality assurance program at DHS on 11/9/19.- **Dr Ponam Loomba**.
Speaker 'Induction program for PGs' at GIPMER on 18/8/19.**Dr Poonam Loomba**
Lecture on 'communication skills and ethics' at white coat ceremony dental college Jamia Milia Islamia on 16th October 2019.**Dr Poonam Loomba**
Speaker 'Post exposure prophylaxis of HBV/HCV' at national workshop on viral hepatitis testing at ILBS on 5/11/19.**Dr Poonam Loomba**
Speaker at BCW, MAMC on 3-6th Dec 2019.**Dr Poonam Loomba**
Lecture on 'Biomedical waste management rules 2018' for neurosurgery nurses at IHC, Delhi in DNACON 2019 on 2/2/19 by **Dr Abha Sharma**

12. Fellowship: Completed FAIMER fellowship at CMC Ludhiana **:** Dr. Poonam S. Loomba

13Representationon expert committee/bodies-

Dr Archana Thakur-

Technical Expert for Procurement of Microbiology kits for NACO, at Rites
Expert for Hospital Biomedical waste management and infection control Sectional Committee MHD21 of Bureau of Indian Standards.

Dr Poonam Sood Loomba-

Executive member IAMM
Resource person for four MCI Revised basic course workshops in Department of Medical Education, MAMC every quarter
Resource person for three capsule courses for Senior Residents in Department of Medical Education in MAMC.
Resource person for NTTC workshop in MAMC
Faculty, Medical Education Department, MAMC.
Member hospital equipment maintenance committee.
Chairperson, Kitchen and cafeteria committee
External expert for SR Interview at BSAMCH, Delhi
MCI Observer for Medical Education/CISP program in various medical colleges
Member physical verification committee of GIPMER
External expert for procurement of instruments for sport center VMMC.
Member technical committee for state action plan on AMC.

Member technical evaluation committee for lab services of mohalla clinics.
Expert technical committee for PCR at Janakpuri superspeciality hospital.

Expert in the selection committee of Janak puri super speciality hospital for the post of Assist prof and specialist Microbiology in December 2019.
Member advisory committee NML at Nirman bhavan.

Dr Bibhabati Mishra-

Technical expert in Microbiology in core accreditation committee of NABL

D Abha Sharma-

Member Hospital GEM committee (chemical store)
Member HICC (Hospital infection control Incharge)

Health services to the community –

Health centre activities /camps/drives/national programme etc

Hepatitis B vaccination of all health care workers of the Hospital

Lab Data-

Name of the lab: Microbiology

Name and No. of tests performed: given below

Total number of tests performed in the year 2019 = 504485

Total samples received	17058
Biochemical tests	80100
Culture plates	20843
Swabs	37900
Tubes prepared	39000
Gram stain and direct microscopy	16800
Antimicrobial assay	19110
Automated identification by VITEK for GPC and GNR	3342
Automated sensitivity by VITEK for GPC and GNR	3342
Media prepared	84381
AFB Smear	1660
Total	306478
Research work	24000

MYCOLOGY	
Total sample received	990
Direct microscopy	990
Gram staining	990
Culture	1980
Biochemical tests	600
Lacto phenol cotton blue staining	90
India ink preparation	810
KOH preparation	180
Total	5640

SEROLOGY	
ASO	8420
CRP	9200
WIDAL	76
RF	3120
VDRL	674
MP	246
AMOEBIC SEROLOGY	416
HYDATID SEROLOGY	408
ANA-ELISA	2880

ANA-LIA	456
LATEX FOR CRYPTOCOCCAL ANTIGEN	317
DENGUE-IgM DENGUE NS1 antigen	936 60
HIV I & II	34752
TYPHIDOT	840
CHIKUNGUNYA	468
TOTAL	63269

HOSPITAL INFECTION	
Sterility testing of blood bank samples	600
Sterility testing of IV fluids, syringes, needles, sheets, drapes, gowns, gloves etc.	142
Biochemicals	3600
Water bacteriology	2400
Biological indicator testing	00
Settle plates	142
Environmental swabs	392
Total	7276

Samples collected and processed in emergency laboratory

HIV rapid test	25909
HBsAg	25909
HCV	25909
CRP	Nil
ASO	Nil
Culture	510
Total	78237

New facilities added:

Lyophilisation of bacterial strains – 300

Internal quality control –

4. Gram stain-3400
5. Culture of standard strains-5600
6. Biochemicals-8000
7. Antimicrobial sensitivity-2200
8. TB culture MGIT- 85
9. Total: 19585

NEUROLOGY
GIPMER

NAME OF HEAD OF DEPARTMENT: Dr. Debashish Chowdhury

Faculty

S. No	Name of the faculty	Designation
•	Dr Debashish Chowdhury	Director-Professor and Head
•	Dr Geeta A. Khwaja	Director- Professor
•	Dr Sanjay Pandey	Professor
•	Dr Ashish Duggal	Assistant Professor
•	Dr Arun Koul	Assistant Professor
•	Dr Sujata Roshan	Assistant Professor
•	Dr Swapan Gupta	Assistant Professor

MEMBERS WHO HAVE LEFT during the period:

S. No	Name of the faculty	Designation	Reason for leaving the job
1	Dr Anu Gupta	Assistant Professor	Transferred to Safdarjung Hospital, New Delhi

ADDITIONS TO THE FACULTY during the period: None

S. No	Name of the faculty	Designation
	-	-

RESEARCH SCHEME
ONGOING PROJECTS

Dr Debashish Chowdhury

Principal investigator in "A 12-week double-blind, randomized, multi-center study comparing the efficacy and safety of once monthly subcutaneous AMG 334 against placebo in adult episodic migraine patients (EMPOwER)"
Principal investigator in "The burden attributable to headache disorders in the general population: A community-based survey in National Capital Region".
PI in Protocol 15Q – MC – CGAX A phase 3, randomized double blind placebo-controlled study of the efficacy and safety of Galcanezumab in patients with episodic migraine.
PI in Protocol H8H – MC – LAIJ(a) Randomized Controlled Trial of Lasmiditan over four migraine attacks).
PI in Hospital based stroke registryunder ICMR.

Dr Sanjay Pandey

The Indian Movement Disorder Registry and Biobank: Clinical and genetic evaluation of movement disorders in Indian patients (DBT Funded)
Indian Collaborative Research Network on Wilson's Disease (iCROWD): Integrative Analysis of Wilson's Disease, understanding molecular genetics towards better diagnosis and therapy (Funded by CSIR)

Dr. Ashish Kumar Duggal

1. Co – investigator in Clinical trial titled "A 12-week double-blind, randomized, multi-center study comparing the efficacy and safety of once monthly subcutaneous AMG 334 against placebo in adult episodic migraine patients (EMPOwER).
2. Co – investigator in "The burden attributable to headache disorders in the general population: A community-based survey in National Capital Region".
3. Co – investigator in Protocol 15Q – MC – CGAX A phase 3, randomized double blind placebo-controlled study of the efficacy and safety of Galcanezumab in patients with episodic migraine.
4. Co – investigator in Protocol H8H – MC – LAIJ(a) Randomized Controlled Trial of Lasmiditan over four migraine attacks).
5. Co – investigator in Hospital based stroke registry being conducted by ICMR.

DETAILS OF THESIS COMPLETED DURING CURRENT YEAR

Dr Debashish Chowdhury

As Supervisor:

A Study of Preventive Efficacy of Greater Occipital Nerve Block in Chronic Migraine:
Assessment of Attention, Vigilance And Executive Functions In Migraine

Dr Geeta Khwaja:

As Supervisor

A study of Quality of life and Psychiatric comorbidities in patients with Juvenile Myoclonic epilepsy

Dr. Sanjay Pandey

Supervisor:

Drug induced Movement Disorder.
A comparative study of cognitive profile of early and late onset Parkinson disease patients

TRAINEES FROM OTHER AGENCIES: None

S. No	Name of the trainees	Sponsoring agencies	Period of training
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TRAINING COURSE/CONFERENCES/WORKSHOP ORGANIZED

Dr Debashish Chowdhury

EEG Workshop (½day symposium) by US faculty at GIPMER on 31.5.19
MS Day Symposium (½ day symposium) by National faculty on 31.5.19
Migraine day celebration as a part of World Brain day on 22nd July, 2019
Course director of EPIQUEST (an international speaker program on Epilepsy) on 9.2.19
Course director of a "Headache symposium" in Jalandhar organized by IMA Jalandhar on 31st March, 2019
Course director of National Headache symposium organized by Asian Society of Continuing medical education and Headache Subsection of Indian Academy of Neurology, on 6th and 7th April, Kolkata

PUBLICATIONS DURING THE PERIOD:

Articles Published

- Jost WH, Tatu L, Pandey S, Sławek J, Drużdż A, Biering-Sørensen B, Altmann CF, Kreisler A. Frequency of different subtypes of cervical dystonia: a prospective multicenter study according to Col-Cap concept. J Neural Transm (Vienna). 2019 Dec 11.
- Pandey S, Bhattad S. Questionable Dystonia in Essential Tremor Plus: A Video-Based Assessment of 19 Patients. Mov Disord Clin Pract. 2019 Oct 23;6(8):722-723.
- Sharma S, Pandey S. Treatment of essential tremor: current status. Postgrad Med J. 2019 Oct 1. pii: postgradmedj-2019-136647.
- GUaRDIAN Consortium, Sivasubbu S, Scaria V. Genomics of rare genetic diseases-experiences from India. Hum Genomics. 2019 Sep 25;14(1):52.
- Pandey S, Tomar LR, Kumar S, Dinesh S, Thelma BK. Expanding the canvas of PRKN mutations in familial and early-onset Parkinson disease. Parkinsonism Relat Disord. 2019 Aug 9.
- Chouksey A, Pandey S. Functional movement disorders in elderly. Tremor Other Hyperkinet Mov. 2019; 9. doi: 10.7916/tohm.v0.691
- Panda AK, Pandey S. Identifying risk factors for restless leg syndrome. Neurol India. 2019 May-Jun;67(3):660-661.
- Chouksey A, Pandey S, Hallett M. Dancing Dorsal Quadrilaterals-Organic or Functional? JAMA Neurol. 2019 Jul 1.
- Anukirthiga B, Mishra D, Pandey S, Juneja M, Sharma N. Prevalence of Epilepsy and Inter-Ictal Epileptiform Discharges in Children with Autism and Attention-Deficit Hyperactivity Disorder. Indian J Pediatr. 2019 May 24.
- Pandey S, Dash D. Progress in Pharmacological and Surgical Management of Tourette Syndrome and Other Chronic Tic Disorders. Neurologist. 2019 May;24(3):93-108.

- Pandey, S. and Shukla, T. (2019), Stereotypy in neuroleptic malignant syndrome. Mov Disord Clin Pract. Accepted Author Manuscript. Doi:10.1002/mdc3.12770
- Panda AK, Pandey S. Visual perceptual abnormalities in Parkinson's disease. Neurol India. 2019 Jan-Feb;67(1):53-55.
- Pandey Sanjay, Sankhla S Charulata, Ramprasad L Vedam, Geetha S Thenral. Novel *GNAL* mutation in an Indian patient with generalized dystonia and response to deep brain stimulation. Parkinsonism & Related Disorders. Online since 14th January 2019.
- Pandey S, Tater P. Post-Stroke Lingual Dystonia: Clinical Description and Neuroimaging Findings. Tremor Other Hyperkinet Mov (N Y). 2019 Jan 8;8:610. doi: 10.7916/D8RB8NJC. eCollection 2018.
- Dash D, Pandey S. Movement disorders associated with neuronal antibodies. Acta Neurol Scand. 2019 Feb;139(2):106-117.
- Bhattad S, Pandey S. Sensory tricks. Ann Mov Disord 2019; 2:98-101.
- Panda AK, Pandey S. Identifying risk factors for restless leg syndrome. Neurol India 2019;67: 660-1.
- Panda AK, Pandey S. Visual perceptual abnormalities in Parkinson's disease. Neurol India 2019; 67:53-5.
- Chouksey A, Pandey S. Poststroke movement disorders: One etiology many phenotypes. Ann Mov Disord 2019; 2:37-8.
- Sarma N, Pandey S. Dystonic tremor: Definition, clinical spectrum, pathophysiology, and treatment. Ann Mov Disord 2018;1 :2-7.

BOOKS/CHAPTERS CONTRIBUTED:

Duggal A, Chowdhury D. Evaluation and overview of treatment in Acute Ischemic stroke and secondary prevention in Reviews in Neurology 2019 (Stroke). Edited by Lakshmi Narasimhan Ranganathan. Published by Indian Academy of Neurology, October 2019, pp 169-181, Wolters Kluwer (India) , New Delhi

Editorial:

Dr Debashish Chowdhury

- Editor for Position Paper on Propranolol in Migraine Prevention. Published by Theime (in association with Indian Academy of Neurology), Delhi 2019.
- Section Editor of "Headache" in "A Clinician's Approach to Neurological Disorders – Indian Experience. Editor-in-chief: Ashok Panagariya; Published by Springer healthcare, New Delhi, 2019

CONFERENCES/ WORKSHOPS / SYMPOSIUMS ATTENDED:

Dr Debashish Chowdhuryattended the following conferences/workshops/symposium:

- Delivered a lecture during Annual Conference of DNA on "Chronic Migraine: An Update" and chaired a session on 2nd February, 2019.
- Delivered a talk "Epilepsy and Marriage" at Indian Spinal Injury Centre on 11th February, 2019
- Delivered a talk "Debate on: Do you have a first among the equals in the preventive treatment of Migraine? For the motion" during Controversies in Neurology at Goa on 16th February, 2019
- Chaired a session during Annual meeting of Movement Disorder Society of India , New Delhi on 22nd February, 2019
- Delivered a talk during Epiquest, New Delhi on "Dostoevsky's epilepsy" on 9th March, 2019
- Delivered a talk "CPC" during Medicine Update, MAMC on 10th March, 2019
- Delivered a talk "Trigeminal Autonomic Cephalalgia" during a symposium on Headache organized by Amrita Institute of Medical sciences on 15th March, 2019 at New Delhi
- Delivered a talk "Trigeminal Autonomic Cephalalgia part II" during a symposium on Headache organized by Amrita Institute of Medical sciences on 16th March, 2019 at Kochi,
- Delivered a talk "Trigeminal Autonomic Cephalalgia" during Headache symposium in Jalandhar organized by IMA Jalandhar on 31st March, 2019
- Delivered a talk "Monoclonal antibodies in Migraine" during National Headache symposium organized by Asian Society of Continuing medical education and Headache Subsection of Indian Academy of Neurology on 6th April, 2019

- Delivered a talk "Mini CPC" during National Headache symposium organized by Asian Society of Continuing medical education and Headache Subsection of Indian Academy of Neurology on 6th April, 2019
- Delivered a talk " Newer advances in Headache" at AIIMS PGI meet at PGI Chandigarh, 0n 12th April, 2019
- Delivered a talk "Treatment of Migraine" during Annual Conference of Delhi Ophthalmological Society, New Delhi on 14th April, 2019.
- Delivered a talk on "Interesting cases of Movement Disorders" during Neuroscience Conference at Fortis Hospital, NOIDA on 26th April, 2019.
- Delivered a talk on "Trigeminal Autonomic Cephalalgia" in the Annual Conference of IMA, Calicut on 28th April, 2019
- Delivered a talk on "Trigeminal Autonomic Cephalalgia" during Neuroconnect, Gauhati on 19th May, 2019
- Delivered a talk on " Challenges in the diagnosis of Optic Neuropathy" during MS Day Symposium, GIPMER on 31.5.19
- Delivered a public lecture on "Pathophysiology of Migraine during Migraine Day Celebrations at Indian Spinal Injury Centre on 22nd July, 2019
- Moderated and participated in Public Awareness Program on Migraine on 22nd July, 2019 at GIPMER.
- Delivered a talk on "Approach to Optic Neuritis" during ICTRIMS, Kolkata on 16th August, 2019
- Delivered a talk on "More than Just Headache: learning from Complex cases" during World Neurosciences Summit organized by Medanta in Delhi on 24th August, 2019
- Delivered a talk on " Recent Advances in Migraine" during World Brain day celebrations at RML Institute , Lucknow on 21st September, 2019
- Delivered a talk (webinar) on "Dual anti-platelets and Statins in Ischemic stroke" during World Heart Day on 29th September, 2019
- Delivered a talk during Annual Conference of API (West Bengal Chapter)and 3rd Conference of Global Cardio Diabetes Conclave (GCDC) on ""Not just headache : understanding and treating migraine in 2020"" on 19th October, 2019
- Delivered a talk on "Difficult cases of Headache " during the Annual Conference of Association of Eastern India Neuroscientists" on 9th November, 2019 at Jamshedpur
- Delivered a talk on "Pediatric Migraine" on 23rd November, organized by Department of Pediatrics, MAMC.

Dr Sanjay Pandeyattended the following conferences/workshops/symposium:

- **Nice, France, September 2019** Post stroke dystonia and dystonic tremor: Clinical features and neuroimaging findings: S Pandey, P Tater. Mov Dis J 2019
- Hannover, Germany, May 2019 Botulinum toxin therapy in India
- Movement disorder society of India (MDSICON 2019) annual conference,
- Indian academy of Neurology conference 2019
- Neurological society of India conference 2019

Dr Ashish Duggalattended the following conferences/workshops/symposium:

- Organized Quiz in DNACON 2019
- Presented a lecture ion Greater Occipital Nerve Block in Headache Disorders. "National Headache Symposium 2019" Kolkata
- Presented a lecture on Parkinson Disease: Diagnosis and Management at GMC Kannauj in Neurology – How I learned on 4th May 2019
- Presented a lecture on Ethics in Headache Medicine at Neuroconnect" at Guwahati, Assam, India on 19th May 2019.
- Presented a lecture on Higher Mental Function assessment at NSI workshop at GIPMER, New Delhi on 28th September 2019.
- Presented a lecture on Approach to Headache at Medicine Update organized by Max Hospital, Vaishali in October 2019.

Dr Swapan Gupta attended the following conferences/workshops/symposium:

- Participated as Faculty and delivered lecture at 27th Annual conference of Indian Academy of Neurology, Hyderabad
- Participated as Faculty and delivered lecture at 21st Annual conference of Delhi neurological association, Delhi
- Participated as Faculty and delivered lecture at KIMS-EEG workshop, Hyderabad
- Participated as Faculty and delivered lecture at Paediatric epilepsy workshop 2019, Hyderabad
- Participated as Faculty and delivered lecture at Annual meeting of 5TH National epilepsy surgery support activity network (NESSAN), Delhi

Dr Sujata Roshan attended the following conferences/workshops/symposium:

- Dystonia Skills workshop: Presented a case
- Presented a lecture on Higher Mental Function assessment at NSI workshop at GIPMER, New Delhi on 28th September 201
- MAMC Paediatric practical capsule course Dec 2019 (Delhi): Participated as faculty and delivered a lecture
- Indian Neurorehabilitation Conference in Occupational Therapy: Participated as faculty and delivered a lecture

Dr Arun Koul attended the following conferences/workshops/symposium:

- DNACON February 2019 (Delhi): Participated as faculty and delivered a lecture
- AIOTA March 2019 (Delhi): Participated as faculty and delivered a lecture
- National Headache Symposium April 2019 (Kolkata): Participated as quiz master
- National Conference on Neurology, How I learned: May 2019 (Kannauj) : Participated as faculty and delivered a lecture
- CME on Infection and Epilepsy Nov 2019 (Delhi): Participated as faculty and presented a case
- MAMC Paediatric practical capsule course Dec 2019 (Delhi): Participated as faculty and delivered a lecture

VISITORS:

- Prof Tim Steiner from UK visited the department and analyzed the results of Headache Burden study
- Prof Simon Hawke from Australia visited the department and gave a lecture on Treatment of MS
- Dr Madhav Suri from US conducted a mini EEG workshop on 31.5.19
- Dr Rebecca Clark from US conducted a mini EEG workshop on 31.5.19

SIGNIFICANT EVENTS (HONORS TO FACULTY):

Dr Debashish Chowdhury

- Awarded **" State Award"** given by the Government of NCT of Delhi for the meritorious services in the field of health care (Neurology) , 18th February, 2019
- External examiner-ship for DM (Neurology) at Mumbai, Kolkata, Srinagar
- Expert member on stroke at ICMR-NCDIR
- PhD thesis evaluator at PGI Chandigarh

Dr Sanjay Pandey

Received travel grant to attend MDS International conference at Nice.

Dr Swapan Gupta

- Awarded bursary and training in 17th International Course on Epilepsy: Brain Exploration and epilepsy surgery-4: Epilepsy surgery at Paediatric age at San Servolo, Venice, Italy
- Awarded Indian Academy of Neurology (IAN) Travel Fellowship 2019

FELLOWSHIP: None

REPRESENTATION ON EXPERT COMMITTEE / BODIES

Dr Debashish Chowdhury

- General Secretary of Delhi Neurological Association
- Member of EC of Indian Academy of Neurology
- Convener, Headache Subsection, Indian Academy of Neurology
- Expert member on Stroke, ICMR
- Expert member of SEC (Neurology and Psychiatry) at DCGI
- Expert member of Delhi Medical Council
- Inspector of MCI
- External expert in UPSC
- Theory paper evaluator and Moderator for question setting at AIIMS, JIPMER and DNB
- Only Indian member of the prestigious "CGRP Forum on Education and Research", UK.

Dr Sanjay Pandey

- Selected as "Dystonia task force" member of International Parkinson and movement disorder society
- Selected as "Stiff person task force" member of International Parkinson and movement disorder society

HEALTH SERVICES TO THE COMMUNITY:

Dr Debashish Chowdhury

- Talk in DD on "Heart and Brain Attack"9th April, 2019
- Talk in DD (Good Evening India) on"Migraine" on 23rd July, 2019
- Talk in DD Kisan on "Mental Illness" on 3rd August, 2019
- Talk in DD News (Total Health) on22nd September on Alzheimer's Disease, 2019
- All India Radio Interview on Facial Palsy on 28th November, 2019
- Talk on DD National (Arogya Bharat) on Neurological diseases in Elderly on 9th December, 2019

Dr Swapan Gupta

- 2-day comprehensive training in epilepsy of around 500 staff members including Medical officers, nurses, caretakers at Asha Kiran complex, home for mentally challenged persons, Rohini, Delhi under the Department of Social welfare, Govt. of NCT of Delhi.

LAB DATA: Neuroeloectrophysiology lab data

	Routine Lab				ICU-6	EMU	
Month	**NCV**	**EMG**	**EP**	**EEG**	**PSG**	**LTM**	**STM**
January	214	31	35	147	07	06	125
February	194	27	37	145	10	07	164
March	202	23	30	159	13	09	145
April	188	20	24	170	12	08	152
May	195	35	37	155	01	07	124
June	183	09	27	143	08	08	104
July	199	26	38	180	10	07	128
August	173	35	27	157	12	05	128
September	204	37	34	174	13	05	110
October	173	24	31	179	15	05	81
November	184	35	29	186	17	07	58
December	165	39	26	217	21	07	150
Total	**2274**	**341**	**375**	**2012**	**139**	**81**	**1469**

- **NEW FACILITIES ADDED:** Neurophysiology lab has been upgraded and relocated
- **ANY OTHER INFORMATION WORTH MENTIONING:** None

NEUROSURGERY
GIPMER

Head of Department: Dr. Daljit Singh

1. FACULTY

Dr. Daljit Singh	Director- Professor and Head
Dr. Arvind K Srivastava	Director- Professor
Dr. Anita Jagetia	Professor
Dr. Hukum Singh	Professor
Dr Wajid Nazir	Associate Professor
Dr Ghan Shyam Das Singhal	Associate Professor
Dr Shaam Bodeliwala	Assistant Professor

2. PROMOTIONS :- Dr Wajid Nazir and Dr Ghan Shyam Das Singhal promoted to Associate Professor

3. RESEARCH SCHEME

Thesis completed:

- Assesment of surgical outcome in suboccipital approach for patients with tumors in pineal region.
- Assesment of surgical outcome of clipping of intracranial aneurysms.
- Study of factors predicting outcome in IDEM spinal cord tumors.
- Morphometric study of bony and vascular structures in CVJ anomaly.
- To study serum GFAP as a diagnostic and prognostic marker in patients of glioma.

On going projects

Thesis projects:

- Factors affecting surgical outcome in trigeminal neuralgia following MVD
- Assessment of neurocognitive functions in gliomas
- Role of electrophysiological monitoring in brain tumours
- Functional and surgical outcome study in cerebral aneurysms
- Factors affecting outcome in NPH treated with programmable shunt
- Study of validation of ACS-NCQIP score in geriatric patients undergoing neurosurgery
- Role of PDGF receptors in different grades of glioma with department of Biochemistry, MRU, MAMC, Delhi

Other projects:

1 Inter-departmental meetings with various departments of Maulana Azad, GNEC, GIPMER.
2 Alumni Interactive educational activity : Dr RC Mishr and Dr RLS Sengar

4. TRAINING FROM OTHER AGENCIES

- Dr Shaam Bodeliwala visited Yonsei University Health system in Seoul, South Korea for Neurointervention December 2019

5. CONFERENCE ORGANISED

- Annual DNA Conference in Februrary 2019
- 17th NSI Teaching course in October 2019
- Workshop on
- Various drills and drilling techniques in cranial and spinal surgeries by Medtronic.
- Microvascular anastomosis hands on workshop by johnsons & johnsons.

6. AWARDS

- 1st Prize Neuroquiz DNA con (2019) Dr Prashank, Dr Vikrant
- 1st Prize in Award paper DNA con (2019) “Changes in Cerebralhemodynamics and clinical outcome in patients of de-compressive craniectomy undergoing cranioplasty” Dr Vikrant.

- First prize in Quiz in skull base CME under aegis of SBSSI (Skull base surgery society of India) in August 2019 at AIIMS Rishikesh Dr Ritu.
- 2nd Prize in Award paper DNA con (2019) "Role of retinal nerve fiber layer thickness in assessing post operative recovery of visual function in patients of pituitary adenoma" Dr Prashank.
- 2nd Prize in poster presentation DNA con (2019) "Intraprocedural rupture of cerebral aneurysm : effect of location on outcome" Dr Prashank.
- 2nd Prize Quiz in DNAcon Feb. 2019 Dr Nidhi.
- 3rd prize in poster presentation at SKULL BASECON 2019 " Morphometric analysis of C1 lateral mass in CVJ anomalies in relation to placement of lateral mass screws" Dr Ritu.
- 3rd prize in award paper presentation at SKULL BASECON 2019 "Post auricular presigmoid approach transpetrous approach for CP angle tumour" Dr Shaam

7. PAPER PUBLISHED / UNDER REVIEW

- Dr Shaam Bodeliwala - Pattern of pulmonary dysfuctions in craniovertebral junction anamoly & its persistence after rigid occipito cervical fixations. (IJNS under review).
- Evaluation of ischemia following clipping of anterior circulation aneurysms in respect to temporary clipping using diffusion weighted magnetic resonance imaging. A prospective study. (Indian journal of Neurosurgery)
- Dr Vikrant – Changes in Cerebral hemodynamics and clinical outcome in patients of de-compressive craniectomy undergoing cranioplasty (Neurology india – under review 2019)
- Dr Amit Sharma - Dual Micro catheter technique in regular wide neck aneurysm (Neurology India – under review)
- Rare case of peri-ventricular germinoma with sub-ependymal dissemination (journal of clinical Neuroscience – under review)
- Kissing Aneurysm of ICA (journal of clinical Neuroscience – under review)
- Dr prashank - A rare Radiological Picture of multicompartmental craniopharyngioma (Egyptian Journal of Neurology , psychiatry & Neurosurgery under review)
- Unusual Radiological Appearance of congenital scalp Dermoid cyst with intracranial extension (Indian journal of Neurology under review)

8. BOOKS CHAPTER CONTRIBUTED

1. Head Injury
2. Arrested Hydrocephalus
3. Hydrocephalus
4. organ donation – ethics in India (Oxford publications)
5. Postmyelotomy closure of the cord
6. Embolization of the skullbase tumors
7. Supratentorial tumors

9. CONFERENCE/ PAPER PRESENTED

Papers were presented by Dr D Singh, Dr A K Srivastava, Dr Anita Jagetia, Dr Hukum Singh, Dr Wajid Nazir, Dr Shaam Bodeiwala, Dr Ghanshayam Das singhal in various conferences.
Conferences attended by Faculty include NSI, NSSI, Indian society of cerebrovascular surgery, Skull Base society, DNA etc.

10. DISTINGUISHED VISITOR

- Dr. Krishna Kumar G, M.Ch (Neurosurgery), SGPGIMS, Lucknow
- Dr. Raghavendra M, M.Ch (Neurosurgery), SGPGIMS, Lucknow
- Dr. Gajbhiye Sanjog Shankar, M.Ch (Neurosurgery), SGPGIMS, Lucknow
- Dr. Abhijit Nanda Parab, M.Ch (Neurosurgery), SGPGIMS, Lucknow
- Dr. Dipanshu Narula, M.Ch (Neurosurgery), AIIMS, New Delhi
- Dr. Saurabh Sharma, Attending Consultant, DMC, Ludhiana
- Dr. Dhivya Palanishmy, Consultant Neurosurgery, Apllolo KH Hospital, Vellore, Tamilnadu
- Dr Ketan Hedau, Assistant Professor, Department Of Neurosurgery, NSCB Medical College, Jabalpur

11. HONOUR TO FACULTY

1 **Dr Daljit Singh** : Vishisth Chikitsa Ratan Award 2018, Treasurer NSI

2 **Dr Hukum Singh** 1 Bharat Jyoti Award 2018 for Meritorious services, outstanding performance and remarkable role in the field of Neurosurgery.

- Country Pride National Award 2018 for excellence work in the field of Neurosurgery.
- **Dr Anita Jagetia** ;Coordinator Woman section NSI

12. FELLOWSHIP

- The association for overseas technical cooperation and sustainable partnership, Japan :Training programme on Japan Indian neurosurgical collaboration project was awarded to Dr Wajid Nazir, in Februray 2019
- Dr Shaam Bodeliwala completed Yonsei University Health system in Seoul, South Korea for Neurointervention December 2019

13. REPRESENTATION IN EXPERT COMMITTEE

Dr D Singh, Dr A K Srivastava, Dr Anita Jagetia, Dr Hukum Singh as member in expert committee of MCI, UGC, DNB,UPSC, DMC, etc

14. **Publications during period**

- Jagetia A, Dutta G, Setia V, Singhal GD, Bodeliwala S, Srivastava AK. Dissection of C2 guiding to the C1 lateral mass and facilitation of screw placement: Technical note. World Neurosurg. 2019 Feb 27. pii: S1878-8750(19)30492-9. doi: 10.1016/j.wneu.2019.02.081. [Epub ahead of print].
- Agarwal A, Jagetia A, Bodeliwala S, Singh D, Dutta G, Shah A. Intraoperative microsurgical anatomy of the anterior communicating artery complex harbouring an anterior cerebral territory aneurysm. Neurol India. 2019; 67(3): 823-828.
- Dutta G, Singh D, Saran RK, Singh H, Srivastava AK, Jagetia A. Metastasis from intracranial mesenchymal chondrosarcoma: report of a rare case. J Neurol Surg A Cent Eur Neurosurg 2019; 80(01): 058-061.
- Dutta G, Shah A, Garg M, Gupta R, Singhal G, Singh D et al. Complex spinal dysraphism: myelomenigocele associated with dorsal bony spur, split cord malformation type I, syringomyelia, lipoma and tethered cord. Br J Neurosurg. 2019 Mar 5:1-3. doi: 10.1080/02688697.2019.1584660. [Epub ahead of print].
- Dutta G, Singh D, Jagetia A, Garg M, Iqbal M, Srivastava AK.Chiari type I malformation with syringomyelia presenting with isolated hemi-anhidrosis: report of a rare case. Neurol India. 2019;67(4):1140-1141.
- Iqbal M, Irfan S, Goyal JL, Singh D, Singh H, Dutta G. An analysis of retinal nerve fibre layer thickness before and after pituitary adenoma surgery and its correlation with visual acuity. Neurology India. 2020. Accepted.

Accepted, not yet published:

- Spontaneous coiling of peritoneal catheter- uncommon complication of ventriculoperitoneal shunt: recognition and management.: Journal of Pediatric Neurosciences.
- Chiari type I malformation with syringomyelia presenting with isolated hemi-anhidrosis: report of a rare case. Neurology India.
- Complex spinal dysraphism: Myelomenigocele associated with dorsal bony spur, split cord malformation type I, syringomyelia, lipoma and tethered cord. British Journal of Neurosurgery.
- An institutional experience of fenestrated T bar clip use in management of intracranial aneurysms: Accepted in Neurology India
- Effect of temporary clipping in aneurysm clipping : Indian journal of neurosurgery (IJNS)

PATHOLOGY
GIPMER

Name of the Head of Department – Dr Puja Sakhuja

1. Faculty:

S. No.	Name of Faculty	Designation
1.	Dr Puja Sakhuja	Director Professor & HOD
2.	Dr Ravindra K Saran	Director Professor
3.	DrVineeta V Batra	Director Professor
4.	DrKaushikMajumdar	AssociateProfessor
5.	DrSurbhiGoyal	Assistant Professor

2. Members who have left during the period: DrKaushikMajumdar – on 27/09/2019

3. Additions to the faculty during the period**:** One post of Assistant Professor pathology created

4. Research Schemes:

Dr Puja Sakhuja
- Association of Microsatellite instability with gastric cancer - completed
- Proteomic Analysis of Plasma Exosomesto Identify Circulatory Biomarkers forGallbladder Carcinoma– ICMR - ongoing

Dr VV Batra
- Infrastructure development project by DBT for development of EM facility for Delhi Government hospitals

(b) Details of thesis completed during current year
Co-supervisors for thesis in MAMC, DM, MCh thesis at GIPMER and thesis at MAIDS
5. Trainees from other agencies:

S. No.	Name of the trainees	Sponsoring agency	Period of Training
Technician	1	CNBC	One month
MD Pathology students		MAMC, LHMC	2weeks
MLT trainees			1 month

6. Conferences organized:
"Prostate Cancer in the 21st Century" – talk by Dr Aiman Haider
Single day conference on digitization in Pathology – talk by Dr Juan Rotamero May – 2019.
Annual meeting of Delhi chapter of IAPM – DAPCON – with MAMC – March 2019

7. Publications during the period:
- Sarin SK, Choudhury A, Sharma MK, Maiwall R, Al Mahtab M, Rahman S, Saigal S, …….. Sakhuja P; APASL ACLF Research Consortium (AARC) for APASL ACLF working Party. Acute-on-chronic liver failure: consensus recommendations of the Asian Pacific association for the study of the liver (APASL): an update. Hepatol Int. 2019 Jun 6. doi: 10.1007/s12072-019-09946-3. [Epub ahead of print] PubMed PMID: 31172417.
- Verma R, Agarwal AK, Sakhuja P, Sharma PC. Microsatellite instability in mismatch repair and tumor suppressor genes and their expression profiling provide important targets for the development of biomarkers in gastric cancer. Gene. 2019 Aug 20;710:48-58. doi: 10.1016/j.gene.2019.05.051. Epub 2019 May 28. PubMed PMID: 31145962.
- Garg N, Singh J, Anjum H, Puri AS, Sakhuja P, Batra VV. Cytopreparation of duodenal biopsy fixative

improves detection rate of giardia in clinically suspected cases. Cytopathology. 2019 May;30(3):309-313. doi: 10.1111/cyt.12684. Epub 2019 Apr 1. PubMed PMID: 30817052.

- Nallacheruvu Y, Gaur K, Sakhuja P, Agarwal AK, Srivastava S. Mucoepidermoid Carcinoma of the Gallbladder: A Case-Based Study of an Extremely Rare Tumor Highlighting the Role of Immunohistochemical Profiling. Int J SurgPathol. 2019;27(4):418–422. doi:10.1177/1066896918821436
- Gaur K, Gupta L, **Saran RK**, Ghuliani D. Staging a great escape -Incidentally detected renal urothelial carcinoma with extensive squamous metaplasia presenting as pyonephrosis. J Can Res Ther 2019;15:S159-62.
- Misra S, **Saran RK**, Srivastava S, Burman S, Dahale A. Utility of Cytomorphology in distinguishing solid pseudopapillary neoplasm of pancreas from pancreatic neuroendocrine tumour with emphasis on nuclear folds and nuclear grooves. Diagnostic Cytopathology: 2019:47: 531-540.
- Arumugam V, Saha A, Kaur M, Deepthi B, Basak T, Sengupta S,Bhatt A, **Batra VV**, Upadhyay A D. Plasma free homocysteine levels in children with idiopathic nephrotic syndrome. Indian J Nephrol 2019 May-Jun;29(3):186-190. doi: 10.4103/ijn.IJN_293_17. PMID: 31142965

8. Conferences/Workshops/Symposiums attended:

- DNACON 2nd Feb 2019
- Case presentation NPASICON 2019 Feb 15, PGI, Chandigarh
- Frozen Section Dilemma, APCON 2019, Dec 6, PGI Chandigarh
- Conferences of Delhi Chapter of IAPM

Dr Puja Sakhuja:

Dr V. Ramalingaswamy Oration" and HepatopathologyMeeting ,August7,8th 2019

10. **Visitors:**

DrAimanHaider- Clinical Fellow Uropathology and gynaecological pathology,
Institution: Department of cellular pathology, UCLH, London
Dr Juan Rotamero - practicing pathologist at Granada University Hospitals, Spain,

11**. Significant Events (Honours to Faculty):**

Invited Lectures:

Dr Puja Sakhuja

- Presented a talk on Fatty liver diseases at the Liver pathology International Update 2019, in Mumbai 3-5th October 2019
- Presented a talk on Metabolic liver disease: a pathologist's perspective on November 23rd 2019 at the CME – Advances in Child Health at MAMC New Delhi
- Moderated a panel discussion on Fibrosis Regression at the 8thRamalingaswami Oration" and Hepatopathology Meeting at ILBS on 7th August 2019.

Dr RK Saran

Upper GI and Lower GI endoscopic Biopsies interpretation- at Chattisgarh Annual conference of IAPM-Chhatisgarh Chapter, 17 Nov 2019, Bhillai

DrVineeta V Batra

- Pathology of Lupus nephritis at National Lupus Meet, Kolkata, 26th January 2019.
- Role if IIF in the interpretation of various patterns in ANA and ANCA. Rheumatology Update 2019 under the aegis of Delhi Rheumatology Association, 2nd February, 2019.
- Pathology of meningiomas under the aegis of Delhi Association of Neurological Sciences, 3rd February, 2019.

13. Representation on expert Committee/Bodies:

Dr Puja Sakhuja

- Member of the Asian Pacific Association for the Study of the Liver (APASL) working party for consensus recommendations on ACLF
- ICMR expert group on NAFLD

- Member Scientific Advisory Committee, National Institute of Pathology, Delhi.
- On editorial board of various journals including Hepatology International, Human Pathology Case reports, Indian Journal of Pathology and Microbiology.

Dr Ravindra K Saran:

15. **Lab Data:**

Name of Test	**Year 2019**
Total No. of Biopsies	13567
Immunohistochemistry	15744
Frozen sections	996
Enzyme histochemistry	2135
Immunofluorescence	5723
Total Hematology(complete Hemogram)	734985
Cytology	1597
Autoimmune markers	2526
Urine routine and special	20410

16. **New Facilities added:**

- Electron Microscope : received through DBT infrastructure development project in Decemberinstalled and functional
- Three Post Graduate seats in Pathology created with approval of MCI

17. Any other worth mentioning

PSYCHIATRY
GIPMER

Name of the Head of the Department : Dr P S Biswas

S. No.	Name of the faculty	Designation
1	Dr P S Biswas	Associate Professor & HOD
2	Dr Arun Lata Agarwal	Director Professor
3	Dr S Jena	Associate Professor
4	Dr Anurag Jhanjee	Associate Professor
5	Dr Mahima Kapoor	Associate Professor
6	Dr Aman Deep Goyal	Associate Professor

2.Members who have left during the period: Nil

S. No.	Name of the faculty	Reason for leaving the job
	Nil	

3. Additions to the faculty during the period:

S. No.	Name of the faculty	Whether newly joined / promotion
	nil	

4. Research Scheme

(a) On going project:

"The study of Effect of modified electro-convulsive (MECT) treatment on the clinical profile of mentally ill persons in a tertiary care general hospital psychiatry unit (GHPU)"

(b) Details of thesis completed during the current year:

5. Trainees from other agencies:

s. no.	Name of the trainees	sponsoring agency	Period of training
	Nursing, PG- DGM		

6. Training course/conference/workshop organized: n.a.

A symposium on _____was held on ____ with Dr _____ in the chair / or ad convener.

7. Publications during the period. :

a) Choudhuri AH, Ahuja B, Biswas PS, Uppal R. "Epidemiology of Multidrug Resistant Infections after Inter ICU Transfer in India". Indian Journal of Critical Care Medicine, January 2019;23(1),1-6

8. Books / chapters/ contributed: n.a.

(a) Dr _____ has contributed a chapter in the text book on _ edited by Dr. _ of publisher. Ed __ (year of publication)
(b) A text book of __ (for under-graduates) has been written by Dr. _ and published.

9. conference / workshops/symposiums attended:

A) By Dr. Mahima Malhotra, Assoiat. Prof. to IHBAS symposium on certification for mental disability in December, 2018.

10. Visitors: NIL

a) Dr. ___ of ____ (country) visited the Deptt. and delivered a talk on _____ date

11. Significant events (Honours to faculty): NIL

All honors (at National/International level) received by faculty members to be mentioned at one place.
Dr. ____ has received award/ given oration chaired session/delivered guest lecture etc at _____ the month _____

12. Fellowship: NIL

Fellowship was awarded by _____ and availed by __ of) for _ month of ___

13. Representation of expert committee/ Bodies:- nil

Dr.____ was nominated by the ___- (agency) as expert / advisor to _____

14. Health Services to the community: NIL

Health centre activities / camps / drives/ national programme etc.

15. Lab data:- nil

a) Name of the lab

b) Name of the tested perform

c) Percentage of growth compared to last year.

16. New Facilities added: child & adolescent psychiatry and Juvenile de-addiction special clinic- once a week each.

17. Any other worth mentioning information:

RADIODIAGNOSIS
GIPMER

FACULTY

Dr Sunil Kumar Puri	Dir-Professor and Head
Dr Satbir Singh	Dir-Professor
Dr Ashok Sharma	Dir-Professor
Dr Poonam Narang	Dir-Professor
Dr Kalpana Bansal	Assistant Professor

MEMBERS WHO HAVE LEFT DURING THE PERIOD

Dr Satbir Singh	Dir-Professor- Superannuated on 30.11.19

ADDITION TO THE FACULTY DURING THE PERIOD: Nil

PROMOTIONS: Nil

TRAINEES FROM OTHER AGENCIES

Six month internship training in various imaging modalities for four students from National Industrial Centre, GNCTD.

THESIS COMPLETED/ ONGOING DURING THE YEAR:

- Role of Diffusion tensor imaging in pre-operative assessment of white matter tracts involvement by Brain tumors
  Dinesh Meher, Sunil Kumar Puri, Daljit Singh and Kalpana Bansal
- Imaging spectrum of Intestinal tuberculosis on 3T MR enterography
  SaumyaPandey, Sunil Kumar Puri, AS Puri and Kalpana Bansal
- Imaging spectrum of Congenital heart disease on 3Tesla Magnetic Resonance Imaging in pediatric patients.
  Priyanka Garg, Ashok Sharma, Saket Aggarwal and
- Comparison of Multidetector Computed Tomography, Magnetic Resonance Imaging and Echocardiography in patients with Mitral valvular heart disease
  Vidushi Gupta, Poonam Narang and Mohit Gupta
- Comparison of Diffusion tensor Imaging with clinical outcome in patients undergoing surgery for brain tumors
  Sumit, Daljit Singh, Sunil Kumar Puri and Hukum Singh
- Role of renal resistive index and biomarkers in evaluation of acute kidney injury in patients of cirrhosis
- Roshan George, Ajay Kumar, Ujjwal Sonika, Sunil Kumar Puri and Bhavana Mahajan
- Computed tomographic evaluation of Cholangiocarcinoma and its correlation with Endoscopic retrograde cholangiopancreatography
  Shalini Goel, Satbir Singh, Ashok Sharma and AS Puri
- Morphometric analysis of bony and vascular structures in CVJ anomaly
  Ritu Gaur, AK Srivastava, Anita Jagetia and Sunil K Puri
- A comparative study of the effects of a set of selected yoga postures and standard exercises on sagital spino-pelvic balance in patients of non-specific chronic low back pain
  Kailash Chand Meena, Manoj Kumar, Sunil K Puri and S Lakshmi Kandhan
- A comparative study of the effects of quadriceps muscle strengthening on the progression of disease in medial compartment osteoarthritis in knees with or without varus malalignment.
  Rahul Garg, Manoj Kumar, Sunil K Puri and Sumit Arora
- Assessment by Video Indocyanine Green Angiography during temporary clip placement in aneurysm surgery.
  Gautam Dutta, Anita Jagetia, AK Srivastava, Sunil Kumar Puri and Rajiv Chawla
- Estimation of age of a person from progression of sagital suture ossification on assessment byCT scan.
  Rohit Goyal, Satbir Singh and Anil Agarwal
- Study of symphysis pubis distance in relation with age of an adult
  Manjunath, SK Khanna, Anil Agarwal and Satbir Singh
- Clinicopathological and Radiological analysis of posterior fossa tumors and treatment outcome.
  Vikrant Setia, AK Srivastava, Ashok K Sharma

- Intra-operative microsurgical anatomy of anterior cerebral, anterior communicating artery complex and recurrent artery of Heubner in anterior cerebral territory aneurysm.
  Atul Aggarwal, Sanjiv Sinha, Ashok K Sharma
- To correlate the improvement in Mitral regurgitation on stress echo incoronary artery disease patients with left ventricular dysfunction withresidual mitral regurgitation after revascularization
  Sandeep K Golcha, V Trehan, V Mehta, Sunil K Puri and Harpreet

PUBLICATION OF RESEARCH PAPERS IN INDEXED JOURNALS

- JC Virus-Related Progressive Multifocal Leukoencephalopathy After LivingDonor Liver Transplant: A Rare Case.
  Rastogi A, Gulati N, Bihari C, Chaudhary A, Bansal K, Sasturkar S, Thapar S, Pamecha VExp Clin Transplant. 2019Jun;17(3):414-417. doi: 10.6002/ ect.2016.0242. Epub 2017 Aug 12. PubMed PMID:28800720.
- Groove pancreatitis in a patient with agenesis of dorsal pancreas-A one of a kind association.
  Sonali Sehi, Sunil Kumar Puri
  Tropical Gastroenterology, Vol 40,No. 1,Jan-March 2019

CONFERENCE/WORKSHOP/SYMPOSIAattended/Paper presentation (National/International)

- Dr Sunil Kumar Puri attended Annual Conference of Indian Radiological and Imaging Association (IRIA) at Chandigarh, Jan 16-19, 2019
- Dr Ashok Sharma attended Annual Conference of Indian Radiological and Imaging Association (IRIA) at Chandigarh, Jan 16-19, 2019
  Dr Kalpana Bansal and Dr Sunil Kumar Puri attended Annual Conference of Delhi State Chapter of IRIA, Delhi Imaging Update held on 16-17th Feb 2019 at Maulana Azad Medical College, New Delhi.
- Dr Sunil Kumar Puri attended Annual Conference of Uttrakhand chapter of IRIA at AIIMS, Rishikesh, 31 March 2019
- Dr Sunil Kumar Puri and Dr Kalpana Bansal attended 4th AIIMS-MAMC-PGI Imaging Series course on Advances in Imaging Technology held on the 5-6th April 2019, AIIMS, New Delhi.
- Dr Sunil Kumar Puri and Dr Kalpana Bansal attended Imaging Today: Update on Cardiac Imaging (CT & MRI) organized by Sir Ganga Ram Hospital on 31st august- 1st September held at FICCI auditorium, New Delhi
- Dr Sunil Kumar Puri and Dr Kalpana Bansal attended 4th AIIMS - MAMC-PGI courseseries on Genito-urinaryImaging on 15 and 16thNov 2019 at MAMC, New Delhi.
- Dr Kalpana Bansal attended Sono-summit conference at Chennai Trade Centre, Tamil Nadu in June 2019.
- Dr Kalpana Bansal attended, Ultravision, Conference on Recent advances in Ultrasound Imaging, at Radisson Blue Hotel, New Delhi in Dec 2019.

SCIENTIFIC PAPER PRESENTATIONS:

- Case series of portal vein aneurysm-rareincidental encounter
  Abhinav Singh and Sunil Kumar Puri
  Korean Conference of Radiology, June 2019, Seoul , South Korea

LECTURES TAKEN BY DR SUNIL K PURI

- Lecture on "PAIR in Hepatic Hydatid cysts" – Annual Conference of IRIA, Chandigarh, 19 Jan 2019
- Lecture on "Liver hydatid cysts – Drain or resect", Annual Conference of Uttrakhand chapter of IRIA, AIIMS , Rishikesh, 31st March 2019
- Lecture on " Chest radiograph in Congenital Heart Disease" , Cystic pancreatic masses" IRIA Resident Education Programme, , LHMC, 24 August, 2019
- Lecture on " Percutaneous Alcohol ablation of Liver hydatid cysts – Truce with surgeons", Annual Conference of Delhi State Chapter of IRIA, Delhi Imaging Update held on 16-17th Feb 2019 at Maulana Azad Medical College, New Delhi.

SESSIONS CHAIRED BY DR SUNIL K PURI:

- Chaired a session on Head and Neck imaging in Annual Conference of Pediatric Radiology at AIIMS, NewDelhi, Sept 7, 2019
- Chaired a session as Judge for scientific presentations in Annual Conference of Pediatric Radiology at AIIMS, NewDelhi, Sept 7, 2019

- Chaired a session on Mediastinal Imaging and Interventions in a Symposium on Chest Surgery, AIIMS, New Delhi, September 27, 2019
- Chaired a session on "Role of Nuclear Imaging and Interventions in Genito-urinary system " in AIIMS-MAMC-PGI Imaging course series, 5th Course on Genitourinary Imaging, 15-16 Nov. MAM College, New Delhi
- Chaired a session on "Basic MRI sequences for Cardiac Imaging in a Symposium on Cardiac MRI at AIIMS, New Delhi, Oct 2019
- Judge for Scientific presentations in monthly meeting of IRIA, Delhi branch, MAM College, July 2019
- Chaired a session on Radiation Protection in 4th AIIMS-MAMC-PGI Imaging Series course on Advances in Imaging Technology held on the 5-6th April 2019 , AIIMS, New Delhi

LECTURES TAKEN BY DR KALPANA BANSAL:

- Lecture as faculty on "Ultrasound and color doppler in chronic liver diseases" in ultrasound workshop (CLUE) at Institute of liver and biliary sciences, Delhi in April 2019.
- Panelist in a session on ARDS in CCILBS conference held at ILBS, New Delhi in April 2019
- Lecture as faculty on "Barium Swallow" in one day CME organized by ENT Department at MAMC, New Delhi in June 2019.
- Lecture as Invited faculty on "Right lower quadrant imaging" in Sono-summit conference at Chennai Trade Centre, Tamil Nadu in June 2019.
- Invited as faculty to conduct a spotter session on neuroimaging and member of organizing team in IRIA Resident Education programme held at LHMC, New Delhi in Aug 2019.
- Lecture on "Reading of MRI brain with special sequences" in CME organized by Neurosurgery Department at GIPMER, NewDelhi, in Nov 2019.
- Lecture on "Cranial ultrasound in neonates" and conducted inaugural ceremony in Ultravision at Radisson Blue Hotel, New Delhi in Dec 2019.

REPRESENTATION ON EXPERT COMMITTES/BODIES:

Dr Sunil Kumar Puri

- Member of Executive Committee, Society for Emergency Radiology
- Treasurer for Society of Image Guided Therapies (a forum for South Asian and Emerging third world countries)
- Specialty expert for Cardiac imaging for Indian Radiological and Imaging Association
- Member of Board of Studies for Pt BD Sharma University of Health Sciences, Rohtak
- Member of Board of Studies for SGPGI, Lucknow
- Examiner for practical examination of Radiodiagnosis , National Board of Examinations.
- Examiner for MD Radiodiagnosis , Postdoctoral Doctoral Diploma,/Fellowshipsand PhD for various universities.
- Reviewer for Journal –
  - Journal of Cardiovascular and Interventional Radiology (CVIR), Official
  - Journal of European Society of Cardiovascular and Interventional Radiology
  - European Radiology, Journal of European Society of Radiology
  - Indian Journal of Radiology and Imaging
  - Journal of Clinical and Diagnostic Research
- MCI inspector for assessing physical facilities for starting /increasing MD seats in Radiodiagnosis.
- Designated as Inspector by National Board of Examinations for accreditation of institutes to start DNB course in Radiodiagnosis
- Member of Maulana Azad Medical College Society for Promotion of Medical Research
- Member of expert committee for selection of Professors/Assistant Professors in Radiology for : PGIMER, Chandigarh, AIIMS, Bhatinda, Institute of Liver and Biliary Sciences, New Delhi, Pt BD SharmaUniversity of Health Sciences, Rohtak, All India Institute of Medical Sciences New Delhi, KGMC and RML Hospital, Lucknow, , SGPGI Lucknow, RGSSH, New Delhi
- Technical expert for purchase of equipment and other material for:Institute of Liver and Biliary Sciences (ILBS),Rajiv Gandhi Superspecialty Hospital, Tahirpur, All India Institute of Medical Sciences, AIIMS and AIIMS Trauma Centre,DGHS Ministry of Health and Family Welfare,Gov. of India , SGPGI Lucknow and Banaras Hindu University, Varanasi, CPA, GNCTD
- Member of Election Committee of IRIA, Delhi branch
- Technical expert for Delhi Medical Council (DMC)
- Chairman of Hospital Computerization Committee

Dr Satbir Singh

- Member of State advisory board for the Pre-conception and Pre-nataltechnique act 1994 constituted by the Lt Governor
- MCI inspector for assessing physical facilities for starting MBBS course, starting/increasing seats in MD Radiodiagnosis and assessing standard of MD examinations
- Examiner for MD Radiodiagnosis/ DMRD atvarious universities.

Dr Ashok Sharma

- Expert for MCI,DNB and UGC
- Chairman , Academic Council, GIPMER
- Chairman, Purchase Committee, GIPMER
- Chairman Telemedicine , GIPMER
- Examiner for MD Radiodiagnosis/ DMRD at various universities

Dr Poonam Narang

- Member of Committee on Clinical Establishment Act, MOHFW
- Nodal Officer for PCNDT act, GIPMER
- Chairman, PWD committee, GIPMER
- Library Incharge, GIPMER

Dr Kalpana Bansal

- Executive member of IRIA, Delhi branch
- Member organizing committee, ULTRAVISION 2019 in Dec 2019at Radisson Blue hotel New Delhi
- Member organizing committee, IRIA Resident education programme in Aug 2019 at LHMC, New Delhi
- Radiation Safety In charge for the department

HEALTH SERVICE TO THE COMMUNITY

Staff members of the department regularly take part in Pulse Polio Program.

LAB DATA

Investigation/Procedure	**2018**	**2019**
Total routine x-rays and in bed cases	61481	69651
Special x-ray investigations	2196	1869
Routine US cases	21474	20190
Color- Doppler cases	7970	7966
CT scan	34490	33404
MRI	-	692
US / CT guided FNAC's /drainage	405	691
US/CTguided catheter drainage procedures	263	265
Percutaneous biliary drainage /stents	149	79
Hydatid cyst PAIR	02	01
Radio frequency ablation	01	-

NEW FACILITY ADDED

A latest state of the art 3T MRI machine was installed in the department in November 2019

ANY OTHER INFORMATION

MD (Radiodiagnosis) course was started in the department from the academic session 2019-20 with MCI sanction of an annual intake of 04 students.

C. MAULANA AZAD INSTITUTE OF DENTAL SCIENCES NEW DELHI

Name of the Department: **Maulana Azad Institute of Dental Sciences, New Delhi**

- **Name of the Head of the Department**: Director -Prof. Mahesh Verma

Sl No.	Name of the faculty	Designation
1.	Dr. Mahesh Verma	Director – Principal
2.	Dr.Sangeeta Talwar	Professor & Head
3.	Dr.Tulika Tripathi	Professor& Head
4.	Dr.Arundeep Kaur	Professor& Head
5.	Dr. Sunita Gupta	Professor& Head
6.	Dr. Seema Yadav	Professor& Head
7.	Dr. Sujata Mohanty	Professor& Head
8.	Dr. Priyank Rai	Professor& Head
9.	Dr. Aadithya B Urs	Professor& Head
10.	Dr. Mridula Goswami	Professor& Head
11.	Dr. Vikrant Ranjan Mohanty	Associate Professor & Head
12.	Dr. Sadhna Mate	Demonstrator
13.	Dr. Anuradha Bali	Demonstrator
14.	Dr. Meera Chaudhary	Demonstrator
15.	Dr. Anup B. Kanse	Professor
16.	Dr. Priyank Rai	Professor
17.	Dr. Gita Mehrotra	Consultant
18.	Dr. Gyanendra Kumar	Associate Professor
19.	Dr. Rekha Gupta	Associate Professor
20.	Dr. Farukh Faraz	Associate Professor
21.	Dr. Shubhra Gill	Associate Professor
22.	Dr. Sarika Chaudhary	Associate Professor
23.	Dr.Zainab Chaudhary	Associate Professor
24.	Dr. Shruti Tandon	Associate Professor
25.	Dr. Pankaj Sharma	Associate Professor
26.	Dr. Sujoy Ghosh	Associate Professor
27.	Dr. Priya Kumar	Associate Professor
28.	Dr. J. Augustine	Associate Professor
29.	Dr.Ruchika Roongta Nawal	Associate Professor
30.	Dr. Aswini Y Balappanavar	Associate Professor
31.	Dr. Jatinder Kaur	Associate Professor
32.	Dr. Rohit Chopra	Assistant Professor
33.	Dr. Monica Kelkar	Civil Assistant Surgeon
34.	Dr. Deepmala Maurya	Demonstrator
35.	Dr.Anshum Gupta	Demonstrator
36.	Dr.Nidhi Saini	Demonstrator
37.	Dr. Upma Narang	Civil Assistant Surgeon

Members who have left during the period:

S.No.	Name of the Faculty	Designation	Reason for leaving the job
1.	Dr. Mahesh Verma	Director -Principal	Appointed as Vice chancellor of Guru Gobind Singh Indraprastha University
2.	Dr. Jatinder Kaur	Associate Professor	Residency in Pediatric Dentistry

Additions to the Faculty during the period: None

S.No.	Name of the Faculty	Designation	Whether newly joined /promotion

Research Scheme

On going project

- New Millennium Indian Technology Leadership Initiative (NMITLI)Dental Implant Project. **Investigators: Dr. Mahesh Verma, Dr. Naresh Bhatnagar, Dr. Farrukh Farraz, Dr. Abhinav Sood, Dr. Smiti Bharadwaj.**
- Design And Development Of Indigenous Instrument Retrieval Equipment For Removal Of Broken/ Separated Files During Endodontic Therapy. **Investigators: Dr Sangeeta Talwar, Dr Ruchika Roongta Nawal, Dr. Mahesh Verma, Prof.(Dr.) Rajiv Kapoor (Principal, Dept Of Electronics And Communication Engineering, AIACTR, Dr. AmitMalhotra**
- Assessment of Bio-chemical markers and their comparative evaluation with skeletal growth maturity indicators. **Investigators: Dr. Tulika Tripathi, Dr. Priyank Rai, Dr. Mahesh Verma, Dr. Vinod Kumar Gupta**
- DHR Project on Evaluation Of Dimensional Changes In The Alveolar Ridge Following Tooth Extraction With Or Without Using Indigenously Prepared Decalcified Freeze Dried Bone Allograft – A Clinical Study.**Investigator: Dr. Farrukh Faraz**
- The impact of endodontic microscope on the outcome of root canal treatment of deciduous molar. **Investigator: Dr. Gyanendra Kumar.**
- Pit and Fissure sealant Project under National Oral Health Program. **Investigators: Dr. Mahesh Verma, Dr. Vikrant Mohanty, Dr. Aswini Y B**
- A Comparative Evaluation of Occlusal Splint, Transcutaneous Electric Nerve Stimulation (TENS) and Low Level Laser Therapy (LLLT) in Myofacial Pain Dysfunction Syndrome (MPDS) Patients Using Electromyography (EMG), Visual Analogue Scale (VAS) And Behavioral Rating Scale**. Investigators: Dr. Mahesh Verma, Dr. Harsimran**
- Comparative evaluation of effectiveness of ultrasonics vs instrument retrieval kit in removal of broken endodontic instruments and fracture resistance of these teeth after rehabilitation using two different techniques. Investigators: **Prof. (Dr) Sangeeta Talwar, Prof. (Dr) Mahesh Verma , Dr. Preeti Jain**
- Design and Development of novel instrument retrieval equipment for removal of separated instruments during endodontic therapy. **Investigators: Dr. Sangeeta Talwar, Dr. Ruchika Roongta Nawal, Dr. Mahesh Verma, Dr. Amit Malhotra**
- Evaluation of Interleukin – 8 And TNF - Alpha In Healthy And Inflamed Human Dental Pulp Tissue **Investigators: Dr Sangeeta Talwar, Dr B. C. Koner, Dr Ruchika Roongta Nawal, Dr. Mahesh Verma, Dr. Aishvarya Kaushik**
- Evaluation Of Botanical Stem Cell Extract As A Prospective Facilitator In Regenerative Endodontics Via Amplification/Up Regulation Of Dpscs And Scap. **Investigators: Dr Sangeeta Talwar, Dr Ruchika Roongta Nawal, Dr. Mahesh Verma, Dr. Amit Malhotra**
- Evaluation of closure of Large alveolar defects by vector controlled transport distractor in Cleft Lip and Palate patients.**Investigators: Dr. Tulika Tripathi, Dr. Mahesh Verma,Dr. Navneet Singh**
- Evaluation of psychosocial, morphological and functional benefits of nasoalveolar molding in infants born with cleft lip and palate. **Investigators: Dr.Tulika Tripathi, Dr. Mahesh Verma,Dr. Neha**
- Association of serum vitamin D levels and vitamin D receptor gene polymorphism with external apical root resorption in orthodontic patients. **Investigators: Dr. Tulika Tripathi, Dr. Mahesh Verma, Dr. Shilpa Kalra**
- PRF combined with 1.2% Atorvastatin for the treatment of Infrabony defects in Chronic Periodontitis: A Clinical Study. **Investigators: Dr. Mahesh Verma, Dr. Arundeep Kaur, Dr. Kamal Aggarwal**
- A prospective case control study to evaluate post extraction bleeding risk in patients on single anticoagulant or antiplatelet therapy and patients on combination (anticoagulant & antiplatelet) therapy. **Investigators: Dr. Anshul, Dr. Sujata Mohanty, Dr. Mahesh Verma**
- Assessment of Effect of Low-intensity pulsed ultrasound in case of bilateral mandibular fracture a prospective clinical study. **Investigators:Dr. Sujata Mohanty, Dr. Mahesh Verma, Dr. Chandravir Singh**

- Correlation between Clinical Symptoms, MRI Findings, and Synovial Fluid Levels of TNF-α and Matrix Metalloproteinase in Patients with Temporomandibular Joint Internal Derangement. **Investigators: Prof. (Dr.) Mahesh Verma, Prof. (Dr.) Sunita Gupta, Prof. (Dr.) Sujata Mohanty, Dr. Bhawna Mahajan, Dr. Khushboo Singh**.
- To study the role of systemic and topical oil and water based antioxidants in the management of Oral Submucous Fibrosis. **Investigators: Prof. (Dr.) Mahesh Verma, Prof. (Dr.) Sunita Gupta, Dr. Shriya Khera.**
- Comparative evaluation of efficacy of topical clobetasol propionate 0.05 %, nano-bio fusion gel and curcumin in the management of oral lichen planus. **Investigators: Prof. (Dr.) Mahesh Verma, Prof. (Dr.) Sunita Gupta, Dr. Priyanka Verma.**
- Clinical evaluation of the efficiency of low-level laser therapy for oral lichen planus. **Investigators: Prof. (Dr.) Mahesh Verma, Prof. (Dr.) Sunita Gupta, Dr. Prerna Piyush.**
- Evaluation of sleep disturbances anxiety and depression in patients with oral lichen planus: a case control study. **Investigators: (Dr.) Mahesh Verma, Prof. (Dr.) Sunita Gupta, Dr. Anshul Mahajan.**
- Changes in the Position of Hyoid Bone following Mandibular Distraction Osteogenesis**Investigators:Dr. Sujata Mohanty, Dr. Mahesh Verma, Dr. Zainab Chaudhary, Dr. Pankaj Sharma, Dr. Sanchaita Kohli.**
- Clinical, CBCT Based Radiographic assessment and Biomechanical analysis Of Immature Permanent Teeth Treated with Different Regenerative Protocols: A multi arm Randomized Controlled Trial. **Investigators:Dr. Sangeeta Talwar, Dr. Ruchika Roongta Nawal, Dr. Sudha Yadav.**
- Assessment of salivary Insulin like growth factor-1 and Bone alkaline phosphatase levels with twin block therapy: an observational study. **Investigators: Dr. Tulika Tripathi, Dr. Navneet Singh**

Details of Thesis completed in current year

Sl no.	Name	Year	Topic	Department
1	Dr. Girish Bhatt	2017-2020	Correlation of clinical stage & expression of ALDH1, ALK1 & CALR with response to treatment in OSMF & OLP.	Oral Medicine and Radiology
2	Dr. Vijender Kumar	2017-2020	To evaluate diagnostic value of attenuation coefficient in contrast Vs Non contrast CT and expression of Fra-1,c-Fos and TRAF-6 in odontogenic tumors and cysts.	Oral Medicine and Radiology
3	Paminder Singh	2017-2020	Three-Dimensional Evaluation of Healing Temporomandibular Joint Morphology and Function After Closed Treatment of Mandibular Condylar Fracture	Oral and Maxillofacial Surgery
4	Bagisha Kathuria	2017-2020	Comparison of the diagnostic accuracy of clinical examination, ultrasound and contrast enhanced CT with reference to histopathology of resected tissues for the detection of cervical lymph node metastasis in patients with oral squamous cell carcinoma	Oral and Maxillofacial Surgery
5	Dr. Mamta Kumari	2017-2020	Comparative study of fit and patient's satisfaction with cast partial denture fabricated with conventional casting and selective laser sintering method- An in vivo study.	Prosthodontics
6	Dr. Amala Nancy	2017-2020	Comparative evaluation of ISQ values and peri-implant radiographic bone changes between standard vs short implants in a split mouth study design.	Prosthodontics
7	Dr. Sumit Dinkar	2017-2020	Comparison Of Post-Operative Pain And Healing After Endodontic Therapy Using Xp Endo Finisher And Endoactivator Irrigant Activation Systems – An In Vivo Exploratory Study	Conservative Dentistry & Endodontics
8	Dr. Rega K	2017-2020	Synthesis And Evaluation Of Properties Of Restorative Dental Composites Reinforced With	Conservative Dentistry &

			Nanosphere And Nanotube Hydroxyapatite –An In Vitro Study	Endodontics
9	Dr Nida Nayyer	2017-2020	Effect of low level laser therapy on external root resorption during orthodontic tooth movement – A randomized control trial	Orthodontics& Dentofacial Orthopaediacs
10	Dr Nikshi Kamble	2017-2020	Evaluation of long term changes following twin block treatment in Class II Div 1 Malocclusion patients- A cephalometric study	Orthodontics& Dentofacial Orthopaediacs
11	Dr.Sadhna Sharma	2017-2020	Assessment of Oral Health Status of Children with Leukemia	Pedodontics
12	Dr.Ramanand Vignesh	2017-2020	Clinical and radiographic evaluation of pulpotomy using MTA, Biodentine and Er.Cr:YSGG laser in primary teeth – a clinical study	Pedodontics
13	Mahima	2017-2020	Comparison of coronally advanced flap with and without air dried amniotic membrane in the treatment of localized gingival recession	Periodontics
14	Dalima	2017-2020	Clinical evaluation of indigenously prepared DFDBA in the surgical management of periodontal osseous defect	Periodontics
15	Dr. Anshul Bharti	2017-2020	Assessment Of HIF-1α and LOXL-2 Expression in Oral Squamous Cell Carcinoma- An Immunohistochemical Study.	Oral Pathology
16	Dr. Azhar Ahmed Khan	2017-2020	Comparitive Evaluation Of DNA Isolation From Extracted Teeth Under Different Environmental Conditions By Two Methods For Forensic Analysis	Oral Pathology
17	Dr.Vedha V.P.K	2017-2020	Effectiveness of different parenting interventions on oral hygiene of cerebral palsy children: A randomized controlled trial	Public Health Dentistry

Trainees from other agencies:

S.No.	Name of the trainees	Sponsoring agency	Period of Training
1	School Health Scheme Officials	DGHS & MAIDS	1 day (11TH October 2019)
2	Dentists from IAFO	IAFO	3 days (1-3rd April 2019)

Training course/Conferences/Workshops organized:

- A lecture on "Diagnosis of Bone Lesions using CBCT" was held on 25th January 2019.
- An International conference of 5th GLOBAL AAID (American Academy of Implant Dentistry)
- CONFERENCE 2019 & 1st Hard & Soft Tissue Symposium was held on 1-3rd March 2019, Delhi.
- A workshop on "School Oral Health treating Healthy smiles for future" was held on 11th October 2019.
- A Continuing Dental Education on "Artificial Intelligence enter into future" was held on 24th October 2019.
- A workshop on "Live Operative Workshop on Orthognathic Surgery" was held on 5th November 2019.
- A workshop on "Ethics in Biomedical Research and Good Clinical Practise" was held on 6th November 2019.
- A national conference of "17th National Conference of Indian Association of Forensic Odontology" was held on 20-22nd September 2019.
- A national conference of "27th IES National Conference" was held on 21-23rd December 2019.
- A lecture on " IDA & Oral B "Modern Day approaches to Oral Hygiene" by Dr. Aswini was held on 3rd September 2019.
- A guest lecture on "Portable Dentistry Lasers in endodontics" by Dr. Adam Stabholz" was held on 28th February 2019.
- A guest lecture and hands on " Layering Technique (3M Company)" by Dr Nidhi Suri kohli was held on 06th May 2019.
- A national specialty post graduate convention of " 13th IAPHD National PG Convention (Indian Association of PHD)" was held on 13 – 14th June, 2019.
- A Continuing Dental Education on "Endodontics or Implants ; A decision Guide" by Dr. Prashant Verma was held on 30th November 2019.

- A preconference course on "Click like Kadel" ; attended course on dental photography" by Dr. Kadel was held on 20th December, 2019.
- A Pre conference course "Skeletal Anchorage devices – Taming the Technique" at 23rd IOS PG Convention was held on 21st – 24th February, 2019.
- A Pre Conference Course "Myofunctional Appliances: Enhancing the skills at North Zonal PG Convention was held on 27th September, 2019.
- A guest lecture on IDA & Oral B "Modern Day approaches to Oral Hygiene" at MAIDS was held on 3rd September 2019.
- Pre convention workshop on " Operational Research" by UNION at MAIDS was held on 13th June 2019.
- Preconvention workshop on " Hands on Tobacco Cessation " by NDDTC at MAIDS was held on on 13th June 2019.
- Preconvention workshop on " Program Planning and Health Systems Evaluation" by PHFI at MAIDS was held on on 13th June 2019.
- Workshop on Aanitragging by Dr. S K Kataria, Executive member, Dental Council of India was held on 26th September 2019.
- Workshop on "BLS training" was held on 3rd May 2019.

Publications during the period:

- Bhatt G, Gupta S, Ghosh S, Mohanty S, Kumar P. Central osteoma of maxilla associated with an impacted tooth: Report of a rare case with literature review.Head Neck Pathol. 2019 Dec; 13(4):554-561.
- Gupta S, Singh K, Garg A, Bhandari PS, Sah SK, Reichenberger E, Kapoor S, Jain S, Trehanpati N. Clinico-Radiological Follow-up of Cherubism with Aggressive Characteristics: A Series of 3 Cases. DOI: https://doi.org/10.1016/j.oooo.2019.01.082.
- Ghosh S, Garg M, Gupta S, Choudhary M, Chandra M. Microcephalic osteodyplastic primordial dwarfism type II: case report with unique oral findings and a new mutation in the pericentrin gene.Oral Surg Oral Med Oral Pathol Oral Radiol. 2019 Sep 3. Pii: S2212-4403(19)31425-7.
- Gupta S, Vats P, Jha A, Singh K, Ghosh S, Tandon S, et al. Gingival manifestations of tuberculosis in pediatric patients: series of 4 cases. Oral Surg Oral Med Oral Pathol Oral Radiol. 2019 Jan 12. pii: S2212-4403(19)30009-4. doi: 10.1016/j.oooo.2019.01.005.
- Piyush P, Mahajan A, Singh K, Ghosh S, Gupta S. Comparison of therapeutic response of lycopene and curcumin in oral submucous fibrosis: A randomized controlled trial. Oral Diseases. 2019; 25:73–79.
- Mohanty S, Kumar P, Gulati U, Dabas J, Kohli S, Choudhary Z. Anatomic and functional changes after myotomy with or without mandibular anguloplasty in masseter hypertrophy patients: A prospective study. Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology. 2019;31(3):163-168.
- Deo Kumar R, Bodh R, Verma A, Kumari S, Mohanty S, Kohli S. Rare presentation of two distinct benign odontogenic tumors in a single jaw: Clinical, radiological and histological findings with a brief review of literature. Oral and Maxillofacial Surgery Cases. 2019;5(2):100100.
- Urs A, Kumar P, Mohanty S, Augustine J, Kohli S, Singh S. Slowly enlarging mass in maxilla and maxillary sinus. Journal of Stomatology, Oral and Maxillofacial Surgery. 2019;120(3):274-277.
- Yadav S, Mohanty S, Sharma P, Kohli S, Singh C, Dabas J. Conventional 2D miniplate versus 3D four-holed and eight-holed miniplates in the management of mandibular angle fractures. Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology. 2019 Dec 23.
- Mohanty S, Bodh R, Dabas J, Kumari S, Kohli S. Aesthetic and Functional Rehabilitation of Postburn Maxillofacial Deformity. Journal of Craniofacial Surgery. 2019 Jul 1;30(5): e460-2.
  (International)
- Kumar RD, Bodh R, Verma A, Kumari S, Mohanty S, Kohli S. Rare presentation of two distinct benign odontogenic tumors in a single jaw: Clinical, radiological and histological findings with a brief review of literature. Oral and Maxillofacial Surgery Cases. 2019 Jun 1;5(2):100100.
- Vignesh U., Mehrotra, D., Howlader, D., Kumar, S., & Anand, V. (2019). Bone Marrow Aspirate in Cystic Maxillofacial Bony Defects. Journal of Craniofacial Surgery, 30(3), e247-e251.
- Mehrotra, D., Anand, V., Vignesh, U., & Kumar, S. (2019). Evaluation of bone formation using recombinant human bone morphogenetic proteins-7 in small maxillofacial bony defects. Journal of Oral and Maxillofacial Pathology, 23(2), 208.
- Devi J, Goyal P, Verma M, Gupta R, Gill S. Customization of attachments in tooth supported overdentures: Three clinical reports.Indian J Dent Res. 2019 Sep-Oct;30(5):810-815. doi: 10.4103/ijdr.IJDR_238_16.

- Tripathi T, Gupta P, Rai P, Sharma J, Gupta VK, Singh N, Verma M. Longitudinal evaluation of the association between Insulin-like growth factor-1, Bone specific alkaline phosphatase and changes in mandibular length.Sci Rep. 2019 Aug 9;9(1):11582. doi: 10.1038/s41598-019-48067-7.
- Jain RA, Verma M, Gupta R, Gill S, Ghosh M. Fabrication of a bicomponent hybrid orbital prosthesis.J Prosthet Dent. 2019 Dec;122(6):568-572.
- Verma M, Wilson NHF, Lynch CD, Nanda A. Leadership in academic dentistry.J Dent. 2019 Aug;87:2-6.
- Mahesh Verma, Parul Mutneja, Rekha Gupta, Shubhra Gill. Telescopic overdenture for oral rehabilitation of partially edentulous patient . 2019 ;30 (3) : 468-471.
- Divya Nangia, Ruchika Roongta Nawal, Seema Yadav, Sangeeta Talwar. Influence of final apical width on smear layer removal efficacy of XP endo finisher and endodontic needle: an ex vivo study. European Endodontic Journal. 2019; 4 (3): EJ-58076 | DOI: 10.14744/eej.2019.58076.
- Nayyer N, Tripathi T, Rai P, Gopal R Effect of photobiomodulation on external root resorption during orthodontic tooth movement—a scoping review. Lasers in Dental Science 2019;3(4):219–226
- Rai P, Gandhi A, Tripathi T, "Effects of Fixed Functional Appliance Therapy on Temporomanibular Joint Assessed by MRI: A Literature Review". International Journal of Science and Research 2019;8(11):1057 – 1063.
- Kanase A, Tripathi T, Kamble N. Treatment effects of twin block therapy- a review of literature. International Journal of Scientific Research 2019;8(11):68-70
- Kalra S, Tripathi T, Rai P. External Apical Root Resorption in Orthodontic Patients- Local Cause or Genetic Predisposition. Acta Scientific Dental Sciences 3.8 (2019): 90-99.
- Tripathi T, Singh N, Rai P, Gupta P. Putty-based surgical site protection during intraoral trimming of the hyrax distractor tooth borne appliance. Journal of Cleft Lip Palate and Craniofacial Anomalies 2019 6 (1), 62
- Tripathi T, Srivastava D, Neha, Rai P Clinically guided Management of Facial asymmetry - 2 year follow up. Journal of Clinical Orthodontics 2019;53(1):29-38.
- Tripathi T, Singh N, Rai P, Khanna N. Separation and pain perception of Elastomeric, Kesling and Kansal separators. Dental Press J Orthod. 2019;24(2):42-8.
- Ganesh G, Tripathi T, Rai P, Kanase A. Effect of photobiomodulation on pain perception secondary to separator placement. Laser Dent Sci (2019) 3: 111-117
- Tripathi T, Singh N, Rai P, Gupta P. Mini-implant-supported twin-block appliance: An innovative modification. Nigerian journal of clinical practice March 2019 22(3):432-438
- Ganesh G, Tripathi T. The sum and substance of skeletal anchorage system – a narrative review. World Journal of Pharmaceutical and Medical Research 2019,5(9), 57-62.
- Kapoor G, Goswami M, Sharma S, Mehta A, Dhillon JK. Assessment of oral health status of children with Leukemia: A cross-sectional study. Spec Care Dentist. 2019 Nov;39(6):564-571.
- Aggarwal T, Goswami M, Dhillon JK. Assessment of Oral Health Educational Program on oral health status of visually impaired children in New Delhi. Spec Care Dentist. 2019;39(2):140–146. doi:10.1111/scd.12354.
- Gyanendra kumar,Aditi Garg, Ramanand Vignesh,Jitender Kaur. Apert Syndrome: A Case Report. Journal of South Asian Association of Pediatric Dentistry 2019; 2 (1).
- Smriti Johar, Mridula Goswami, Gyanendra Kumar, Jatinder Kaur Dhillon, Caries removal by Er,Cr:YSGG laser and Air-rotor handpiece comparison in primary teeth treatment: an in vivo study. Laser Therapy, 2019; 28 (2):116-122.
- Ahad A, Haque E, Tandon S. Current status of the anterior middle superior alveolar anesthetic injection for periodontal procedures in the maxilla. J Dent Anesth Pain Med 2019;19(1):1-10
- Datta A, Lamba AK, Faraz F, Tandon S, Chowdhri K. Quorum sensing versus Quorum quenching: An endless battle. Int J Res Health Allied Sci 2019;5(1):1-4.
- Tandon S, Lamba AK, Faraz F,Aggarwal K, Ahad A, Yadav N. Effectiveness of anterior middle superior alveolar injection using computer-controlled local anesthetic delivery system for maxillary periodontal flap surgery. J Dent Anesth Pain Med 2019;19(1):45-54
- Tandon S, Lamba AK, Faraz F, Aggarwal K, Chowdhri K. A case report of bisphosphonate related osteonecrosis of the jaw treated by photodynamic therapy. Photodiagnosis and Photodynamic therapy 26(2019)313-315.
- Tandon S, Bhandari V, Lamba AK, Faraz F, Makker K, Aggarwal K.Literature review of oral tuberculosis and report of a case with unique histological presentation. https://doi.org/10.1016/j.ijtb. 2019.02.019
- Faraz F, Tandon S, Lamba AK, Datta A, Chowdhri K. Consanguinity & Periodontal Disease: A Case Report. HTAJOCD 2019;11(6)54-55.
- Makker K, Lamba AK, Faraz F, Tandon S, Sheikh Ab Hamid S, Aggarwal K, Chowdhri K. Comparative evaluation of bioburden and sterility of indigenously prepared bone allograft with and without gentamicin. Cell Tissue Bank (2019)20:243.

- Datta A, Lamba AK, Faraz F, Tandon S, Aggarwal K, Mahima, Garg M. Atraumatic extraction or A – Traumatic extraction? Choice is yours. HTAJOCD 2019; 12(2):31 – 33.
- Kapoor S, Mohanty V, Balappanavar AY. Tobacco use: Exploring the beliefs of Street Food Vendors in Delhi, India. J Indian Assoc Public Health Dent 2019;17:14-8.
- Hashmi S, Rijhwani K, Mohanty VR, Balappanavar AY, Yadav V, Kapoor S. Effectiveness of Dental Health Education on oral hygiene among Hearing impaired adolescents in India: A Randomised Control Trial. Spec Care Dentist. 2019;1-7.
- Kapoor S, Chahar P, Mohanty V, Balappanavar AY. Special care dentistry: Knowledge and attitudes among Indian dental students. J Indian Assoc Public Health Dent 2019;17:108-13.
- Chahar P, Mohanty V, BalappanavarAY, Yadav V, Kapoor S. Cross Cultural Adaptation and Validation of Hindi version of Child Oral Impacts on Daily Performances index. Int J Clin Pediatr Dent. 2019 Jul-Aug.
- Gupta V, Mohanty V, Balappanavar A, Goel P. Oral Health Related Cultural Issues: Myths and Misbelief among North Indian Population. International Journal of Dental Science and Innovative Research. 2019;2(6):399-405.
- Goel P, Gupta V. Non Healing Ulcer of Tongue: A Rare Entity. International Journal of Dental Science and Innovative Research. 2019;9(4):381-385.
- Goel P, Grewal H K, Gupta V. Evaluation of α-Smooth Muscle Actin (α-SMA) in Intraosseous lesions of Jaw-An Immunohistochemical Study. Dentistry. 2019;9(4):541.
- Mehra R, Mohanty V, Balappanavar AY, Kapoor S, Grewal N. Spirituality- the elusive key to job satisfaction: A Comparative study of government and private healthcare professionals. Journal of the International College of Dentists; Japan Section. 2019. 64. 7-15.
- Urs AB, Kumar P, Mohanty S, Augustine J, Kohli S, Singh S. Slowly enlarging mass in maxilla and maxillary sinus.J Stomatol Oral Maxillofac Surg. 2019 Jan 21. pii: S2468-7855(19)30019-9. doi: 10.1016/j.jormas.2019.01.009
- Narayan B, Urs AB, Augustine J, Singh H, Polipalli SK, Kumar S, Kapoor S. Genetic alteration of Exon 5 of the PTEN gene in Indian patients with ameloblastoma.Oral Surg Oral Med Oral Pathol Oral Radiol. 2019 Mar;127(3):225-230.
- Negi D, Urs AB, Kumar P, Mahajan B, Singh H, Polipalli SK, Kapoor S. Assessment of Interleukin-18 gene polymorphism and serum levels in oral lichen planus in an Indian population.J Oral Pathol Med. 2019 Mar;48(3):244-250.
- Urs AB, Augustine J, Singh S. Histopathological evaluation of a rare fulminant case of contemporaneous mucormycosis, aspergillosis and actinomycosis. J Oral Maxillofac Pathol 2019;23:144-6.
- Kureel K, Urs AB, Augustine J. Cytokeratin and fibronectin expression in orthokeratinized odontogenic cyst: A comparative immunohistochemical study. J Oral Maxillofac Pathol 2019;23:65-72.
- Urs AB, Kumar P, Augustine J, Sharma P, Narayan B. Pan-Cytokeratin Positive Fibroblastic Osteosarcoma of Jaw: An Extremely Rare Entity in a Pediatric Patient.Clin Med Insights Pediatr. 2019 Apr 12;13:1179556519842827. doi: 10.1177/1179556519842827.
- Garima Rawat, Aadithya B Urs, Priya Kumar ,Anita Chakravarti DNA damage in buccal cells in oral PMDs and malignant disorders by comet assay: a comparison with blood leukocytes. Brazilian Journal of Oral Science Volume 18 2019 e191430
- Garima Rawat, Aadithya B Urs, Priya Kumar ,Anita Chakravarti DNA damage in buccal cells in oral PMDs and malignant disorders by comet assay: a comparison with blood leukocytes. Brazilian Journal of Oral Science Volume 18 2019 e191430
- Kumar P, Surya V, Urs AB, Augustine J, Mohanty S, Gupta S. Sarcomas of the Oral and Maxillofacial Region: Analysis of 26 Cases with Emphasis on Diagnostic Challenges. Pathol Oncol Res. 2019 Apr;25(2):593-601. doi: 10.1007/s12253-018-0510-9. Epub 2018 Oct 31.
- Bhanu Priya, Vipul Jain, Aakanksha Malhotra. Giant Cell: Cells Unite to Fight, International Journal of Contemporary Medical Research, July 2019: 6(7): 9-13.
- Urs AB, Augustine J, Negi D, Kumar RD, Ghosh S.Pleomorphic adenoma: a rare presentation in buccal salivary gland with extensive squamous and mucous metaplasia. Pan Afr Med J. 2019 Jun 26;33:147. doi: 10.11604/pamj.2019.33.147.17550.

Books/ Chapters /Contributed:

- Dr Priya Kumar has contributed a Chapter entitled 'Evolution of jaws and teeth' in Sivapathasundaram B. Textbook of oral embryology and histology, 1st edition, Jaypee Publishers, New Delhi, 2019.
- Ganesh G, Tripathi T. "Skeletal Anchorage System." Asserting Orthodontic Anchorage. New Delhi: Ocean Publishing House,2019. Page no(x-y)

Conferences/Workshops/Symposiums attended:

- National BDS Students Convention in Oral Medicine & Radiology at KD Dental College and Hospital, Mathura on 9th February, 2019 was attended by Dr. Sunita Gupta.
- Workshop on Haemophilia Management: Setting a Direction at India International Centre, Max Mueller Marg, Delhi on 23rd Feb 2019 was attended by Dr. Sunita Gupta.
- Global American Academy of Implant Dentistry and 1st Asian Hard and Soft tissue Symposium
- Leela Ambience Convention Hotel, Delhi on 1st-3rd March 2019 was attended by all faculty.
- Guest Lecture on Diagnosis of Bone Lesions using CBCT at MAIDS on 25th January 2019 was attended by all faculty.
- International conference on International Oral Pre-Cancer & Cancer Congress: Biomarkers and Technologies in treatment at KGMU, Lucknow on 4-6th April 2019 was attended by Dr. Sunita Gupta & Dr. Zainab Chaudhary.
- International conference on IADR/CADR/AADR General Session 2019 at Vancouver, Canada on
- 18th-22nd June 2019 was attended by Dr. Sunita Gupta.
- Workshop on School Oral Health treating Healthy smiles for future at MAIDS on 25th January 2019 was attended by all faculty.
- CDE on Artificial Intelligence enter into future at MAIDS on 24th October 2019 was attended by all faculty.
- Workshop on Live Operative Workshop on Orthognathic Surgery at MAIDS on 5th November 2019 was attended by all faculty.
- Workshop on Ethics in Biomedical Research and Good Clinical Practise at MAIDS on 6th November 2019 was attended by all faculty.
- XXXI National IAOMR Conference at IAOMR/Amritsar on 15- 17th November 2019 was attended by Dr. Sunita Gupta, Dr. Sujoy, Dr. Meera, Dr. Priyanka, & Dr. Shriya .
- 27th IES National Conference at Hotel Lalit, New Delhi on 21st December 2019 was attended by all faculty.
- 17th National triple O Symposium at Nair Hospital Dental College, Mumbai on 15th- 17th March 2019 was attended by Dr. Sujoy Ghosh.
- 17th National Conference of Indian Association of Forensic Odontology at MAIDS on 20-22nd September 2019 was attended by all faculty.
- Conference on Addressing Challenges and solution towards Sustainable Human Health at Royal Plaza, Delhi on 13th February, 2019 was attended by Dr. Meera Choudhary & Dr. Monika Kelkar.
- Workshop on Healthcare Waste Management, Environment and Occupational Safety at Indian Habitat Centre on 25-26th April 2019 was attended by Dr. Meera Choudhary & Dr. Monika Kelkar.
- Conference on New India: Aspiring 5$ Trillion Economy at Vigyan Bhawan, Delhi on 28th December 2019 was attended by Dr. Meera Choudhary& Dr. Monika Kelkar.
- Conference on AOMSI Master Class at AOMSI/Sudha Rustagi College of Dental Sciences and Research, Faridabad, Haryana on 28th - 31st March 2019 was attended by Dr. Sujata Mohanty & Dr. Pankaj Sharma.
- Conference on Advances in Orthognathic Surgery at AIIMS, New Delhi on 19-20th July,2019 was attended by Dr. Sujata Mohanty & Dr. Itrat Hussain.
- Conference on Advances in Management of Facial Trauma at AIIMS, New Delhi on 23-24th August, 2019 was attended by Dr. Sujata Mohanty & Dr. Itrat Hussain.
- 44th Annual Conference of Association of Oral and Maxillofacial Surgeons of India (AOMSI) at Bengaluru, Karnataka on 16-19th November, 2019 was attended by Dr. Sujata Mohanty & Dr. Zainab Chaudhary.
- CDE Program on Viral Hepatitis in Dentistry at ILBS, Vasant Kunj, Delhi on 21st November 2019 was attended by Dr. Pankaj Sharma, Dr. Shruti Tandon, Dr. Archita.
- Workshop on Newer Trends in Oral Health Rehabilitation. Zygomatic Implants: From Concept to Surgery at Safdarjung Hospital, New Delhi on 5th January 2019 was attended by Dr. Sanchaita Kohli.
- Conference on Zygomatic Implant "All on Four" at Subharti Dental College, Meerut on 18-19th September, 2019 was attended by Dr. Itrat Hussain.
- 3rd International Conference of Cortical Implantology at KGMC, Lucknow on 22nd-24th July ,2018 was attended by Dr. Vaibhav Anand.
- DEN ASIA Conference at Jaipur on 11th January 2019 was attended by Dr. Mahesh Verma.
- Indian Dental Association Conference at Indore on 19 th January 2019 was attended by Dr. Mahesh Verma.
- Panel Discussion on "Harm Reduction" at India Habitat Centre, New Delhi by Heart Care Foundation of India was attended by Dr. Mahesh Verma.

- 21st Indian Prosthodontic Society (IPS) National PG Convention organized by Indian Prosthodontic Society (IPS) at Narsinhbhai Patel Dental College & Hospital, Visnagar, Gujarat, India on 5 -7th, April 2019 was attended by D. Mahesh Verma, DrRekha Gupta, DrShubhra Gill & Dr. ModhupaGhosh.
- NABH Assessors workshop on Dental Health Care Service Providers Accreditation Standards was attended by DrSadhana Mate.
- PG Certificate course in Quality Management and Accreditation of Health Care Organization was attended by DrSadhana Mate.
- Workshop on "Newer trends in oral health rehabilitation: Zygomatic Implants- from concept to surgery" at Safdarjung Hospital on January 2019 was attended by DrRekha Gupta, DrShubhra Gill & Dr. ModhupaGhosh.
- 47th IPS National Conference at Raipur on 28 th Nov to 1 st Dec 2019 was attended by DrRekha Gupta & DrShubhra Gill.
- Lecture on Lasers in endodontics by Dr. Adam Stabholz at MAIDS New Delhi on 28th February 2019 was attended by all faculty.
- Workshop on Dental Fluorosis – Cosmetic Problems And Remedial Measures at Directorate Of Health Services , New Delhi on 7th March 2019 was attended by Dr. Ruchika Roongta Nawal.
- 20th IACDE-IES PG Convention 2019 at Panchkula ,Chandigarh on 8 – 9th March 2019 was attended by Dr. Sangeeta Talwar & Dr. Ruchika Roongta Nawal.
- Hands on Workshop on Possibilities and Limitations Of the Modern Endodontics" by Dr. Filippo Santarcangelo at Hotel The Lalit , New Delhi on 13th April 2019 was attended by Dr. Sangeeta Talwar & Dr. Ruchika Roongta Nawal.
- 20th Scientific Congress of Asian Pacific Endodontic Conferation & 14th International Congress of Turkish Endodontic Society at Istanbul, Turkey on 24th – 27th April 2019 was attended by Dr. Sangeeta Talwar.
- Hands on Workshop on "A Master Class on Modern Aesthetic Dentistry" by Dr. Mario Besek at Hotel The Lalit , New Delhi on 25th April 2019 was attended by Dr. Ruchika Roongta Nawal.
- Hands on and Lecture on Layering Technique (3M Company) by Dr Nidhi Suri Kohli at MAIDS on 6th May 2019 was attended by All faculty.
- 13th IAPHD National PG Convention (Indian Association of PHD) at MAIDS, New Delhi on 13th – 14th June, 2019 was attended by All faculty.
- IACDE 2nd North Zone Conference, 2019 at KGMU, LUCKNOW on 26-27th August, 2019 was attended by Dr. Sangeeta Talwar.
- Workshop of MCQ Question Bank in Dental Science at NBE Office, Dwarka, New Delhi on 22nd July 2019 was attended by Dr. Sangeeta Talwar & Dr. Ruchika Roongta Nawal
- Workshop on MCQ Question Bank in Dental Science at NBE Office, Dwarka, New Delhi on 28th August 2019 was attended by Dr. Sangeeta Talwar & Dr. Ruchika Roongta Nawal
- Workshop on Basic Life Support/ Advanced Cardiac Life Support Course at Swarn Jayanti Auditorium, Lady Hardinge Medical College, New Delhi on 12th-14th October, 2019 was attended by Dr. Pankaj Prasad & Dr. Mohit Galani.
- 32nd ISDR National Conference at Narayani Heights, Ahmedabad on15-17th Nov 2019 was attended by Dr. Seema Yadav & Dr.Mridula Goswam.
- A Lecture Series on Dentistry : The Destination Ahead at Dr. M.A. Ansari Auditorium, Jamia Milia Islamia, New Delhi on 25th November2019 was attended by Dr. Sangeeta Talwar & Dr. Ruchika Roongta Nawal.
- 34th IACDE National Conference at CIDCO Exhibition center Mumbai on 29 Nov - 01 Dec 2019 was attended by Dr. Seema Yadav.
- Preconference course on Click like Kadel" ; attended course on dental photography at MAIDS, New Delhi on 20 December, 2019 was attended by Dr. Sangeeta Talwar, Dr. Ruchika Roongta Nawal & Dr. Vikrant Mohanty.
- 2nd IACDE Central zonal conference at Raipur, M.P. on 4th August 2019 was attended by Dr. Ruchika Roongta Nawal.
- Training workshop on IACDE Faculty development program at Vishakhapatnam on 7th July 2019 was attended by Dr. Ruchika Roongta Nawal.
- 23rd IOS PG Convention at ITS, Greater Noida on 21st – 24th Feb, 2019 was attended by Dr Tulika Tripathi, Dr Priyank Rai, Dr Anup Kanase, Dr Neha, Dr Navneet Singh, Dr Shilpa Kalra, Dr Ram Gopal & Dr Gayatri Ganesh.
- North Zonal PG Convention at Jamia Milia Islamia, New Delhi on 27th - 29th September, 2019 was attended by Dr Tulika Tripathi, Dr Priyank Rai, Dr Anup Kanase, Dr Shilpa Kalra, Dr Ram Gopal & Dr Gayatri Ganesh.
- National Training Program in Cleft and Craniofacial Orthodontics at AIIMS, New Delhi on 19th-21st August,2019 was attended by Dr Neha.

- 54th Indian Orthodontic Conference at SOA Auditorium, Bhubaneshwar on 22nd -24th November,2019 was attended by Dr Tulika Tripathi, Dr Priyank Rai, Dr Anup Kanase, Dr Neha & Dr Gayatri Ganesh.
- CDE programme on Research Methodology symposium cum Workshop at MAMC, New Delhi on 14th Dec,2019 was attended by Dr Tulika Tripathi, Dr Priyank Rai, Dr Neha &Dr Navneet Singh.
- 2nd Biennial Conference of "South Asian Association of Pediatric Dentistry at Kathmandu, Nepal on April 2019 was attended by Dr.Mridula Goswami, Dr. Gyanendra Kumar & Dr. Jatinder Kaur.
- Workshop on Indian Society of Pedodontics and Preventive (ISPPD) at AIIMS, New Delhi on May, 2019 was attended by Dr.Mridula Goswami.
- Workshop on PG Orientation Program at I.T.S Centre for Dental Studies and Research at Murad Nagar, Ghaziabad on May 2019 was attended by Dr.Mridula Goswami.
- 27th Congress of the International Association of Paediatric Dentistry(IAPD) at Cancun, Mexico on July, 2019 was attended by Dr.Mridula Goswami.
- 41st ISPPD National Conference at Greater Noida on Nov, 2019 was attended by Dr.Mridula Goswami & Dr. Gyanendra Kumar.
- National convention on 1st 3M scientific convention for academic excellence at New Delhi on Nov, 2019 was attended by Dr.Mridula Goswami.
- National Conference on Indian Society Of Dental Trauamtology at Chennai on Dec, 2019 was attended by Dr.Mridula Goswami.
- 14th PG Convention of ISPPD at Meerut on Feb,2019 was attended by Dr. Gyanendra Kumar.
- Annual Congress of TAPD at Taichung, Taiwa on June, 2019 was attended by Dr. Gyanendra Kumar.
- CDE Programme on Current concepts in management of pediatric dental trauma at Sudha Rustagi college of dental sciences and research, Faridabad on Dec, 2019 was attended by Dr.Monika Grewal.
- Symposium on Periodontal & Peri – implant Plastic surgery Symposium & Microsurgical Cadaveric Workshop at AIIMS, Delhi on 3-4th Oct 2019 was attended by Dr. Arundeep Kaur Lamba & Dr. Archita.
- 44th National Conference of Indian Society of Periodontology at The Grand Castle, Bengaluru on 8-10 nov 2019 was attended by Dr. Arundeep Kaur Lamba, Dr. Farrukh Faraz & Dr. Shruti Tandon.
- Workshop on Improving Availibility & Rational Use of Medicine In Public Health Facilities at MAMC, Deptt of Pharmacology on 19 – 22nd February 2019 was attended by Dr. Deepmala.
- Conference on Integrate 2019 "Newer Perspectives In Lasers & Periodontology" at Radisson Blu Hotel, New Delhi on 3-4th Aug 2019 was attended by Dr. Deepmala & Dr. Archita.
- Pre conference course on Immediate implant placement & provisionalization with CT graft by Dr. Joseph Kan at The leela, New Delhi on 28th Feb 2019 was attended by Dr. Archita.
- Delhi Dental Show, Indian Dental Association at Delhi on 3th -14th July,2019 was attended by All faculty.
- 24th National Conference of the Indian Association of Public Health Dentistry on "Public Health Dentistry Beyond Preventive Dentistry at Ramoji Film City, Hyderabad on 15th-17th November,2019 was attended by Dr. Vikrant Mohanty & Dr. Aswini Y B.
- Workshop on Evidence 2 Policy at The Park Hotel, Connaught Place on 20th December, 2019 was attended by Dr. Aswini Y B.
- ECHO India Orientation program at The Suryaa Hotel, New Delhi on 2nd May 2019 was attended by Dr. Aswini Y B.
- National Institutional Ranking Framework (NIRF) 2019 release ceremony by the President of India at Delhi on April 9, 2019 was attended by Dr. Aswini Y B
- CDE programme on Salivary gland symposium at ESIC Dental College, Rohini on 15th March 2019 was attended by Dr. Dr Aadithya B. Urs, Dr. Priya Kumar & Dr. J. Augustine.
- Workshop on Subject expert & invited faculty for PG course curriculum at IAOMP at Bhubaneshwar on 13th July 2019 was attended by Dr. Dr Aadithya B. Urs.
- National Consultation on Tobacco and Oral Health by Ministry of HFW and WHO Workshop at Hotel Lalit on 6th November 2019 was attended by Dr. Priya Kumar.
- TOT courses on Forensic examination in Sexual offence case at LNJN National Institute of Criminology & Forensic Science on 13th -14th June 2019 was attended by Dr. J. Augustine & Dr. Thamarai Selvan.
- 2 Day National Workshop on "Stengthening of forensic capabilities in India" at LNJN National Institute of Criminology & Forensic Science on 15th to 16th October 2019 was attended by Dr. J. Augustine.
- International Summit on Humanitarian Forensics on "Transversality of humanitarian Forensics in meeting family and community needs across relevant contexts globally" at International Centre for Humanitarian Forensics, Gandhinagar, Gujarat on 5th to 7th September 2019 was attended by Dr. J. Augustine.

- XXVIII IAOMP National Conference at Thiruvananthapuram on 1st to 3rd November 2019 was attended by Dr. J. Augustine.
- Workshop on WE CAN INDIA CAN-An initiative of Indian association of oral& maxillofacial pathology at ESIC Dental college and hospital, New Delhion 19-10-19 was attended by Dr. Bhanu Priya.
- 6th INPAFO world conference at Chandigarh on February 15 to 17, 2019 was attended by Dr. Thamarai Selvan.

Visitors

- Ms. Cheryl Parker, Executive Director (May 2017 – July 2019) American Academy of Implant Dentistry visited the institute on 6th March 2019.
- Ms. Christine DiGiovani, Director of Education American Academy of Implant Dentistry visited the institute on 6th March 2019.
- Mr. Gilbert Archermann, Chairman of the Board, Straumann group visited the institute on 16th April 2019.
- Shri. Anil Baijal, Hon'ble Lieutenant Governor, Delhi joined us for the celebrations of World Oral Health Day on 20th March 2018.
- Dr. Kishor Gulabivala, Head of Unit of Endodontology at UCL Eastman Dental Institute and Head of Department of Restorative Dentistry at UCL Eastman Dental Institute on 23 December, 2019
- Dr. Mahima Tilakchand, Professor, Dept of Conservative Dentistry & Endodontics at SDM Dental College, Dharwad on 23 December, 2019
- Dr. Mohammad Nekoofar, Director of International Relations, Tehran University of Medical Sciences on 24 December, 2019.
- Shri D.S Negi, Chief Executive Officer, Rajiv Gandhi Cancer Institute & Research Centre, Delhi visited the institute on 12th September 2019.
- Prof (Dr.) Peter Mossy, and his team from School of Dentistry, University of Dundee visited the institute on 2019.
- Dr. Nilav Bhagabati, Professor
  Department of Prosthodontics
  PDPM-IIT Design and Manufacturingvisited the institute on 4th October 2019
- Pro (Dr) Patrick Thevissen, Programme director and head
  Master of Forensic Odontology (Msc) at Katholieke Universiteit Leuven,
  Faculty of Medicine
  Department of Oral Health Sciences
  Forensic Dentistry
  Kapucijnenvoer, Leuven
  Belgium visited the institute on 20th September 2019.
- Pro(Dr) Roberto Cameriero, Anthropologist, University of Macerata, Italy visited the institute on 20th September 2019.
- Dr Hemlata Pandey, Forensic Odontologist, Seth GS Medical College and KEM Hospital, Mumbai, Chief Faculty, Indian Board of Forensic Odontology visited the institute on April 2019.
- Dr Dimitris Emmanouil, DDS,MS,Phd, Professor at Faculty of Dentistry, National and Kapodistrian University of Athens, Greece visited the institute on 2019.
- SHINGO KURIYAMA , Director, Mani Medical India Pvt Ltd visited the institute on 26th July 2019.
- TERUO TAKAHASHI, Executive officer and division head, Mani Medical India Pvt Ltd visited the institute on 26th July 2019.
- Amitabh Kant , CEO of NITI Aayog visited the institute on
- Nitin Gadkari Minister for Road Transport & Highways of India and Shipping Ministry of Micro, Small and Medium Enterprises visited the institute on
- Joao Paul Beldi, President of Newton Paiva from Newton Paiva University in Minas Gerais, Brazil visited the institute on 9th May 2019.
- Tereza Cristina Cunha from Newton Paiva University in Minas Gerais, Brazil visited the institute on 9th May 2019.
- Evendro deOliveira Montes from Newton Paiva University in Minas Gerais, Brazil visited the institute on 9th May 2019.
- Mr Achermann Gilbert, Chairman of the Board, at Straumann group, Swtizerland visited the institute on 16th April 2019.
- Dr, Maher Almasri, Director of BPP University Faculty of Dentistry, London, England visited the institute on 13th February 2019.
- Ms. Kavita Sud, visited the institute on 5th February 2019.

- Dr. Mark E. Nehring, professor and chair, Department of Public Health and community service at Tufts University, School of Dental Medicine, Bostonvisited the institute on 6th November 2019.
- Lieutenant Governor of Delhi ,Anil Baijal visited the institute on 17 May 2019.
- Dr. John Morgan, Professor and Director of Special Projects and Global Service Learning in the Department of Public Health and Community Service at Tufts University School of Dental Medicine, Boston visited the institute on 6th November 2019.

Significant Events (Honors to Institute & Faculty):

- The institute has been further NABH accreditated for 2018- 2021.
- The institute has been judged as the best dental college among all the Dental Institutes in India by the The Outlook Magazine`s survey on Best Dental Colleges 2019.
- The institute has been judged as the best dental college among all the Dental Institutes in India by the The India Today Survey on Best Dental Colleges 2019.
- The Week Magazine has ranked our Institute the no.1 among Dental Colleges in India The institute has been exalted in the categories of research, patient work and infrastructure.
- The institute was awarded "Dr. Kedar N. Rustagi Award 2018" by the Inernational College of Dentists at ICD Annual Convocation & Award function Hyderabad in the month of 15th December 2018.
- The institute was awarded Rao Memorial Award for Highly commendable out reach program for the year 2018 in the Famdent Excellence Awards 2018 at Mumbai on 9th December 2019.
- Dr Mahesh Verma, Director-Principal of Maulana Azad Institute of Dental Sciences (MAIDS), has been appointed the Vice-Chancellor (VC) of Guru Gobind Singh Indraprastha University in July 2019.
- Dr Tulika Tripathi was awarded the State Award for the year 2014-15 by Dept of Health & Family Welfare, Govt of NCT Delhi at MAMC Auditorium, New Delhi in the month of 18th February 2019.
- Dr Tulika Tripathi was awarded the Dr H.S. Sheikh Memorial Oration on "Class III malocclusion: Challenges and Solutions" by 23rd IOS PG Conevention at ITS, Greater Noida in the month of 21st – 24th Feb, 2019.
- Dr. Seema Yadav was awarded the Best Paper Presentation Award by 34th IACDE National Conference at Navi Mumbai in the month of 29 Nov 2019 – 1St December 2019.
- DR. SUJOY GHOSH was awarded 2nd Place for Scientific Paper Presentation by 17th National Triple O Symposium at Nair Hospital Dental College, Mumbai in the month of 15th -17th March 2019.
- Dr, Aswini Y B was awarded the 2nd best paper award for the session by 24th National Conference of the Indian Association of Public Health Dentistry at Hyderabad in th month of 15th November,2019.
- Dr. Sunita Gupta delivered a Poster presentation on "Novel Treatment and Prognostic Value of EMT Biomarkers in Oral Submucous Fibrosis " at IADR 2019 Vancouver, Canada in the month of 20th June 2019.
- Dr. Sunita Gupta delivered a Guest lecture in National BDS Students Convention in Oral Medicine & Radiology at KD Dental College and Hospital, Mathura in the month of 9th February 2019.
- Dr. Sunita Gupta delivered a Keynote Speaker at International Oral Pre-cancer and Cancer Congress at KGMU, Lucknow in the month of 4th -6th April 2019.
- Dr. Sunita Gupta delivered a Guest lecture at World Radiology Day 2019 at SGT, Gurgaon in the month of 9th November 2019.
- Dr. Sunita Gupta was a Panelist on Mouth and Body Connection in Health and Disease at IIC, New Delhi in the month of 3rd June 2019.
- Dr. Sujoy Ghosh delivered a scientific paper presentation on "Efficacy of cryotherapy in the treatment of oral vascular malformation: A pilot study" at 17th National triple O Symposium, Nair Hospital Dental College, Mumbai in the month of 15th- 17th March 2019.
- Dr. Sujoy Ghosh, Dr. Khushboo Singh & Dr. Shikha delivered a scientific poster presentation on "A Study on Diversity in Dental Pattern and role of identification in Indian Population" at 17th National Conference of Indian Association of Forensic Odontology, MAIDS in the month of 21st September 2019.
- Dr. Sujoy Ghosh Chaired a session of Scientific paper presentation at 17th National Triple O Symposium at Nair Hospital Dental College, Mumbai in the month of 15th – 17th March 2019.
- Dr. Sujata Mohanty delivered a Scientific paper presentation on "Novel technique of harvesting the Sternoclavicular Graft" at 44th Annual Conference of Association of Oral and Maxillofacial Surgeons of India (AOMSI), AOMSI, Bengaluru, Karnataka in the month of 16-19 November, 2019.
- Dr. Sujata Mohanty delivered a Guest Lecture on "Orthognathic surgery – Mandibular Procedures including genioplasty" at AOMSI Master Class, Sudha Rustagi College of Dental Sciences and Research, Faridabad, Haryana in the month of 28th - 31st March 2019.

- Dr. Sujata Mohanty delivered a Guest lecture on "Surgical approaches to mandible" Advances in Management of Facial Trauma at AOCMF/AIIMS, New Delhi in the month of 23-24th August, 2019.
- Dr. Sujata Mohanty delivered a Guest lecture on "Versatility of Genioplasty -Principles and Video presentation" at AIIMS, New Delhi in the month of 19th -20th July,2019.
- Dr. Pankaj Sharma delivered a Guest Lecture on" Fluid and Electrolyte Balance" at AOMSI Master Class, Sudha Rustagi College of Dental Sciences and Research, Faridabad, Haryana in the month of 28th - 31st March 2019.
- Dr. Zainab Chaudhary delivered a Guest Speaker on "Verrucous Carcinoma of Oral Cavity: Absolving the dilemmas and Ascertaining the advancements" at KG Medical University, Lucknow in the month of 4th -6th April,2019.
- Dr. Zainab Chaudhary Chaired a Session on "Women in OMFS" at 44th Annual Conference of Association of Oral and Maxillofacial Surgeons of India (AOMSI), Bengaluru, Karnataka in the month of 16-19th November, 2019.
- Dr. Monica Kelkar delivered a scientific poster presentation on "Knowledge and Practice Related to Dental Disability Evaluation" at 17th National Conference of Indian Association of Forensic Odontology, Delhi in the month of 21st-22nd September, 2019.
- Dr Rekha Gupta delivered a guest speaker on "Trouble shooting complete dentures" at ESI Hospital Delhi in the month of September 2019.
- Dr Rekha Gupta delivered a guest speaker on "All Ceramic Restorations-current trends' at Santosh dental college and hospital in the month of October 2019.
- DrHarsimranKaur delivered a lecture on "Upgrading complete dentures – incorporating contemporary techniques" at Preconference Course, 46th IPS National Conference, Mangalore, in the month of November 2019.
- Dr. Sangeeta Talwar was Elected Vice President of Indian Endodontic Society in the month of November 2019.
- Dr. Sangeeta Talwar delivered a Keynote lecture on "Instrument Retrieval in Endodontics – Status Quo" at 20th National IACDE PG Convention , Chandigarh in the month of 8th March 2019.
- Dr. Sangeeta Talwar, Dr. Ruchika Roongta Nawal & Dr. Amit Malhotra delivered a Review presentation on DST Project "Design and Development if Indigenous Instrument retrieval equipment for removal of broken/separated files during endodontic therapy" at Sri Chitra Tirunal Institute for Medical Sciences & Technology, Thiruvananthapuram, Kerala in the month of 22nd March 2019.
- Dr. Sangeeta Talwar delivered a Keynote lecture on "Calcium Silicate Based Cements – An Endodontics Panacea" at 20th Scientific Congress of Asian Pacific Endodontic Confederation & 14th International Congress of Turkish Endodontic Society, Istanbul, Turkey in the month of 26th April 2019.
- Dr. Ruchika Roongta Nawal delivered a Keynote lecture and was a Course Mentor on "Vital Pulp Therapy and Bio Active Materials" at IACDE Faculty development Program, Vishakhapatnam, IACDE in the month of 7th July 2019.
- Dr. Ruchika Roongta Nawal delivered a Keynote Lecture on "Regenerative Endodontics " Preserve the Natural Protocols" at IACDE Conference, Raipur ; M.P, in the month of 4th August 2019.
- Dr. Sangeeta Talwar delivered a Keynote Lecture on " Bioactive Materials in Endodontic – An Evidence Based Review" at 2nd IACDE North Zone Conference at KGMU, Lucknow in the month of 26th August 2019.
- Dr. Ruchika Roongta Nawal delivered a scientific paper presentation on "Comparative Evaluation of Effectiveness of Contemporary Instrument Retrieval Systems and its effect on fracture resistance of teeth " at 19th Biennial meet of European Society of Endodontics, ESE , Vienna ; Europe in the month of 11th to 15th September 2019.
- Dr. Seema Yadav delivered a scientific paper presentation on "Composite restorations using magnification" at 32nd ISDR National Conference, Ahmedabad in the month of 16th November, 2019.
- Dr. Sangeeta Talwar delivered a Guest Lecture on "Finite Element Analysis : " An Essential Tool for Biomechanical Analysis" at ESIC Dental College & Hospital, New Delhi in the month of 13th December 2019.
- Dr. Seema Yadav delivered a scientific paper presentation on " Minimal invasive endodontics" at 27th IES National conference. Hotel Lalit,New Delhi in the month of 21st December, 2019.
- Dr. Mohit Galani delivered a scientific paper presentation on "Comparative evaluation of success rate of pulpotomy and root canal treatment in cariously exposed permanent molars– A Randomized Controlled Trial" at 27th Indian Endodontic Society National Conference, MAIDS, New Delhi in the month of 20th - December, 2019.
- Dr Tulika Tripathi delivered a Guest Lecture on "Class III management in Craniofacial Anomalies: Challenges & Solutions" at Rendezvous COSG-2019: Expanding the Knowledge, Chandigarh in the month of 8th September 2019.
- Dr Tulika Tripathi delivered a Guest Lecture on "Smile Dynamics: The Art and Science of Facial Esthetics" at 54th Indian Orthodontic Conference, Bhubaneshwar in the month of 22nd-24th November,2019.
- Dr Priyank Rai delivered a Guest Lecture on "Vector Controlled Intrusion by Skeletal Anchorage" at 23rd IOS PG Convention, ITS, Greater Noida in the month of 21st – 24th Feb, 2019.
- Dr Priyank Rai delivered a Guest Lecture on "Vertical Control of Vectors in Skeletal Anchorage" at Rendezvous COSG-2019: Expanding the Knowledge, Chandigarh in the month of 8th September 2019.

- Dr Priyank Rai delivered a Guest Lecture on "Unraveling Class III Malocclusion" at 54th Indian Orthodontic Conference, Bhubaneshwar in the month of 22nd -24th November, 2019.
- Dr Anup Kanase delivered a Guest Lecture on "Lasers – the current trend for accelerated Orthodontics" at North Zonal PG Convention, Jamia Milia Islamia, New Delhi in the month of 29th September, 2019.
- Dr Neha delivered a Guest Lecture at 54th Indian Orthodontic Conference, Bhubaneshwar in the month of 22nd -24th November,2019.
- Dr Shilpa Kalra was awarded the IOS RF 3M- Unitek Grant for Research at Indian Orthodontic Society in the month of October 2019.
- Dr Neha chaired a session for Student Paper Presentation Sessions at 23rd IOS PG student's convention, ITS Greater Noida in the month of 21-24th Feb,2019.
- Dr Navneet Singh chaired a session for Student Paper Presentation Sessions at 23rd IOS PG student's convention, ITS Greater Noida in the month of 21-24th Feb,2019.
- Dr Shilpa Kalra chaired a session for Student Paper Presentation Sessions at 23rd IOS PG student's convention, ITS Greater Noida in the month of 21-24th Feb,2019.
- Dr Ram Gopal chaired a session for Student Paper Presentation Sessions at 23rd IOS PG student's convention, ITS Greater Noida in the month of 21-24th Feb,2019.
- Dr Neha delivered a scientific E Poster on "Pre surgical orthopaedics in infants with Cleft Lip and Palate. Is it effective?? Is it stable ??" at National Training Program in Cleft and Craniofacial Orthodontics, AIIMS, New Delhi in the month of 9th- 21st August, 2019.
- Dr Gayatri Ganesh delivered a scientific Paper Presentation on "Adolescent Class III : Elude the expected" at 54th Indian Orthodontic Conference, Bhubaneshwar in the month of 22nd -24th November,2019.
- Dr.Mridula Goswami & Dr. Gyanendra Kumar delivered a scientific Paper Presentation on "Sports Dentistry" at 2nd Biennial Conference of "South Asian Association of Pediatric Dentistry" Kathmandu, Nepal in the month of April 2019.
- Dr.Mridula Goswami delivered a scientific Paper Presentation on " Orientation Of Post Graduate Students" at PG Orientation Program at I.T.S Centre for Dental Studies n Research, Murad Nagar, Ghaziabad in the month of May 2019.
- Dr.Mridula Goswami delivered a scientific Paper Presentation on "Sports Dentistry" at 27th Congress of the International Association of Paediatric Dentistry (IAPD), Cancun, Mexico in the month of July 2019.
- Dr.Mridula Goswami delivered a scientific Paper Presentation on "GO -Sports Dentistry" at ISDR Conference, Ahmedabad in the month of Nov 2019.
- Dr.Mridula Goswami delivered a scientific Paper Presentation on "Regenerative Endodontics" at 41st ISPPD National Conference, Greater Noida in the month of Nov 2019.
- Dr.Mridula Goswami delivered a scientific Paper Presentation on "Dental health & Sports Drinks" at ISDT conference, Chennai in the month of Dec,2019.
- Dr. Gyanendra Kumar delivered a scientific Paper Presentation on " Laser Dentistry" at Annual Congress of TAPD, Taichung, Taiwan in the month of June, 2019.
- Dr.Mridula Goswami Chaired a scientific session at 5th Global American Academy of Implant Dentistry(AAID) Conference and 1st Asian Hard and Soft Tissue Symposium, New Delhi in the month of 1st -3rd March, 2019.
- Dr.Mridula Goswami delivered a Guest Lecture at 2nd Biennial Conference of "South Asian Association of Pediatric Dentistry" at Kathmandu, Nepal in the month of April 2019.
- Dr.Mridula Goswami delivered a Guest Lecture at PG Orientation Program at I.T.S Centre for Dental Studies & Research, Murad Nagar, Ghaziabad in the month of May 2019.
- Dr.Mridula Goswami delivered a Guest Lecture at 27th Congress of the International Association of Paediatric Dentistry(IAPD) Cancun, Mexico in the month of July, 2019.
- Dr.Mridula Goswami delivered a Guest Lecture at 41st ISPPD, Greater Noida in the month of Nov 2019.
- Dr.Mridula Goswami delivered a Guest Lecture at Indian Society For Dental Research(ISDR) in the month of Nov 2019.
- Dr.Mridula Goswami delivered a Guest Lecture at Indian Society Of Dental Trauamtology in the month of Dec,2019.
- Dr. Gyanendra Kumar delivered a Guest Lecture at 2nd Biennial Conference of "South Asian Association of Pediatric Dentistry" at Kathmandu, Nepal in the month of April 2019.
- Dr. Gyanendra Kumar delivered a Guest Lecture at Annual Congress of TAPD at Taichung, Taiwan in the month of June 2019.

- Dr. Arundeep Kaur Lamba delivered a Guest Lecture on "Periodontal & Peri implant plastic surgery – An overview" at AIIMs Periodontal & Peri – implant Plastic surgery Symposium & Microsurgical Cadaveric Workshop, AIIMS, New Delhi in the month of 3 -4th Oct 2019.
- Dr. Deepmala & Dr. Kamal delivered a scientific poster presentation on "Full mouth Rehabilitation with tilted implants" at 5th GAAID Conference, The Leela, New Delhi in the month of 1-3rd march 2019.
- Dr. Farrukh delivered a scientific paper presentation on " Evaluation of the efficacy & safety of indigenously developed dental implants – A randomized clinical Non indigenously Phase I Clinical trial." at 5th GAAID Conference, The Leela, Delhi in the month of 1-3rd March 2019.
- Dr. Farrukh delivered a scientific paper presentation on "Evaluation of the efficacy & safety of indigenously developed dental implants – A Randomized Controlled Non – Inferiority Clinical trial" at 44th ISP conference, The Grand Palace, Bengaluru in the month of 8 – 9th Nov 2019.
- Dr. Shruti delivered a Guest Lecture on " Periodontal diseases & Hepatic disorders- Dentist's View Point" at Viral Hepatitis in dentistry conference, Institute of liver and biliary sciences in the month of 21st Nov 2019.
- Dr. Vikrant Mohanty delivered a scientific paper presentation on "Narrative Review on "Tobacco Cessation Integration in Primary Healthcare: Roadmap to Integration." at 24th National Conference of the Indian Association of Public Health Dentistry on "Public Health Dentistry Beyond Preventive Dentistry at Ramoji Film City, Hyderabad in the month of 15th-17th November, 2019.
- Dr.Aswini delivered a scientific paper presentation on "National Oral Health Policy- Contextual factors, actors, and processes." at 24th National Conference of the Indian Association of Public Health Dentistry on "Public Health Dentistry Beyond Preventive Dentistry at Ramoji Film City, Hyderabad in the month of 15th-17th November, 2019.
- Dr. Vikrant Mohanty delivered a Seminar on "Tobacco Cessation" at Faculty of Dental Sciences, Banaras Hindu University in the month of 24th February,2019.
- Dr. Vikrant Mohanty delivered a Guest Lecture on " Tobacco Cessation" Workshop at Adesh Institute of Dental Sciences and Research, Bhatinda in the month of 7th May, 2019.
- Dr. Vikrant Mohanty delivered a Guest Lecture on "Tobacco Control in India" at Faculty of Dental Sciences, SGT University, Gurugram in the month of 25th May, 2019.
- Dr. Vikrant Mohanty delivered a Guest Lecture on "Master Training for Training of Trainers of Madhya Pradesh" at National Institute of Health and Family Welfare, MOHFW under NTCP in the month of 10th July 2019.
- Dr. Vikrant Mohanty delivered a Guest Lecture on "Tobacco Cessation- New Vista of Dental Practice for Dental Professionals" at Delhi Dental Show in the month of 14th July, 2019.
- Dr. Vikrant Mohanty delivered a Guest Lecture on "Curriculum Reform Workshop" at IAPHD, Dayanand Sagar Dental College and Hospital, Bangalore in the month of 24th August 2019.
- Dr. Vikrant Mohanty delivered a Lecture on " Orientation Program for 2019 Batch" at Maulana Azad Institute of Dental Sciences in the month of 27th September 2019.
- Dr. Vikrant Mohanty delivered a Lecture at State Level Training for establishing Tobacco Cessation Clinics in Dental Colleges, Karnataka State Tobacco Control Cell in the month of 30th September 2019.
- Dr. Vikrant Mohanty delivered a Guest Lecture on "Viral Hepatitis in Dentistry- Workshop on "Role of Oral Health in General Health" at Institute of Liver and Billiary Sciences, New Delhi in the month of 21st November 2019.
- Dr Aswini delivered a Guest Lecture on "Tobacco free School" at Workshop on School Oral Health- creating healthy smiles for future in the month of 11th October 2019.
- Dr Aswini delivered a Guest Lecture on "Research Methodology" at Dr. Z. A. Dental College & Hospital, Aligarh in the month of 16th September 2019.
- Dr Aswini delivered a Guest Lecture on IDA & Oral B "Modern Day approaches to Oral Hygiene" at MAIDS in the month of 3rd September 2019.
- Dr. Aadithya B. Urs delivered a Guest Lecture on "Salivary gland symposium" at CDE programme at ESIC Dental College, Rohini in the month of 15th March 2019.
- Dr. Aadithya B. Urs chaired scientific session at 17th IAFO national Conference in the month of 21st to 22nd September 2019.
- Dr. Aadithya B. Urs chaired scientific session on "Viral Hepatitis- A Dental Perspective" at Institute of Liver and Biliary Sciences in the month of 21st November 2019.
- Dr. Aadithya B. Urs & Dr J. Augustine delivered a scientific poster presentation on "Chorea acanthocytosis: case reports and review of literature" at PG-Convention, Bhubaneshwar, Orissa in the month of 12- 14th July 2019.
- Dr. Aadithya B. Urs & Dr J. Augustine delivered a scientific paper presentation on "Comparative evaluation of DNA isolation from extracted teeth under different environmental conditions by two methods for forensic analysis" at Conference, MAIDS, Delhi in the month of 21- 22nd September 2019.

- Dr. Aadithya B. Urs & Dr. Priya Kumar delivered a scientific poster presentation on "HIF -1α expression in malignant transformation of Oral Submucous Fibrosis " at conference, Amritsar in the month of 16- 18th November 2019.
- Dr. Aadithya B. Urs delivered a scientific poster presentation on "Glial Choristoma: Review of literature" at PG Convention,Bhubaneshwar, Orissa in the month of 12-14th July 2019.
- Dr. Aadithya B. Urs, Dr. Priya Kumar & Dr J. Augustine delivered a scientific poster presentation on "Schwannomas of the Oral Cavity: A Case Series" at Bhubaneshwar, Orissa in the month of 12-14th July 2019.
- Dr. Aadithya B. Urs delivered a scientific paper presentation on "Ghost Cell Characterization in Calcifying Odontogenic Cyst and Ghost Cell Odontogenic Tumor - An Immunohistochemical Study" at Trivandrum, Kerela in the month of 01- 03rd November,2019.
- Dr. Aadithya B. Urs Dr. Priya Kumar & Dr J. Augustine delivered a scientific poster presentation on "Plasma cell gingivitis- A case series" at PG Convention, Bhubaneshwar, Orissa in the month of 12- 14th July, 2019.
- Dr. Aadithya B. Urs delivered a scientific paper presentation on "Oral melanosis: A clinicopathological study" at Conference, Ahmedabad,Gujarat in the month of 15-17th November, 2019.
- Dr. Priya Kumar delivered a Guest Lecture on " Step by step approach in the diagnosis of salivary gland pathology' at ESIC Dental College & Hospital, New Delhi in the month of 15th March 2019.
- Dr J. Augustine delivered a scientific poster presentation on " Applications of Oral Pathology in Forensic Odontology", Conference, IAFO/ MAIDS, New Delhi in the month of 21st- 22nd September 2019.
- Dr J. Augustine delivered a scientific paper presentation on "Comparative evaluation of DNA isolation from extracted teeth under different environmental conditions by two methods for forensic analysis" at Conference, MAIDS, Delhi in the month of 21—22nd September 2019.
- Dr J. Augustine delivered a Guest Lecture on " Swelling in the maxilla- our perplexing experience" at ESIC Dental College & Hospital, New Delhi in the month of 15th March 2019.
- Dr J. Augustine delivered a Guest Lecture on World AIDS Day on "HIV in dental practice" at Faculty of Dental Sciences, SGT University, Gurugram in the month of 2nd December 2019.
- Dr J. Augustinechaired scientific session at XXXVIII IAOMP National Conference, Thiruvananthapuram in the month of 1st to 3rd November 2019.
- Dr. Rewa Malhotra delivered a scientific poster presentation on " Applications of Oral Pathology in Forensic Odontology" at Conference, IAFO/ MAIDS, New Delhi in the month of 21st- 22nd September 2019.

Fellowship:

- Infants Oral Health care Programme Fellowship was awarded by School of Dentistry, UCLA and availed by Dr. Gyanendra Kumar in the month of Aug,2019.
- Diplomate of World Congress of Oral Implantology (WCOI), Japan was awarded by 5th Global American Academy of Implant Dentistry Conference and availed by DrHarsimranKaur in the month of March 2019.
- Diplomate of World Congress of Oral Implantology (WCOI), Japan was awarded by 5th Global American Academy of Implant Dentistry Conference and availed by DrModhupa Ghosh in the month of March 2019.
- Diplomate of World Congress of Oral Implantology (WCOI), Japan was awarded by 5th Global American Academy of Implant Dentistry Conference and availed by Dr ,M Kumar Somanna in the month of March 2019.
- Diplomate of World Congress of Oral Implantology (WCOI), Japan was awarded by 5th Global American Academy of Implant Dentistry Conference and availed by Dr Madhuri Dua in the month of March 2019.
- Diplomate of World Congress of Oral Implantology (WCOI), Japan was awarded by 5th Global American Academy of Implant Dentistry Conference and availed by Dr Aditi Nanda in the month of March 2019.

Representation on expert Committee/Bodies: -

- Dr. Sunita Gupta was nominated as Thesis Examiner by Kashmir University in the month of March 2019.
- Dr. Sunita Gupta was nominated as Expert in Interview Panel for Appointment of Assistant Professor by PGIDS, Rohtak in the month of 5th September 2019
- Dr. Sunita Gupta was nominated as Moderator for question paper by National Board Examination in the month of December 2019.
- Dr. Sunita Gupta was nominated as Internal Examiner for MDS Examination by MAIDS, Delhi University in the month of May 2019.
- Dr. Sunita Gupta was nominated as Member of Postgraduate Board of studies for Oral Medicine & Radiology by PGIDS, Rohtak in the month of October 2019.
- Dr. Sunita Gupta was nominated as Question Paper setter for MDS by PGIDS, Rohtak in the month of September-October, 2019.

- Dr. Sujoy Ghosh was nominated as Question paper setter by National Board of Examination in the month of September 2019.
- Dr. Sujoy Ghosh was nominated as Internal Examiner for MDS Examination by MAIDS, Delhi University in the month of May 2019.
- Dr. Sujoy Ghosh was nominated as Internal Examiner for BDS Examination by MAIDS, Delhi University in the month of July and October 2019.
- Dr. Sujoy Ghosh was nominated as Internal Examiner for BDS Examination by BFUHS, Punjab in the month of July and December 2019
- Dr. Sujoy Ghosh was nominated as External Examiner for BDS Examination by PGIDS, Rohtak in the month of August 2019.
- Dr. Sujoy Ghosh was nominated as Internal Examiner for BDS Examination by Gujarat University, Ahmedabad in the month of September 2019.
- Dr. Sujoy Ghosh was nominated as Moderator for question paper by National Board Examination in the month of August 2019.
- Dr. Sujata Mohanty was nominated as Examiner of M.D.S Examination by AIIMS, New Delhi in the month of 20 -21 May,2019.
- Dr. Sujata Mohanty was nominated as Examiner for Ph.D. Candidates by K.G.M.C., Lucknow in the month of 6th July,2019.
- Dr. Sujata Mohanty was nominated as Examiner of M.D.S Examination by AIIMS, New Delhi in the month of 6-7th December,2019.
- Dr. Pankaj Sharma Examiner was nominated as Examiner of M.D.S Examination by ITS Dental College, Greater Noida in the month of 6-7th May,2019.
- Dr. Pankaj Sharma Examiner was nominated as Examiner of M.D.S Examination by IDST, Modinagar in the month of 17-18th May,2019.
- Dr. Pankaj Sharma Examiner was nominated as Examiner of M.D.S Examination by Shree Bankey Bihari Dental College and Research Centre in the month of 11-12th June,2019.
- Dr. Pankaj Sharma Examiner was nominated as Examiner of M.D.S Examination by Sharda University, Greater Noida in the month of 18-19th July,2019.
- Dr. Zainab Chaudhary was nominated as B.D.S. Examiner by I.T.S. Greater Noida, U.P in the month of 11th -12th December,2019.
- Dr Rekha Gupta was nominated as MDS examiner at AMCMET dental college, Ahmedabad by Gujarat University in the month of 2019.
- Dr Rekha Gupta was nominated as MDS examiner at Santosh dental college, Ghaziabad, by Santosh University in the month of 2019.
- Dr Rekha Gupta was nominated as MDS examiner at AIIMS (Delhi) by AIIMS in the month of 2019.
- Dr. Sangeeta Talwar was nominated as External Examiner of MDS Examination by GDC Rohtak in the month of May 2019.
- Dr. Sangeeta Talwar was nominated as External Examiner of MDS Examination at Manav Rachna Dental college, Faribabad by Pt BD Sharma University, Rohtak in the month of June 2019.
- Dr. Sangeeta Talwar was nominated as Internal Examiner of MDS Examination by University of Delhi in the month of June 2019.
- Dr. Sangeeta Talwar was nominated as panel member for National Board Of Examination for Foreign Dental Graduate Screening Test and Contribution To Question Bank in the month of 2019.
- Dr. Sangeeta Talwar was nominated as panel member for Food And Drug Administration for matters related to approval of New Drugs/Subsequent –New Drug/Clinical Trials in the month of 2019.
- Dr. Sangeeta Talwar was nominated as panel member for Bureau Of Indian Standard in the month of 2019.
- Dr. Sangeeta Talwar was nominated as Expert Panel For Training Manual On Phasing Down Amalgam, NOHP , Nirman Bhawan, by Ministry Of Health in the month of 2019.
- Dr. Ruchika Roongta Nawal was nominated as External examiner, final year BDS by GDC Rohtak in the month of August 23rd 2019.
- Dr. Ruchika Roongta Nawal was nominated as Internal examiner, final year BDS by University of Delhi in the month of 2019.
- Dr. Ruchika Roongta Nawal was nominated as External examiner, final year MDS mock examination at Manav Rachna dental college, Faridabad by Pt BD Sharma, Rohtak in the month of 2019.
- Dr. Ruchika Roongta Nawal was nominated as DCI Inspector by Institute of Dental Sciences and Technologies, Modinagar, Meerut road in the month of 2019.

- Dr. Ruchika Roongta Nawal was nominated in Hearing committee of BDS Schemes at Nirman Bhawan, New Delhi in the month of 2019.
- Dr. Ruchika Roongta Nawal was nominated as panel member for National Board Of Examination for Foreign Dental Graduate Screening Test and Contribution To Question Bank 2019.
- Dr. Seema Yadav was nominated as Subject Expert For MCQs Validation By National Board Of Examinations, Dwarka ,New Delhi in the month of 17th December 2019.
- Dr. Seema Yadav was nominated as Paper Setter For Undergraduate Examination by Gujarat University in the month of 6th June 2019.
- Dr. Seema Yadav was nominated as Examiner For Postgraduate Examination At Subharti Dental College by Swami Vivekanand Subharti University in the month of 4th June 2019.
- Dr. Seema Yadav was nominated as Paper Setter For Undergraduate Examination Delhi University in the month of 6th June 2019.
- Dr. Seema Yadav was nominated as Examiner For Undergraduate Examination, Delhi University in the month of 24th July 2019.
- Dr. Seema Yadav was nominated as Paper Setter For Postgraduate Examination, Gujarat University the month of 6th September 2019
- Dr. Ruchika Roongta Nawal was appointed as Elected Executive Council Member, Endodontic Society in the year 2019.
- Dr. Ruchika Roongta Nawal was appointed as Expert Committee Of Attended Regarding Recommendations For BDS Course regulations Curriculum Revision , By DCI at Nirman Bhawan, Dept Of Education in the month of September and October 2019.
- Dr. Ruchika Roongta Nawal was nominated as Expert panel of hearing committee for BDS and MDS Schemes at Nirman Bhawan, Dept Of Education in the month of 11th November 2019.
- Dr Tulika Tripathi was awarded the State Award for the year 2014-15 by Dept of Health & Family Welfare, Govt of NCT Delhi at MAMC Auditorium, New Delhi in the month of 18th February 2019.
- Dr Tulika Tripathi, Dr Priyank Rai, Dr Anup Kanase was nominated as Internal Examiner, Delhi University Exam 2019.
- Dr.Mridula Goswami was nominated as Expert member of Committee Drafting guidelines for use of nitrous oxide inhalation sedation in dental practice under Ministry Of Health And Family Welfare in the month of December 2019.
- Dr.Mridula Goswami was nominated as Examiner MDS Exam PGI, Chandigarh in the month of May,2019.
- Dr.Mridula Goswami was nominated as Examiner MDS Exam AIIMS, New Delhi in the month of December 2019.
- Dr. Vikrant Mohanty was nominated as Subject expert for Oral Pathology for validation of question bank of National Board of Examinations on by NBE, New Delhi in the month of August 2019.
- Dr. Vikrant Mohanty was nominated as Examiner MDS Exam by MAIDS, Delhi University in the month of May,2019.
- Dr. Vikrant Mohanty was nominated as external examiner MDS Exam by PGI Rothak in the month of May,2019.
- Dr. Vikrant Mohanty was nominated as external examiner MDS Exam by Maharishi Markandey University, Mullana, Ambala in the month of May,2019.
- Dr. Vikrant Mohanty was nominated as external examiner BDS Exam by KGMC, Lucknow in the month of June,2019.
- Dr. Aswini YB was nominated as Examiner For Undergraduate Examination, Delhi University in the month of 24th July 2019. .
- Dr. Aswini YB was nominated as Examiner MDS Exam by MAIDS, Delhi University in the month of May,2019.
- Dr Aadithya B. Urs was nominated as external examiner of Oral Pathology FOR 3rd year BDS exam by K D Dental College Mathura in the month of 25-26th June 2019.
- Dr Aadithya B. Urs was nominated as external examiner of Dental Anatomy and Oral Histology for 1st year BDS exam by Govt. Dental College Raipur in the month of 21st – 23rd August 2019.
- Dr Aadithya B. Urs was nominated as Internal examiner for MDS examination of Oral Pathology by MAIDS, New Delhi in the month of 16th - 17th May 2019.
- Dr Aadithya B. Urs was nominated as Subject expert for Oral Pathology for validation of question bank of National Board of Examinations on by NBE, New Delhi in the month of 13th August 2019.
- Dr Aadithya B. Urs was nominated as Dental Council of India Inspector for 1st year renewal inspection at Faculty of Dental Sciences KG Medical University, Lucknow by DCI in the month of 25th - 26th July 2019.
- Dr Aadithya B. Urs was nominated as Subject expert for interview panel for fellowship in Surgical Pathology by Dharamshila Narayana Cancer Hospital, New Delhi in the month of 28th August 209.

- Dr Aadithya B. Urs was nominated as Subject expert for Oral Pathology for validation of question bank of National Board of Examinationsby NBE New Delhi in the month of 26th - 27th November 2019.
- Dr. Priya Kumar was nominated as MDS examiner, GDC Ahemdabad by Gujarat University in the month of 15th - 16th April 2019.
- Dr J. Augustine was nominated as Supplementary practical external examiner, BDS 1st year in Dental Anatomy & Oral Histology by Post Graduate Institute of dental sciences, Rohtak, Haryana in the month of 26th March, 2019.
- Dr J. Augustine was nominated as external examiner for Annual practical examination, BDS 3rd year in Oral Pathology and Microbiology by GRD Instt. Of Dental Sci. & Res., Amritsar in the month of 17th June 2019.
- Dr J. Augustine was nominated as external examiner for Annual practical examination, BDS 3rd year in Oral Pathology and Microbiology by Government Dental College, Amritsar in the month of 18th June 2019.
- Dr J. Augustine was nominated as external examiner for Supplementary practical examination, BDS 3rd year in Oral Pathology and Microbiology as Genesis Institute of Dental Sciences & Research, Ferozepur in the month of 26th December, 2019.
- Dr J. Augustine was nominated as external examiner for Suuplementary practical examination, BDS 1st year in Dental Anatomy and Oral Histology by Genesis Institute of Dental Sciences & Research, Ferozepur in the month of 27th December, 2019.
- Dr J. Augustine was nominated as Subject expert for Oral Pathology for validation of question bank of National Board of Examinations by NBE, New Delhi in the month of 13th August 2019.

Health Services to the community: -

Health centre activities/camps/drives/national programme etc.

- No.of satellite centers and patients catered**: 3 centers and 1482 patients**
- No.of school centers and patients catered: **3 schools and 3120 children**
- No.of Dental camps: **39 camps, 4776 patients**
- No.of national programs: **5** (NHM-MDV, MDCP,NEEV,ASHA,NOHP = pit and fissure sealant project)
- Mobile Dental Clinic Project services: **8 DGD Dispensaries in 3 Districts of GNCT of Delhi, 25,414 patients have been catered. 1,345 ASHA & ANM workers have been trained in 46 trainings for oral health.**

Lab Data:-

Name of the Lab : Haemotology & Histopathology Lab

Name and no of the test perform: **9274**

- Histopathology with special stains and immunohistochemistry -1116+238+170 =1524
- Cytology – Aspiration, exfoliative and FNAC - 300
- Haematology & Biochemistry – CBC, ESR, BT, CT, - LFT, KFT, Lipid profile, Blood sugar - 7450
- Percentage of growth compared to last year: 10.06%

Addition of facilities:

- **Extension of old building** – Phase II is having 11 storeys with facilities of excellence in research, forensics, labs, special care dentistry, comprehensive care dentistry, public health dentistry etc.
- **SAKSHAM - Special Needs Dentistry** As a part of the workshop to the Charter of The Alliance for Oral Health Across Borders, under the Bridge to Peace, the working group compiled a formal "Guide for oral health promotion programs and minimally invasive dental care for children with special needs".There was a need to lead from the front and initiate a plan to identify strategies, next steps, and key partners for improving the oral health of people with disabilities as well as the oral health care delivery system for this population and integrate it with our existing infrastructure. Hence, MAIDS has been running the Clinics for the Disabled People on Tuesdays and Fridays ; 2-4 pm in the existing Department of Conservative Dentistry & Endodontics since November 2017. As a step further this year the Educational material has been developed for routine education of special needs patients and their caregivers hygiene measures into daily practice .
- **Tissue Bank**: The bone and amnion grafts are being harnessed, thus produced, are now being extensively used to replace, repair and improve the quality of diseased and damaged oral tissues thereby, greatly contributing in enhancing oral health. The bone and amnion grafts, thus produced, are now being extensively used to replace, repair and improve the quality of diseased and damaged oral tissues thereby, greatly contributing in enhancing oral health. Freeze drying machine has been procured this year which was previously been shared with G B

Panth Hospital. The tissue bank is in the process of shifting to Phase 2 Building which will have separate Dry and Wet areas for procuring of grafts. A separate clean room for packaging and storage has been planned in addition to a Record keeping and documentation area.

- **Obital implants**:Maxillofacial implant is the leading treatment modality in patients with maxillofacial defects such as loss of eye due to orbital exenteration or loss of ear due to the trauma. Placement of maxillofacial implants requires a multidisciplinary approach for the success of the prosthesis. For the first time in the history of MAIDS, orbital implants are being placed by the department of Prosthodontics in collaboration with the Guru Nank Eye Centre. (GNEC) .
- **Orbital Prosthesis**: Rehabilitation of orbital defects has been considered as one of the most challenging aspect of facial reconstruction. In cases where surgical restoration is not possible, fabrication of orbital prosthesis becomes a necessary alternative. However, in cases where maxillofacial implants are not possible, retention of the prosthesis can be done. The rehabilitation can be done with a bicomponent hybrid orbital prosthesis wherein the inner conformer is digitally fabricated.

Any other worth mentioning information:

- NABH Accreditation renewed till 2018.
- Biomedical waste management and infection control extensive workshop for faculty, students and non teaching faculty.
- Institute is contributing majorily towards *"**National Oral Health Policy**."*
- The Institute has been partaking to the drafting and development of National Oral Health Program in India. The institute is one of the partner in the National Pit and Fissure Sealant pilot project *under **National Oral Health Program***.

डा. पद्मावती छात्रावास
DR. PADMAVATI HOSTEL

CHARAKA HOSTEL

DR. B.C. ROY HOSTEL

SANJEEVANI HOSTEL

DHANWANTARI HOSTEL

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