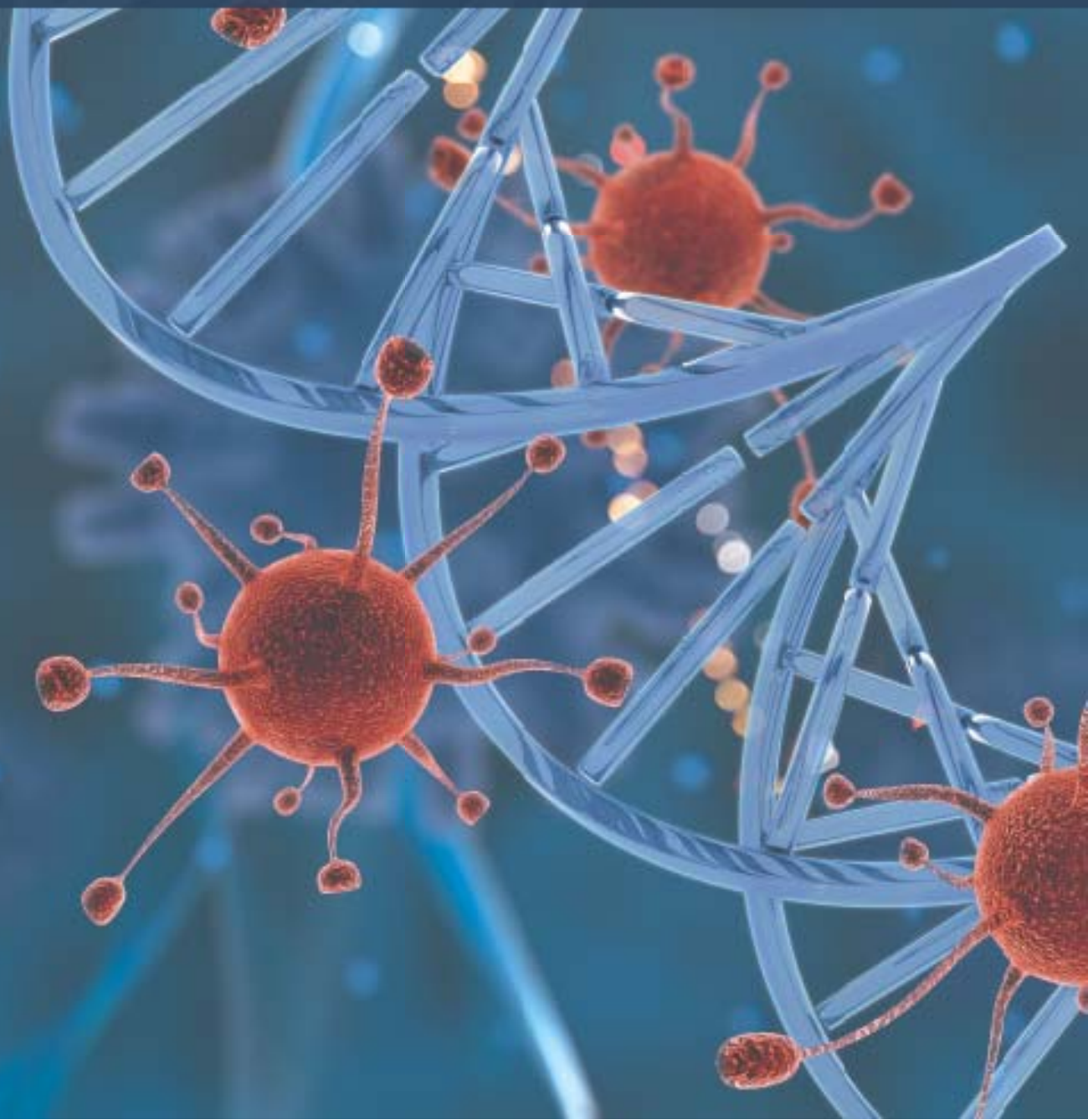




ANNUAL REPORT 2021

VARDHMAN MAHAVIR MEDICAL COLLEGE
& SAFDARJANG HOSPITAL





**VMMC and Safdarjung Hospital, Ministry of Health & Family Welfare,
Government of India Publication, 2022**

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डॉ. मनसुख मांडविया
DR. MANSUKH MANDAVIYA



स्वास्थ्य एवं परिवार कल्याण
व रसायन एवं उर्वरक मंत्री
भारत सरकार

Minister for Health & Family Welfare
and Chemicals & Fertilizers
Government of India



MESSAGE

It gives me immense pleasure to note that Vardhman Mahavir Medical College and Safdarjung Hospital is bringing out its Annual Report for the year 2021.

In recent years, Vardhman Mahavir Medical College has rapidly risen in the national rankings and is now one of the most preferred destinations for Undergraduate as well as Post graduate students. A combination of experienced faculty members, ample clinical resources and modern infrastructure has helped to provide quality medical education to budding Medicos and Parmedical students. A proposal to expand the infrastructural facilities like skill laboratories, is also under process which is likely to further strengthen the academic capabilities of the institution.

Safdarjung Hospital is one of the largest Government hospitals and provides accessible, affordable and equitable healthcare needs to all sections of society. The recent expansion of super specialty and emergency services has greatly enhanced the provision of state-of-the-art emergency facilities and specialized care in the super-specialty disciplines. Vardhman Mahavir Medical College and Safdarjung Hospital was designated as a dedicated COVID Hospital and this daunting task was managed successfully with the faculty, students and staff, rising fearlessly to the occasion.

I would like to place on record my appreciation and best wishes to the dedicated faculty members, young residents and the diligent staff who have performed well in the face of adversity. I wish this Institution all the very best and hope to see it emerge even more successful in the coming years

(Dr. Mansukh Mandaviya)



डॉ. भारती प्रविण पवार
Dr. Bharati Pravin Pawar



स्वास्थ्य एवं परिवार कल्याण राज्य मंत्री
भारत सरकार
**MINISTER OF STATE FOR
HEALTH & FAMILY WELFARE
GOVERNMENT OF INDIA**



MESSAGE

It gives me immense pleasure to know that Vardhman Mahavir Medical College and Safdarjung Hospital is publishing its Annual Report for the year 2021

Vardhman Mahavir Medical College has been playing a pivotal role towards the medical education for more than 20 years and is now one of the leading medical colleges and recognized as one of the top most institutions in the country, due to the excellent academic achievements, seasoned faculty members and a rich treasure of clinical material.

Safdarjung Hospital is one of the largest, tertiary-level, multidisciplinary healthcare institutions and has provided economical and quality healthcare needs to all sections of society, over the last 75 years. The addition of Super specialty and Emergency Blocks has significantly improved the quality and quantity of emergency facilities as well as helped to increase patient care in the super-specialty disciplines. The institution has been consistently recognized by the government as a Centre for Excellence in Healthcare.

I am also glad to know that during the COVID pandemic, Safdarjung Hospital has successfully and comprehensively worked in joint collaboration with the brave teachers, residents and staff to serve the country.

The Government of India, under the visionary leadership of Hon'ble Prime Minister Shri Narendra Modi ji, is committed to meet the health needs of the people of India. I extend my congratulations to the passionate faculty members, enthusiastic residents and the hardworking staff who continue to perform to their best capabilities. May this glorious institution attain greater heights in the coming years.

“आरोग्य परमं भग्य स्वास्थ्य सर्वार्थसाधनम्”


(Dr. Bharati Pravin Pawar)

“दो गज की दूरी, मास्क है जरूरी”



राजेश भूषण, आईएएस
सचिव

**RAJESH BHUSHAN, IAS
SECRETARY**



भारत सरकार
स्वास्थ्य एवं परिवार कल्याण विभाग
स्वास्थ्य एवं परिवार कल्याण मंत्रालय
Government of India
Department of Health and Family Welfare
Ministry of Health and Family Welfare



Message

I am immensely pleased to note that Vardhman Mahavir Medical College (VMMC) & Safdarjung Hospital is bringing out its Annual Report 2021-2022.

As one of the largest and busiest hospitals in the country, catering to the healthcare needs of a significant number of deprived and marginalized people, poorest of the poor, VMMC & Safdarjung Hospital is known for its exemplary services. Be it the management of high patient load, provision of state-of-art healthcare facilities, specialized care in the super-specialty disciplines or provision of excellent medical education to budding medical professionals, the institution has always distinguished itself whenever called upon.

During the Covid-19 pandemic, the institution rose to the fore in taking tangible initiatives in handling the crisis situations of the pandemic, by providing treatment and care to those affected. The testing facilities were also stepped up and every department geared itself to handle the load and influx of patients of Covid-19. The VMMC students played a proactive role in pandemic management.

I wish this instituion of critical important all the very best and hope to see it emerge even more sucessful in its quest for serving the managinalized population and training medical professionals across every speciality and stage in their career path.

Jai Hind!

Date : 18.11.22

Place : New Delhi

(RAJESH BHUSHAN)



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Prof. (Dr.) Mahesh Verma

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MDS, MBA, PhD, FDSRCS (Eng),
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Padma Shri Awardee

Dr. B.C. Roy Awardee

National Science & Technology Awardee

Vice Chancellor



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Message

GGSIU/VCO / 2022 /

22nd November, 2022

I am delighted that Vardhman Mahavir Medical College and Safdarjung Hospital is bringing out its Annual Report for the year 2021 highlighting all significant achievements in the last academic year.

The occasion is a proud one. A memorable moment of celebration.
My best wishes on the release of the Annual Report.

Vardhman Mahavir Medical College has continued to set high standards in medical education and is one of the top-ranking college, affiliated to GGSIP University. Safdarjung Hospital is the largest hospital under the Ministry of Health and Family Welfare, The hospital provides medical care to millions of citizens not only of Delhi and the neighbouring states but also to people of neighbouring countries.

With quality teaching and training, the college. has always ensured that the medical professionals passing out from here are committed to exemplary patient care, without any discrimination.

It is heartening to know that the faculty at the institute is one amongst the best, dedicated to the cause of building world class medical professionals.

The college graduates continue to bring laurels in their respective fields, nationally and internationally, further cementing the enviable reputation of the institution.

It is important that thought is given not only to making available world class infrastructure, keeping abreast with technological innovations and techniques in medicine, but continuing to instill the spirit of service before self in the students., I do hope the institute will continue to set high standards in medical education that it is known for.

Congratulations yet again on the release of the Annual Report.

My best wishes for a bright and successful future for Vardhman Mahavir Medical College and Safdarjung Hospital.

Prof. (Dr.) Mahesh Verma



प्रो. (डॉ.) अतुल गोयल

Prof. (Dr.) ATUL GOEL
MD (Med.)

स्वास्थ्य सेवा महानिदेशक

DIRECTOR GENERAL OF HEALTH SERVICES



भारत सरकार
स्वास्थ्य एवं परिवार कल्याण मंत्रालय
स्वास्थ्य सेवा महानिदेशालय
Government of India
Ministry of Health and Family Welfare
Directorate General of Health Services



Message

I am happy to note that Vardhman Mahavir Medical College and Safdarjung Hospital is bringing out its Annual Report for the year 2021. This is certainly a moment of great pride for all faculty members, students and staff. Often annual reports talk of everything as an upward graph leaving out deficiencies and future possibilities with timelines.

Vardhman Mahavir Medical College has steadily evolved into one of the most sought after medical college due to the varied and rich clinical experience it offers. The college alumni have consistently performed well across all disciplines and continue to set new benchmarks of excellence.

The associated Safdarjung Hospital is one of the largest, multidisciplinary healthcare centre and provides state of the art facilities in all specialties including super-specialty departments. However, the basic pillars of a medical institution are the basic Department of Medicine and Surgery that have been laggards. The pivotal role of the institution during the COVID pandemic was greatly appreciated by the Government and public alike.

It is my immense pleasure to convey my best wishes to the dedicated faculty members, residents and students who continue to bring laurels to the institution. I am confident that this remarkable institution will witness more success and milestones, in the coming years.

My attachment to the institution stems from the fact that Safdarjung Hospital was cradle for my basic learning from 1980 to 1986. That strong base has sustained me through my journey right up to this day.


(Atul Goel)



एस. गोपालकृष्णन
विशेष सचिव
S. Gopalakrishnan
Special Secretary



भारत सरकार
स्वास्थ्य एवं परिवार कल्याण विभाग
स्वास्थ्य एवं परिवार कल्याण मंत्रालय

Government of India
Department of Health and Family Welfare
Ministry of Health and Family Welfare



Message

It gives me immense pleasure to pen this message for the Annual Report 2021 of Vardhman Mahavir Medical College and Safdarjung Hospital.

I am happy to note that Vardhman Mahavir College is amongst the emerging medical college in the country that in a short span of time has firmly established itself.

Safdarjung Hospital is one of the largest hospitals under the Ministry of Health and Family Welfare and is well known for the quality health care it provides to all strata of society since pre-independence days.

This glorious institution has speciality and super speciality departments like Dept. of Cardiac Surgery, Neurology, Urology, Pulmonary Medicine, Burn & Plastics etc. which provided modern facilities like robotic surgeries, lithotripsy, sleep laboratory, renal transplant etc at a very nominal cost. The New Emergency Building provides specialised triage and ICU facilities whereas the Sports Injury Centre, provides state of the art orthopaedic care, to patients referred from all over the country. NOTTO, the apex centre of coordination & networking for procurement, distribution & registry of organs & tissues donation & transplantation in the country is also based in its premises.

I am pleased to learn that the institution plans to create new, contemporary departments and enhance its infrastructural facilities, with the current rate of progress. I am confident that Vardhman Mahavir Medical College and Safdarjung Hospital will emerge as one of the top-ranking medical centres in the country.

I wish to compliment all the members of the faculty, residents, students and officials on this occasion.

(S. Gopalakrishnan)

The Year In Reminiscence : 2021

डॉ. एस. वी. आर्य, एम. एस. (सर्जरी)

DR. S.V. ARYA, M.S. (Surg.)

परामर्शदाता एवं आचार्य

Consultant & Professor

चिकित्सा अधीक्षक

Medical superintendent

वर्धमान महावीर मेडिकल कॉलेज एवं सफदरजुंग अस्पताल

VMMC & SAFDARJUNG HOSPITAL

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Message

Wherever the art of Medicine is loved, there is also a love of Humanity

Hippocrates

It gives me great pleasure and honour to extend my best wishes to all the members of Vardhman Mahavir Medical College and Safdarjung Hospital, extending its services with the motto "**In the service of Humanity**".

The zeal with which the immensely dedicated faculty of this institute has been continuously working has brought laurels both in the areas of quality patient care, teaching and research. Today our college is one of the most preferred destination for both MBBS as well as MD/MS and DM/MCh courses.

Vardhman Mahavir Medical College and Safdarjung Hospital was ranked at 1st position in Kayakalp Scheme (A Government of India initiative) for the year 2020-21 in group-A Hospitals and has also been accorded the prestigious NABH (Entry level) certification.

I congratulate all the faculty members and staff of this great institution and extend my good wishes for more accolades and laurels for glorious years ahead.

DR. (PROF.) S.V. ARYA

MEDICAL SUPERINTENDENT

VMMC & SAFDARJUNG HOSPITAL

NEW DELHI.

Medical Superintendent's Message

Dr. B. L. Sherwal, Medical Superintendent, VMMC & Safdarjung Hospital



It gives me immense pleasure to share my thoughts for the annual report. From the inception of VMMC & Safdarjung Hospital, both have come a long way in the field of patient care education. The institute has almost all the specialties and super specialties and is able to provide quality care to patients from all over India.

With the pious aim of providing every possible care to the needful, the faculty and staff of Safdarjung Hospital are working day

and night relentlessly. Similarly, teaching faculty members are working day and night to make this college amongst the top 10 colleges in the country.

I would like to congratulate all the medical fraternity, other staff members and students for their achievement in various fields and wish them the best of everything to pursue their dreams. Let us keep this institute shining forever!

Principal's Overview

Dr. Geetika Khanna, Principal, VMMC & Safdarjung Hospital



The pandemic hit us in more ways than one, and we missed out on our milestones and celebrations for almost three years. It gives me great pleasure to finally extend a warm welcome to this august gathering, on the Annual Day of VMMC & Safdarjung Hospital.

In 2021, Vardhman Mahavir Medical College, firmly established itself as an Institution of Excellence in the field of Medicine. VMMC showed remarkable progress in the key areas of providing quality education, overcoming the challenges of online teaching; opening prestigious opportunities for

impactful research; and enhancing the standards of patient care. These landmark milestones were made possible by the persistent efforts of the inspired students, extremely motivated faculty as well as building up of critical support infrastructure and facilities, which would not have been possible without the support of the Ministry of Health.

VMMC continued to do well in the National Institutional Ranking Framework Survey 2021 which is an objective framework devised by the MHRD using the broad parameters of 'Teaching, Learning, Resources, Research, Professional Practices and

Outcomes". VMMC continued to be in the top twenty colleges, being ranked 18th overall in the national rankings and was ranked 8th in the India Today Survey, which also mandated the Institute as "The Best Emerging Medical College" in India.

VMMC & Safdarjung Hospital was one of the most preferred destinations in the country for admission through NEET examination into MBBS and a very popular choice for most of the postgraduate courses. This year saw the successful increase in postgraduate seats in Pediatrics, Urology, Cardiology and Neurosurgery. As a result, VMMC & Safdarjung Hospital can now boast of having one of the largest shares of affiliated seats in postgraduate courses with a total of 325 MD/MS seats; 43 seats in superspecialty fields, 7 seats of Diplomate of National Board of Examinations along with 170 MBBS, and 16 seats of Bachelor of Prosthetics and Orthotics. In addition, the faculty contributed to teaching programmes of BSc Nursing (50 seats), BSc Medical Laboratory Technology (25 Seats), BSc Medical Imaging Technology (12 Seats), and Pre-Trauma Technician course.

One of the key contributors in the success of Vardhman Mahavir Medical College and Safdarjung Hospital are the faculty members whose consistent hard work and forbearance have improved patient care, and enhanced the quality output in teaching and research. Apart from the contribution to teaching and research, academic events of international, national, and state levels were also organized by the institution including 60 workshops, seminars, and conferences. Other key events held in the year in review include "Induction Programmes for Undergraduates", "Postgraduates" and "Interns" which included workshops on communication skills, basic life support and BMW management. Besides these the Institutional Medical Education Unit conducted three Revised Basic Workshops, Curriculum Implementation and Support Programme II, Protocol Writing Workshops, Basic Research Workshop for Post Graduates, and a Question Paper Making Workshops (based on CBME).

Our faculty members were appointed as examiners for Fellowships, DNB, PhD, MD/MS and MBBS

examinations of various prestigious universities and were invited as experts in UPSC, MOHFW, and AIIMS for faculty interviews as well as Project Reviewers and Assessment Board Members for ICMR. They also served as content reviewers for several prestigious publications.

The long pending additional infrastructure project (Lecture theatres, Auditorium & Hostel complex) was kindly approved and sanctioned by the MOHFW.

The last year has witnessed accreditation of all institutional laboratories for all major investigations by NABL.

VMMC & Safdarjung Hospital became a member of the National Cancer Grid.

Monthly Multidisciplinary Case Discussions and Invited Guest Lectures were initiated. Clinical Observership was started for final and pre final year undergraduate students to orient them to the emergency clinical practices and procedures, as well as develop soft skills for effective patient care.

Mentorship programme for all new MBBS admissions is running successfully and was very helpful in identifying students with mental health issues and providing them timely help. The Counselling & Wellness Centre is now being manned 24x7 by the Psychiatry Faculty and the department of Psychiatry has initiated a monthly public lecture series and workshops on topics related to mental wellbeing and suicide prevention.

A total of 50 students availed of various scholarship schemes including the Top-Class Fellowship for Higher Education of ST Students, National Scholarship for Higher Education of ST Students, Post Matriculation Scheme for Minorities, National Talent Search Examination, various other departmental scholarships, EWS scholarship offered by Govt of NCR through GGSIP University.

The MBBS students performed well in the university examinations with a pass percentage of 92% in 1st Professional, 92.2% in 2nd Professional, 84.4% in 3rd Professional Part I and 88% in the 3rd Professional Part II Examination.

The performance of the postgraduate students was also good with a pass percentage of 97.3 in the annual university examination. Students of super specialty courses excelled with a pass percentage of 100%.

VMMC Students did well in the various postgraduate entrance examinations leading to admission into institutes of repute like AIIMS Delhi, PGI Chandigarh, RML and ESI hospitals, besides VMMC.

VMMC alumni also made their presence felt in international training programs. Several students were selected for prestigious fellowships and faculty positions in premier medical universities.

MEDSICON, a students' led conference with guest lectures, skill development workshops and practical demonstrations was successfully organized and saw enthusiastic participation by students from across the country.

VMMC submitted draft proposals for establishment of Skills Laboratory, Departments of Emergency Medicine and Hospital Administration, MD Hospital Administration, and DM Neonatology.

A proposal was also submitted to ICMR for establishment of a Multidisciplinary Research Unit and is under process.

Permission was obtained from MOHFW and interviews

held for 208 contractual posts of Assistant Professors in different departments to augment manpower.

VISION 2022

This year the main effort will be on the new competency based MBBS & Postgraduate Curriculum Planning and its implementation. The entire faculty will be trained in a phased manner in the New Curriculum development and implementation.

Efforts are on to have in place a 24 hours cafeteria for resident doctors and students in the campus along with a WIFI facility for all students and faculty. While a gym facility has started for Resident doctors, the same is being planned for undergraduate students as well.

We will also focus this year to enhance the quality of education in all the other courses that we are running and improve their standards. Also, effort will be made to have an environment which is more research oriented.

“Those who suffer need you to be something more than a doctor; they need you to be a healer. And, to become a healer, you must do something even more difficult than putting your white coat on. You must take your white coat off. You must recover, embrace, and treasure the memory of your shared, frail humanity— of the dignity in each and every soul.”

***Donald M. Berwick, MD, MPP
Yale University, 2010***

EDITOR'S MUSINGS



The year 2021 will not be forgotten in a hurry. It began on an optimistic note, after a disastrous 2020, when Covid-19 pandemic wreaked havoc in every country across the globe. But the optimism of a new year was short lived. All too soon our country was in the grip of a second wave that will be remembered as one of the deadliest periods in history. Lives were lost in plenty, the medical fraternity grappled with crisis such as acute shortage of beds and even the elixir of life-oxygen! Hopes ran dry, and everybody knew somebody who had succumbed to the deadly pandemic.

Yet, in the midst of all this chaos and hopelessness, there was a silver lining. And that was the healthcare worker community-The Corona Warriors, who shone through, like the sun emerging from behind dark clouds. Our own institutional healthcare fraternity was no different. It made its own noteworthy contributions in saving lives and battling the pandemic in many ways. Also, new infrastructure and facilities were established, and offered for patient care even at a time like this. Every

department chalked out its own plans to tackle the pandemic and dived into the fray. Looking back on the year that was, we can only pat our backs and revel in the joy of a humongous task well accomplished.

What one will see in the pages that follow, is a description of the contributions of each and every department of VMMC & Safdarjung Hospital, in 2021, the pandemic notwithstanding, as they converted their tribulations into triumphs, their hopelessness to hope and their despair into dreams for the future!

In all of this, a special salute to the heads of the inseparable twin institutions- the Principal of VMMC and the Medical Superintendent of Safdarjung Hospital, who shouldered the calamities with elan and grace. A personal note of gratitude to the Principal, for placing the faith in me to deliver this onerous task of compiling the Annual Report of an institution of such mammoth proportions. A thankful shoutout to my illustrious team members, who worked tirelessly behind the scenes, and gave this report its shape, size, colour and content!

Ārogyaṁ Paramaṁ Bhāgyaṁ Svāsthyaṁ Sarvārthasādhanaṁ.

(Being healthy is the ultimate destiny and with health all other works are accomplished)

Congratulations and Welcome to VMHC & Safdarjung Hospital Family!

Dr. Abhidha, Assistant Professor,
Dept. of Radiation Oncology
Dr Ankita Aggarwal, Assistant Professor,
Dept. of Radiodiagnosis
Dr. Niharika, Assistant Professor,
Dept. of Ophthalmology
Mrs. Urmila, PHN, College of Nursing
Dr. Sana Ahuja, Assistant Professor (On Contract),
Dept. of Pathology
Dr. Pooja Anand, Assistant Professor (On Contract),
Dept. of Pharmacology
Dr. Sahil Arora, Assistant Professor(On Contract),
Dept. of Nephrology and Renal Transplant
Dr. Abhishek Bhadani, Assistant Professor,
Dept. of Medicine
Dr. Sushma Bharti, Assistant Professor (On
Contract), Dept. of Pathology
Dr Renju Binoy, Assistant Professor (On Contract),
Dept. of Nephrology and Renal Transplant
Dr. Renu Chauhan, Assistant Professor (On
Contract), Dept. of Anesthesiology
Dr. Ankur Chikara, Assistant Professor (On
Contract), Dept. of Medicine
Dr. Anju GS, Assistant Professor (On Contract),
Dept. of Pathology
Dr. Divyani Garg, Assistant Professor,
Dept. of Neurology
Dr Kirti Gehlot, Assistant Professor, Dept. of
Radiodiagnosis
Dr. Anuja Gupta, Assistant Professor (On Contract),
Dept. of Microbiology
Dr Puneet Gupta, Assistant Professor,
Dept. of Cardiology
Dr.Ratika Gupta, Assistant professor, Dept. of
Radiation Oncology
Dr. Sumedha Gupta, Asst. Prof. (On Contract),
Dept. of Obst & Gynae
Dr Chirag Jain, Assistant Professor,
Dept. of Radiology
Dr Megha Jain, Assistant Professor,
Dept. of Radiology

Dr K Kotti, Assistant Professor, Dept. of Cardiology
Dr. Ashwani Kumar, C.M.O, Dept. of Medicine
Dr Deepa Kumar, Assistant Professor,
Dept. of Nuclear Medicine
Dr. Madhur Kumar, Assistant Professor,
Dept. of CTVS
Dr. Jhanvie Manhas, Assistant Professor,
Dept. of Biochemistry
Dr Nishtha Passey, Assistant Professor,
Dept. of Physiology
Dr. Pallavi Prasad, Assistant Professor,
Dept. of Nephrology and Renal Transplant
Dr. Monisha Pradhan Prashanth, Professor,
Dept. of Forensic Medicine & Toxicology
Dr. Y M Prashanth, Assistant Professor,
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Dept. of Anesthesiology
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(On Contract), Dept. of Pathology
Dr. Shivani Sharma, Assistant Professor,
Dept. of Medicine
Dr. Sourabh Sharma, Assistant Professor,
Dept. of Nephrology and Renal Transplant
Dr. Mayank Yadav, Assistant Professor,
Dept. of CTVS
Dr. B L Sherwal, Director Professor,
Dept. of Microbiology
Dr. Amit Kumar Singh, Assistant Professor,
Dept. of Nuclear Medicine
Dr. Priyanka Singh, Assistant Professor (On
Contract), Dept. of Pathology
Dr.Vijay Singh, Assistant Professor,
Dept. of Urology & Renal Transplant
Dr. Harlin Uppal, Assistant Professor,
Sports Injury Centre

AU REVOIR! WE WISH THEM WELL!

Dr. Arun Anand, Assistant Professor, Dept. of General Surgery
Dr. Biju M Azariah, Assistant Professor, Dept. of Radiation Oncology
Dr. Deepak Bagga, Consultant, Dept. of Pediatric Surgery
Dr. Jaspreet Singh Bajwa, Assistant Professor, Dept. of General Surgery
Dr. Sanjeev Bhalla, HAG Officer, Dept. of Medicine
Dr. Meenakshi Bhatt, Associate Professor, Dept. of Pediatrics
Dr. Manasi Bhattacharjee, Professor, Dept. of Physiology
Dr. K T Bhowmik, Principal Consultant, Dept. of Radiation Oncology (Radiotherapy)
Dr. Nikhilesh Chandra, CMO (SAG), Dept. of Anesthesiology
Dr. Ranjan Chandra, Professor, Dept. of Radiology
Dr. Leelavathi Dawson, Associate Professor & Consultant, Dept. of Pathology
Dr. Indrani Dhawan, Professor, Dept. of Pathology
Dr. Nikhil Era, Assistant Professor, Dept. of Pharmacology
Dr. Anoop Raj Gogia, Consultant & Professor, Dept of Anesthesiology
Dr. Arun Gogna, Consultant, Dept. of Medicine
Dr. Sameer Gulati, Professor, Dept. of Medicine
Dr. Sumedha Gupta, Asst. Prof. (Contractual), Dept. of Obst& Gynae
Dr. Neelima Jain, Consultant Superannuated, Dept. of Medicine
Dr. Dimple Kasana, Consultant, Dept. of Microbiology
Dr. Navnita Kisku, Assistant Professor, Dept. of CTVS
Dr. Rishikesh Kumar, Assistant Professor, Dept. of General Surgery
Dr. Sudesh Kumar, Assistant Professor, Dept. of CTVS
Dr. Arun Makkar, Assistant Professor, Dept. of Urology & Renal Transplant
Dr. Shantanu Mandal, Professor, Dept. of Otorhinolaryngology
Dr. Col. B K Nayak, Specialist, Sports Injury Centre
Dr. N. S. Negi, Consultant, Superannuated, Dept. of Medicine
Dr. Geeta Pardeshi, Professor, Dept. of Community Medicine
Dr. Pooja Prasad, Assistant Professor, Dept. of Haematology
Dr. Saumya Prasad, Assistant Professor, Dept. of Obst & Gynae
Dr. Wajid Ali Shah, Assistant Professor & Consultant, Dept. of Pathology
Dr. Charanjit Singh, Consultant, Dept. of Medicine
Dr. Sitalaksmi, CMO (SAG), Dept of Anesthesiology
Dr. B Srinivas, Professor, Dept. of Physiology
Dr. B K Tripathi, Consultant, Dept. of Medicine
Dr. Rakesh Verma, Professor and Consultant, Dept. of Cardiology

GENERAL ADMINISTRATION

The Administration of an institution of such a large stature, such as VMMC & Safdarjung Hospital, is no easy task. It is managed by highly efficient, skilled, and experienced senior medical professionals, who carry out these responsible duties, in addition to performing their routine work in their specialised spheres of medical expertise. The meticulous processes of

administration are diverse and pertain to wide ranging activities such as patient care activities, purchase/ procurement of equipment, kits, items of stationery and furniture, permissions for various departmental activities and academic and non-academic welfare activities. The following are the faculty members with administrative responsibilities (2021).



Year 2021

Sitting (Left to Right):

Dr. Prem Kumar
Dr. R K Srivastava
Dr. S V Arya
Dr. Geetika Khanna
Dr. Rajneesh Sahai
Dr. R K Wadhwa

Standing (Left to Right):

Dr R Sharma
Dr Shardendu Sharma
Dr Neeraj Gupta



Current Year

Sitting (Left to Right):

Dr. Neeraj Gupta
Dr. Jayanthi Mani
Dr. P S Bhatia
Dr. Geetika Khanna
Dr. B L Sherwal
Dr. R K Wadhwa
Dr. Vandana Chakravarty

Standing (Left to Right):

Mr Abhey Singh
Mr Atul Singh
Mr Gyan Singh Thakran
Mr Vijay Pal
Mr Sanjay Kathuria



Sitting (L to R): Dr. Mukesh Nagar, Dr. Vinod Gupta, Dr. Ranjan Wadhwa, Dr. Geetika Khanna, Dr. Dharam Singh Meena, Dr. Sachin Kolte, Dr. Renuka Sharma, Dr. Sheetal Arora

Standing 1st Row (L to R): Mrs. Geeta, Mr. Sachin, Mr. Satish, Dr. Mahendra Kathole, Dr. Amit Yadav, Dr. Diganta Borah, Dr. Vikramjeet Dutta, Mrs. Neha Kumari, Mrs. Mamta, Mr. Gopal Dutt, Mr. Navrattan Maurya, Mrs. Chandra Jayprakash.

Standing 2nd Row (L to R): Mr. Mandeep, Mr. Chandan, Mr. Kapil Kumar, Mr. Jatin, Mr. Aarif, Mr.T. Minj, Mr. Rohit, Mr. Vinod Kumar

Standing 3rd Row (L to R) : Mr. Ashish Hooda, Mr. Ankit, Mr. Jitendra, Mr. Pradeep Suri, Mr. Milan Rawat, Mr. Deepak Khatri, Mr. Gnan Singh Thakran, Mr. Rattan, Mr. Rohtashs

INSTITUTIONAL COMMITTEES

Academic Oversight Committee

Convenor: Dr. L.G. Krishna, Director Professor & HOD, Orthopaedics

Co-Convenor: Dr. Richa Kapoor, Director Professor, Community Medicine

Members:

- Dr. Ashish Jaiman, Professor, Orthopaedics
- Dr. Jugal Kishore, Director Professor & HOD, Community Medicine
- Dr. Jvotsna Suri, Consultant & Professor, Obstetrics & Gynaecology
- Dr. Renuka Sharma, Director Professor, Physiology
- Dr. Sameer Gulati, Professor, Medicine
- Dr. Shilpee Kumar, Professor, Microbiology
- Dr. Supriya Gupta, Director Professor, Physiology
- Dr. Sparsh Gupta, Professor, Pharmacology

Annual Report Committee

Convenor: Dr. Sumathi Muralidhar, Consultant & Professor, Dermatology

Co-Convenor: Dr. Vandana Mehta, Director Professor & HOD, Anatomy

Dr. Bindusar Kalita, Professor, Anatomy

Members:

- Dr. Anjali Sharma, Specialist Grade II & Assistant Professor, Pathology
- Dr. Dabet Rynga, Associate Professor, Microbiology
- Dr. Isha Preet Tuli, Professor, ENT
- Dr. Radhika Jindal, Assistant Professor, Endocrinology
- Dr. Shalini Smanla, Associate Professor, Community Medicine

- Dr. Shikha Bansal, Professor, Dermatology
- Dr. Shweta Jain, Associate Professor, PMR
- Dr. Soumen Manna, Associate Professor, Physiology
- Dr. Sparsh Gupta, Professor, Pharmacology
- Dr. Sukanya Gangopadhyay, Associate Professor, Biochemistry
- Dr. Swarna, Associate Professor, Radiology
- Dr. Vipin Gupta, Assistant Professor, Orthopaedics

Anti-Ragging Committee

Convenor: Dr. Jugal Kishore, Director Professor & HOD, Community Medicine

Co-Convenor: Dr. Dharam Singh Meena, Director Professor & Registrar, Anaesthesia

Members:

- Dr. Ashish Jaiman, Professor, Orthopaedics & Warden, Boys' Hostel
- Dr. Charanjeet Kaur, Director Professor & HOD, Biochemistry
- Dr. Diganta Borah, Professor, PMR
- Dr. Himani Ahluwalia, Director Professor & HOD, Physiology
- Dr. Mamta Panwar, Associate Professor & Assistant Warden Girls' Hostel, Anaesthesia
- Dr. Manish Kumath, Professor & Security In Charge, Forensic Medicine
- Dr. Megha Tandon, Associate Professor, Surgery
- Dr. Mohit Gupta, Professor & Assistant Warden Boys' Hostel, Forensic Medicine
- Dr. Rekha Bharti, Professor & Warden Girls'



Academic Oversight Committee

Standing 1st Row (L to R):

Dr Renuka Sharma, Dr Supriya Gupta, Dr L G Krishna, Dr Jugal Kishore, Dr Jyotsna Suri

Standing 2nd Row (L to R):

Dr Richa Kapoor, Dr Shilpee Kumar, Dr Sparsh Gupta, Dr D S Meena



Annual Report Committee

Standing 1st Row (L to R): Dr. Bindusar Kalita, Dr. Radhika Jindal, Dr. Geetika Khanna,
Dr. Sumathi Muralidhar, Dr. Vandana Mehta, Dr. Sparsh Gupta.

Standing 2nd Row (L to R): Dr. Shalini Smania, Dr. Shweta Jain, Dr. Dabet Rynga,
Dr. Sukanya Gangopadhyay, Dr. Anjali Sharma.

Standing 3rd Row (L to R): Dr. Shikha Bansal, Dr. Ishapreet Tuli, Dr. Swarna, Dr. Soumen Manna.

Hostel, Obstetrics & Gynaecology

- Dr. Renuka Sharma, Director Professor, Physiology & UG Committee Convenor,
- Dr. Sachin Kolte, Professor, Pathology & Deputy Registrar,
- Dr. Sandeep Shaina Associate Professor, Orthopaedics & Assistant Warden Boys' Hostel,
- Dr. SarveshTandon Consultant & Professor, Forensic Medicine
- Dr. Surabhi Yadav, Professor, Biochemistry & Assistant Warden, Girls' Hostel,
- Dr. Vandana Mehta Director Professor & HOD, Anatomy
- Representative Member of Civil Administration
- Sr. AO/AO, Administration
- SHO, Safdarjung Enclave, N.D.
- Representative from Local Media
- NGO Representative
- Parent Representative
- Parent Representative
- TRIG Supervisor
- MCS Supervisor
- SWA and Class Representative

Biomedical waste management committee

Chairperson: Dr. B.L. Sherwal, Medical Superintendent

Addnl MS: Dr. Vandana Chakravarti

Member Secretary: Dr. Malini R Capoor, Incharge BMW

Members:

- Dr. Neeraj Gupta, Sr. CMO
- Dr. R. P. Arora, OIC Sanitation & Estate
- Dr. Vinod Chaitanya, OIC Medical Store
- Dr. Sanjay Sood, OIC SSB
- Dr. Geeta Yadav, Nodal Office BMW
- Dr. Upendra Sharma, OIC M & E
- Dr. A. K. Sharma, OIC Gen. Store
- Dr. Pankaj Ranjan, OIC OPD
- Dr. Bhoomika Gupta, Nodal Officer BMW
- Dr. Anjali Sharma, Nodal Officer BMW
- Dr. Shamshuddin Hassan, Nodal Officer BMW
- Dr. Varun Aggarwal, Nodal Officer, BMW
- Mrs Rekha Rani, ONS

- Sh.Rajeshwar Prasad, Exe. Er. CPWD (Civil)
- Sh. R. N. Singh, Exe. Er. CPWD (Elect.)
- Sh. Sachin Bhargav, HSCC

College Infrastructure Development Committee

Convenor: Dr. N. K. Gupta, Sr. CMO (HAG), Professor & HOD, PCCM

Co-Convenor: Dr. Manushree Gupta, Associate Professor, Psychiatry

Members:

- Dr. Amitabh, Associate Professor, Paediatrics
- Dr. Dharmendra Kumar Singh, Associate Professor, Radiology
- Dr. MeghrajKundan, Associate Professor, Surgery
- Dr. ReetaKanoujia, Associate Professor, Radiology
- Dr. Sandeep Shaina, Associate Professor, Orthopaedics
- Dr. Vivek Yadav, Associate Professor, Neurosurgery

Curriculum Committee

Member from Para-clinical Specialties:

Dr. Deepthi Nair, Consultant & Professor, Microbiology

Member from Pre-clinical Specialties:

Dr. Himani Ahluwalia, Director Professor & HOD, Physiology

MEU Coordinator: Dr. Jugal Kishore, Director Professor & HOD, Community Medicine

Member from Clinical Surgical Specialties:

Dr. Monika Gupta, Professor, Obstetrics & Gynaecology

Member from Clinical Medical Specialties:

Dr. Rachna Sehgal, Professor, Paediatrics

Hostel Committee

Convenor: Dr. Ashish Jaiman, Professor, Orthopaedics & Warden Boys' Hostel

Co-Convenor: Dr. Rekha Bharti, Professor, Obstetrics & Gynaecology & Warden Girls' Hostel

Members:

- Dr. Dharam Singh Meena, Director Professor, Anaesthesia & Registrar
- Dr. Mamta Panwar, Associate Professor,



Anti-Ragging Committee

Standing 1st Row(L to R): Dr Renuka Sharma, Dr Supriya Gupta, Dr Sarvesh Tandon,
Dr Jugal Kishore, Dr Charanjeel Kaur

Standing 2nd Row (L to R): Ms Bhavya (Student), Mr Kamal, Dr Sachin Kolte, Dr Manish Kumath,
Dr. D S Meena, Dr Mamta Pawar

Standing 3rd Row (L to R): Mr Kumar Utpal (Student), Mr Sourabh Kher, Dr Sandeep Shaina, Dr Meghraj Kundan,
Mr Sanjay Pradhan



Biomedical waste management committee

Standing 1stRow(L to R) Dr. Malini R Capoor (OIC BMW), Dr Neeraj Gupta (AMS, Kayakalp), Dr. Atul Goel (DGHS),
Dr. B.R. Sherwal (Medical Superintendent), Dr. Geelika Khanna (Principal), Dr.Vandana Chakrabarti (AMS, BMW)

Standing 2ndRow(L to R): Er. Sachin Bhargav, ANS Beena Rani, ONS Rekha Rani, Dr. Geeta Yadav, Dr. Bhoomika Gupta,
Dr. Anjali Sharma, Dr. Bhavana Singh

Standing 3rdRow(L to R): JE. Garvit Mishra, Er. B.L. Kachawah, Er. Rajeshwar Prasad, ANS Kailash, SNO Annamma
Paul, SNO Preeti Sushil



College Infrastructure Development Committee
Standing 1st Row (L to R): Dr Neeraj Gupta, Dr Geetika Khanna, Dr Rita Kanaujiya, Dr Manushree Gupta
Standing 2nd Row (L to R): Dr Meghan Kundan, Dr Vivek Yadav, Dr Sandeep Shaina, Dr Amitabh



Curriculum Committee
L to R: Dr. Isha Preet Tuli, Dr. Monika Gupta, Dr. Geetika Khanna,
Dr. Himani Ahluwalia, Dr. Rachna Sehgal, Dr. Deepthi Nair.

- Anaesthesia & Assistant Warden Girls' Hostel,
- Dr. Manish Kumath, Professor, Forensic Medicine & Security I/C
- Dr. Mohit Gupta, Professor Forensic Medicine & Assistant Warden, Boys' Hostel
- Dr. Sachin Kolte, Professor, Pathology & Deputy Registrar
- Dr. Sandeep Shaina, Associate Professor, Orthopaedics & Assistant Warden Boys' Hostel
- Dr. Surabhi Yadav, Professor, Biochemistry & Assistant Warden Girls' Hostel,
- Student Representative Boys' Hostel
- Student Representative Girls' Hostel

Institutional Ethics Committee

Chairperson: Dr. Sunita Saxena, Senior External expert

Member secretary: Dr. Sumathi Muralidhar - Senior

Internal expert Specialities:

a. Clinicians:

- Dr. Chintamani- General Surgery (Internal)
- Dr. Manushree Gupta- Psychiatry (Internal)
- Dr. Ajay Gogia- General Medicine (External)
- Dr. Anupam Prakash – General Medicine (External)
- Dr. Manju Puri-OBG (External)
- Dr. Karoon Agarwal- Plastic Surgery (External)

b. Pharmacologist:

- Dr. Harmeet Singh Rehan- Pharmacology (External)
- Dr. Veena Verma – Pharmacology (Internal)

c. Basic scientist:

Dr. Renuka Sharma- Physiology (Internal)
Dr. Jugal Kishore- Community Medicine (Internal)

d. Legal expert:

Mr. Tilakraj Talar – Legal expert (External)

e. Social scientist:

Ms. Poonam Dhanda- Social Scientist (Internal)

f. Layperson:

Ms. Vaishali Sharma Mahendra – M.Phil (External)

Total Number: 14 + (Office staff- Mr. Vikas, Mr. Ankit, Mr. J.D.Ansari)

External: Internal ratio = 7 external and 7

internal Gender distribution: 6 Females and 8 males.

Internal Complaints Committee

Convenor: Dr. Veena Verma, Director Professor & HOD, Pharmacology

Members:

- Dr. Vandana Mehta, Director Professor, Anatomy
- Dr. Hitendra Loh, Director Professor, Anatomy
- Dr. Anjali Dabral, Consultant, Obstetrics & Gynaecology
- Dr. Monika Matlani, Associate Professor, Microbiology
- Dr. Charanjit Ahluwalia, Consultant & Professor, Pathology
- Dr. Rashmi Arora, Consultant & Professor, Pathology
- Dr. Sanjay Sood, CMO, SSB
- Dr. Jaspreet Kaur, Radiotherapy
- Mrs. Asha Patiyal, DNS
- Mrs. Vaishali Sharma Mahendra, External member

Internship Committee

Convenor: Dr. Anita Khokhar, Director Professor, Community Medicine

Co-Convenor: Dr. Renuka Sharma, Director Professor, Physiology

Members:

- Dr. Davinder Singh, Director Professor, Sports Injury Centre
- Dr. Harsha Gaikwad, Professor, Obstetrics & Gynaecology
- Dr. Jainendra Kumar Arora, Professor, Surgery
- Dr. Pavan Nayar, Consultant & Professor, Anaesthesia
- Dr. Rashmoni Jana, Professor, Anatomy
- Dr. Shivlok Ambedkar, Associate Professor, Medicine

Kayakalp Committee

Chairperson: Dr. B.L. Sherwal, Medical Superintendent,



Institutional Ethics Committee

Standing 1st Row (L to R): Ms. Vaishali Sharma Mahendra, Dr. Veena Verma, Dr. Sumathi Muralidhar, Dr. Sunita Saxena, Dr. Renuka Sharma.

Standing 2nd Row (L to R): Dr Samir Bakshi, Dr Karoon Agarwal, Mr Santosh Srivastava, Dr Harmeet Singh Rehan, Ms Poonam Dandha, Dr Jugal Kishore

Standing 3rd Row (L to R): Mr Vikas, Dr Ajay Gogia, Mr Ankit



Kayakalp Committee

SITTING (L to R): Dr Neeraj Gupta (AMS, Kayakalp), Dr. B.L. Sherwal (Medical Superintendent), Dr. Atul Goel (DGHS), Dr. Geetika Khanna (Principal), Dr. Vandana Chakravarty (AMS, BMW), Dr. Malini R Kapoor (OIC, Kayakalp)

Standing 1st Row (L to R): ANS Prem Rose, ANS Sunita Nagpal, ONS Rekha Rani, ANS Beena Rani, ANS Kailash Pal, Dr. R.P. Arora, Dr Rajini Gaiind

Standing 2nd Row (L to R): Er. B.L. Kachawah, Er. Rajeshwar Prasad, Dr. Gaurav Arora, Dr. Pankaj Ranjan, Dr. Mukesh Nagar, Dr. Geeta Yadav, Dr. Shalini Samanta, Dr. Bhavana Singh

Standing 3rd Row (L to R): Dr Sanjay Sood, JE. Garvit Mishra, SNO Annamma Paul, Er. Sachin Bhargav (HSCC), SNO Preeti Bushi

Addl MS: Dr Neeraj Gupta, Sr CMO

OIC Kayakalp: Dr Malini R Capoor,

Members:

- Dr. R P Arora, OIC Sanitation & Estate
- Dr Malini R Capoor, OIC, BMW
- Dr. Rajni Gaiind, HOD Microbiology
- Dr. Sanjay Sood, OIC SSB & CSSD Laundry
- Dr Geeta Yadav, Community Medicine
- Dr Gaurav Arora, OIC, IT
- Dr. Pankaj Ranjan, OIC OPD
- Dr. Naresh Bhardwaj, OIC NEB
- Dr Shalini Smanla , Community Medicine
- Dr. Naresh Sood, OIC Main Kitchen
- Dr. Ashish Jaiman, OIC Security
- Shri Rajeshwar Prasad, Ex.Er. CPWD Civil
- Shri R.N. Singh, Ex.Er. CPWD Electrical
- ONS Mrs Rekha Rani

Kayakalp assessment group

Doctors: Dr. Sanjay Sood, Dr Geeta Yadav, Dr Pankaj Ranjan, Dr Bindu Garg, Dr Mukesh Nagar, Dr. Yogesh Gautam

Sisters: ANS. Kailash Pal, ANS Beena Rani Massey, ANS Sunita Nagpal, ANS Prem Rose, SNO Sunita Dixit, SNO Annama, SNO Preeti, NO Indira

Kayakalp Supervisor: Shivshankar

Medical Education Unit

Coordinator: Dr. Jugal Kishore, Director Professor & HOD, Community Medicine

Co-Coordinator:

- Dr. Amita Yadav, Professor, Biochemistry
- Dr. Vibha Uppal, Associate Professor, Biochemistry

Members:

- Dr. Anita Khokhar, Director Professor, Community Medicine
- Dr. Deepthi Nair, Consultant & Professor, Microbiology
- Dr. Harish Chellani, Consultant & Professor, Paediatrics Dr. Himani Ahluwalia, Director Professor & HOD, Physiology
- Dr. Jasbir Kaur, Professor, Anatomy
- Dr. L G Krishna, Director Professor & HOD, Orthopaedics

- Dr. Monika Gupta, Professor, Obstetrics & Gynaecology
- Dr. Nikki Sabharwal, Consultant & Professor, Anaesthesia
- Dr. Rachna Sehgal, Professor, Paediatrics
- Dr. Renuka Sharma, Director Professor, Physiology
- Dr. Richa Kapoor, Director Professor, Community Medicine
- Dr. Sachin S Kolte, Professor, Pathology
- Dr. Shilpa Suneja, Associate Professor, Biochemistry
- Dr. Supriya Gupta, Director Professor, Physiology
- Dr. Vandana Mehta, Director Professor & HOD, Anatomy

PG Complaints/Grievances Committee

Convenor: Dr. Vandana Mehta, Director Professor & HOD, Anatomy

Co-Convenor: Dr. Manushree Gupta, Associate Professor, Psychiatry

Members:

- Dr. Atri Chatterjee, Associate Professor, Neurology
- Dr. Deepthi Nair, Consultant & Professor, Microbiology
- Dr. Rekha Bharti, Obstetrics & Gynaecology
- Dr. Richa Kapoor, Dir Professor, Community Medicine
- Dr. Shaily Mina, Associate Professor, Psychiatry
- Dr. Supriya Gupta, Director Professor, Physiology
- Dr. Shalini Smanla, Associate Professor, Community Medicine

Post Graduate & DNB Committee

Convenor: Dr. Supriya Gupta, Director Professor, Physiology

Co-Convenors:

- Dr. Deepthi Nair, Consultant & Professor, Microbiology
- Dr. Rekha Bharti, Professor Obstetric & Gynaecology



Medical Education Unit

Sitting (L to R): Dr. Vandana Mehta, Dr. Renuka Sharma, Dr. Richa Kapoor, Dr. Deepthi Nair, Dr. Geetika Khanna, Dr. Jugal Kishore, Dr. Supriya Gupta, Dr. Himani Ahluwalia, Dr. Amita Yadav.

Standing (L to R): Dr. Mohit Gupta, Dr. Sachin S Kolte, Dr. Sarvesh Tandon, Dr. Monika Matlani, Dr. Sukanya Gangopadhyay, Dr. Kamlesh Garg, Dr. Jasbir Kaur, Dr. Monika Gupta, Dr. Vibha Uppal, Dr. Rachna Sehgal



PG Complaints/Grievances Committee

Standing 1st Row (L to R): Dr. Shally Mina, Dr. Richa Kapoor, Dr. Geetika Khanna, Dr. Vandana Mehta, Dr. Deepthi Nair

Standing 2nd Row (L to R): Dr. Manushree Gupta, Dr. Atri Chatterjee, Dr. Shalini Smanla

Members:

- Dr. Chintamani, Consultant & Professor, Surgery
- Dr. Durga Karki, Professor, Burns & Plastic
- Dr. G. Usha, Consultant, Professor & HOD, Anaesthesia
- Dr. Himanshu Kataria, Director Professor, Sports Injury Centre
- Dr. Neera Choudhary, Professor & HOD, Neurology
- Dr. Richa Kapoor, Director Professor, Community Medicine
- Dr. Ritu Nair Mishra, Consultant & Professor, Radiology
- Dr. R. K. Chopra, Director Professor, Orthopaedics
- Dr. Sameer Gulati, Associate Professor, Medicine
- Dr. Sarvesh Tandon, Consultant & Professor, Forensic Medicine

Quality cell**Officer In-Charge- Dr Shilpee Kumar****Members:**

- Dr Vibha Uppal, Associate Professor, Biochemistry
- Dr Monika Matlani, Associate Professor, Microbiology
- Dr Anjali Sharma, Specialist and Assistant Professor, Pathology
- Dr Ritu Aggarwal, CMO, Obstetrics & Gynaecology
- Dr Sapna Bathla, Associate Professor, Anaesthesia
- Ms Shanu, SNO
- Ms Jisha Sree Kumaran, SNO

Research Cell (Short Term Training/ Clinical Research Assistantship/Intramural or extramural projects/PhD)

Convenor: Dr. Vandana Mehta, Director Professor & HOD, Anatomy

Co-Convenor: Dr. Sachin S Kolte, Professor, Pathology

Members:

- Dr. Bindusar Kalita, Professor, Anatomy
- Dr. Charanjeet Ahluwalia, Senior Specialist & Professor, Pathology
- Dr. Dharmendra Kumar Singh, Associate Professor, Radiology
- Dr. Divya Pandey, Associate Professor, Obstetrics & Gynaecology
- Dr. Manpreet Kaur, Associate Professor, Physiology
- Dr. Manushree Gupta, Associate Professor, Psychiatry
- Dr. Megha Tandon, Associate Professor, Surgery
- Dr. Monika Matlani, Associate Professor, Microbiology
- Dr. Namita Shrivastava, Statistician, Community Member
- Dr. Navjot Kaur, Associate Professor, Pharmacology
- Dr. Sarvesh Tandon, Consultant & Professor, Forensic Medicine
- Dr. Shalini Smanla, Associate Professor, Community Medicine
- Dr. Sheetal Arora, Associate Professor, Pathology
- Dr. Shobha Sharma, Professor, Paediatrics
- Dr. Sujata Sarabahi, Consultant & Professor, Burns & Plastic
- Dr. Sumathi Muralidhar, Consultant & Professor, STD
- Dr. Veena Verma, Director Professor & HOD, Pharmacology

Skills Lab committee

Convenor: Dr. Parul Mullick, Professor, Anaesthesia

Co-Convenor: Dr. Rachna Sehgal, Professor, Paediatrics

Members:

- Dr. Anubhav Gupta, Professor & HOD, CTVS
- Dr. Arin, Associate Professor, Anaesthesia
- Dr. Dharmendra Kumar Singh, Associate Professor, Radiology
- Dr. Geeta Yadav, Professor, Community



Post Graduate & DNB Committee
L to R: Dr. Rekha Bharti, Dr. Deepthi Nair, Dr. Geetika Khanna,
Dr. Sarvesh Tandon, Dr. Supriya Gupta, Dr. Richa Kapoor



Quality cell
Standing 1st Row (L to R): Dr Vibha Uppal, Dr Neeraj K Gupta, Dr Geetika Khanna,
Dr Shilpee Kumar, Dr Sapna Bathla
Standing 2nd Row (L to R): Ms Shanu, Dr Anjali Sharma, Dr Monika Matlani



Research Cell (Short Term Training/ Clinical Research Assistantship/Intramural or extramural projects/PhD)

Standing 1st Row (L to R): Dr. Sarvesh Tandon, Dr. Geetika Khanna, Dr. Vandana Mehta, Dr. Sumathi Muralidhar
Standing 2nd Row (L to R): Dr Bindusar Kallita, Dr Sachin Kolte, Dr Charanjit Ahluwallia, Dr Monika Matlani, Dr Manpreet Kaur, Dr Manushree Gupta



Skills Lab committee

Standing 1st Row (L to R): Dr. Sheeba Marwah, Dr Parul Mallick, Dr. Geetika Khanna, Dr. Rachna Sehgal, Dr. Manpreet Kaur
Standing 2nd Row (L to R): Dr Deepak Sharma, Dr Sparsh Gupta, Dr Sachin Kolte

Medicine

- Dr. Ishapreet Tuli, Professor, ENT
- Dr. Jainendra Arora, Professor, Surgery
- Dr. Manpreet Kaur, Professor, Physiology
- Dr. Niharika Chaudhary, Assistant Professor, Ophthalmology
- Dr. Niki Sabharwal, Consultant & Professor, Anaesthesia
- Dr. Paras Kathuria, Associate Professor, Medicine
- Dr. Pawan Vasudev, Professor, Urology
- Dr. Prashant Verma, Assistant Professor, Skin
- Dr. Sheeba Marwah, Associate Professor, Obstetrics & Gynaecology
- Dr. Sparsh Gupta, Professor, Pharmacology

Sports committee

Convenor: Dr. Puja Chauhan, Professor, Anatomy

Co-Convenor: Dr. Rupali Malik, Associate Professor, Medicine

Members:

- Dr. Gaurav Arora, CMO (NFSG), Anaesthesia
- Dr. Pranav Ish, Assistant Professor, Respiratory Medicine
- Dr. Pallav Mishra, Associate Professor, Sports Injury Centre

Student Grievance & Redressal Committee

Convenor: Dr. Abhilasha Yadav, Professor, Psychiatry

Co-Convenor: Dr. G A Sunil Kumar, Dir Professor, Forensic Medicine

Members:

- Dr. Manish Kumath, Professor, Forensic Medicine
- Dr. Manisha Jain, Associate Professor, Microbiology
- Dr. Puja Chauhan, Associate Professor, Anatomy
- Dr. Sheeba Marwah, Assistant Professor, Obstetrics & Gynaecology
- President, Student Welfare Association
- General Secretary, Student Welfare Association

Student Welfare & Counselling Committee

Convenor: Dr. Jatin Talwar, Professor, Orthopaedics

Co-Convenor: Dr. Manushree Gupta, Associate Professor, Psychiatry

Members:

- Dr. Bhawna Sharma, Associate Professor, Microbiology
- Dr. Jasbir Kaur, Professor, Anatomy
- Dr. Nishith Kumar, Associate Professor, Radiology
- Dr. Pankaj Verma, Senior specialist & Professor, Psychiatry
- Dr. Shalini Smanla, Associate Professor, Community Medicine
- Dr. Shaily Mina, Associate Professor, Psychiatry

Undergraduate Committee

Convenor: Dr. Renuka Sharma, Director Professor, Physiology

Co-Convenor:

- Dr. Megha Arora, Associate Professor, Biochemistry
- Dr. Sheetal Arora, Associate Professor, Pathology

Members:

- Dr. Isha Preet Tuli, Professor, ENT
- Dr. Malini Capoor, Sr. Specialist & Professor, Microbiology
- Dr. Megha Tandon, Associate Professor, Surgery
- Dr. Ravi Srinivasan, Associate Professor, Orthopaedics
- Dr. Rupali Malik, Associate Professor, Medicine
- Dr. Shilpee Kumar, Professor, Microbiology



Sports committee

Standing 1st Row (L to R): Dr Varun, Dr Gaurav Arora, Dr GA Sunil Kumar Sharma, Dr Geetika Khanna, Dr Puja Chauhan, Dr Payal

Standing 2nd Row (L to R): Dr Amit, Dr Sandeep Shalna , Dr Pallav Mishra ,Dr Rupali Mallik



Student Grievance & Redressal Committee

Standing 1st Row (L to R): Dr Puja Chauhan, Dr Geetika Khanna, Dr Shilpee Kumar, Dr Abhilasha Yadav

Standing 2nd Row (L to R): Dr Sunil Kumar, Dr Manish Kumath



Student Welfare & Counselling Committee
L to R: Dr Jatin Talwar, Dr Bhavana Sharma, Dr Shalini Smania,
Dr Geetika Khanna, Dr Manushree Gupta, Dr Pankaj Verma



Undergraduate Committee
Sitting (L to R): Dr Nishant Dev, Dr. Sheetal Arora, Dr. Renuka Sharma, Dr. Geetika Khanna,
Dr. Malini Capoor, Dr. Megha Arora
Standing (L to R): Dr. Rupali Malik, Dr. Isha Preet Tuli, Dr Sheeba Marwah, Dr Shilpee Kumar

Hospital Infection Control Committee

Chairperson: Dr BL Sherwal, Medical Superintendent

Addl MS: Dr PS Bhatia

Officer Incharge: Dr Rajni Gaind

Nodal Officer: Dr Rushika Saksena

Members: Dr Geetika Khanna, Principal

Addl MS BMW

Addl MS Quality Cell

All HODs

Incharges Nursery and All ICUs

Officer Incharge Sanitation

Officer Incharge Medical Store

Officer Incharge General Store

Officer Incharge Emergency Services

ONS Rekha Rani

Infection Control Nurses (ANS Prem Rose, ANS

Sunita Nagpal)

Executive Engineer CPWD (Civil)

Executive Engineer CPWD (Electrical)

Chief Sanitary Superintendent

Sanitary Superintendent



Hospital Infection Control Core Committee
L to R: ANS Prem Rose, Dr Rushika Saksena, Dr Rajni Gaind, Dr Geetika Khanna,
Dr B L Sherwal, Dr P S Bhatia, ANS Sunita Nagpal

Surreal Experiences of COVID 19 Pandemic: Safdarjung Hospital's Journey of Grit and Courage!

Since the first COVID-19 case reported in China in November 2019, the whole world went through tremendous jeopardy. We have seen great upheaval in medical knowledge, health standards, and technology as well as in human behaviour and relations. This period has seen contrarily many losses and many achievements.

Our hospital; being a premier central government tertiary care centre in the national capital; has tackled the COVID 19 wave from the frontline.

When the first case came positive in Kerala and a few weeks later, the first one was confirmed in Delhi NCR, our hospital geared up for the pandemic.

The Super speciality building (SSB) was vacated and revamped as COVID care wards and isolation units.

Slowly, all clinical departments were given areas in these newly formed COVID blocks for wholesome/ holistic treatment to COVID affected patients.

Emergency surgeries were being conducted; deliveries and C sections were being offered to COVID+ patients. COVID + neonates and children were treated; ICUs were run very efficiently by our team of anaesthesiologists. New treatment regimens were formulated and patient care was uplifted by constant multidisciplinary team effort.

March 2020 onwards, many circulars were issued by the Medical Superintendent in preparation of the pandemic. All seminars, workshops, physical meetings were cancelled, elective surgeries were cancelled, OPD timings got reduced, geriatric OPD was closed, leaves of all staff were cancelled and Resident doctors were posted in COVID ward in rotational manner.

All patients who were from Delhi or nearby areas were discharged. Those from outside Delhi from distant states were only retained with only one caregiver allowed per patient.

Social distancing, use of mask and hand sanitization techniques were taught daily in OPD as well as in ward rounds to staff and patients alike. Exposure was further reduced with strategically minimizing persons in rounds/OPDs and promoting virtual discussions with other team members.

Guidelines for protection & safety during COVID-19 were issued from MoHFW during this period. Hydroxychloroquine prophylaxis was proposed to

health care workers.

Infection prevention and control program was initiated in the Hospital with regular trainings on PPE donning-doffing, mask usage, hand washing and Biomedical Waste management.

Fever screening clinic was setup in the old emergency building and suspected COVID patients were sent to COVID sampling unit in the same building for rtPCR based test following the ICMR guidelines. Rapid antigen test was also introduced in the premises later on.

As per data received from MRD section; there were 3558 COVID - 19 admissions and 915 deaths in 2020 and 1519 COVID - 19 admissions and 393 deaths in 2021.

COVID vaccination centre was established in the premises in Jan 2021 for employees as well as general public on appointment basis through COWIN app.

Medical Teaching saw a giant leap in this period. Lectures, postings, group discussions, practicals and even examinations were shifted to online mode. Medical facilitators had to learn and adapt themselves to the new tools of online teaching. Microsoft teams' platform was introduced in our medical college. Special workshops were conducted in collaboration with NITTR, Chennai to train the teachers in online teaching methodologies and soft wares. Time to time guidelines was followed from National Board of Examinations, GGSIP University for student related matters in this pandemic situation.

In spite of all the problems faced by our students, teachers, clinicians and staff pertaining to local accommodation, closure of mess, restriction of public transport, overwork and occupational hazards; our hospital put up a great show by individual multitasking, selflessness, multidisciplinary cooperation and overall ready acceptance to changes and upgradation by all members of our premier institution.

We have lost many precious lives and endured much suffering during all this turmoil yet together, as a team, we have managed to successfully survive this madness and keep the baton shining high for treatment and teaching alike.

Department of Accident & Emergency Services

PRELUDE

The Accident and Emergency Services Department receives patients from the city of Delhi and the surrounding states. More than 1200 patients visit the department daily ranging from common illness to Medical and Surgical Emergencies, polytrauma, Assault, RTA, Animal bite & Dog bite and other Emergency conditions like suspected Covid and monkeypox.

The multi disciplinary Emergency providing Medical care includes different investigations (Lab's & Radiological) modalities under one roof. The New Emergency block has state of the art facility to provide multi-disciplinary care to patients suffering from all medical and surgical emergencies, provided by Specialist doctors/SRS /JRS of various disciplines, Nurses, para-medical and support staff. The facility has been providing Emergency services 24 X 7 round the clock. The Emergency block has state of the art ICUs, OTs, Emergency receiving rooms and wards, equipped with latest technology. The Department has 60 Disaster beds with surge capacity upto150.

The Emergency Department is functioning round the clock with doctors & staff working in shift duties.

FACULTY

- Dr. Krishan Kumar, Officer In-charge, NEB.
- Dr. Surinder Kumar Goyal, Nodal Officer & CMO I/C Casualty, NEB

NEW COURSES/SUBJECTS INTRODUCED DURING THE YEAR

- NELS training proposal sent & under process and Training Programs will start in near future.

ACHIEVEMENTS IN NEB TO IMPROVE SERVICES.

Following changes have taken place in services of new Emergency Block to improve patient services.

- "May I help you" counter established to provide assisted trolley & wheelchair to all needy patients of red and yellow category.
- Triage Desk established and is manned by one Doctor, Two Trauma Nurse coordinators and Two Social Workers.

- 4 Green Desks established for walk-in Green Patients under supervision of medical officer
- Examination Halls ER1-4 put under command of Respective specialities.
 - Hall1 (ER1)- Anaesthesia and critical care
 - Hall2 (ER2)- Paediatrics Medicine
 - Hall3 (ER3)- Surgery and Orthopedics
 - Hall4 (ER4)- Medicine
- Physical presence of faculty ensured in all Ers.
- Regular Rounds of faculty in all ERs in morning, afternoon night. Intra hospital transfers and referrals have been streamlined.
- Steps have been taken to decongest all Emergency Areas including Minor OT and Radiology and waiting period has been minimized.
- Appointment system and queue management system has been implemented.
- Safe intrahospital transfer of all patients on life support has been ensured and critical patients are being accompanied by Doctor/Paramedic.
- OSD is taking regular round and is accompanied by CMO, ANS and Supervisor of all outsourced agencies i.e., Security, Sanitation, Maintenance. Daily rounds are being taken in all Emergency Areas of NEB to monitor progress and to resolve issues to streamline and provide appropriate patient care.



L to R: Dr S K Goyal, Dr P S Bhatia, Dr Naresh Bhardwaj

Basic Sciences

- ANATOMY • BIOCHEMISTRY • COMMUNITY MEDICINE
- FORENSIC MEDICINE & TOXICOLOGY • MICROBIOLOGY
- PATHOLOGY • PHARMACOLOGY • PHYSIOLOGY

Department of Anatomy

PRELUDE

The Department of Anatomy was established in 2001 along with the inception of the College and since then has played a pivotal role in imparting anatomical knowledge and skills through Didactic Lectures and dissection sessions to both undergraduate and postgraduate students. Anatomy Department also conducts theory and practical classes for various paramedical courses like BSc Nursing, Bachelor of Prosthetics and Orthoptics (BPO), BSc in Medical Laboratory Technology course and Pre Hospital Trauma Technician course.

The Department has well equipped and functional dissection hall and histology lab with state-of-the-art facilities, museum and research immuno histochemistry lab. The Department is also engaged in imparting training for students pursuing Postgraduation (MD Anatomy). Interactive sessions and Guest lectures are organized on a regular basis. The Anatomy Department organizes several cadaveric workshops on regular basis in collaboration with clinical departments.

FACULTY

- Dr. Puja Chauhan, Professor
- Dr. Prabhat Goel, Professor
- Dr. Rashmoni Jana, Associate Professor
- Dr. RenuBaliyan Jeph, Professor
- Dr. Bindusar Kalita, Professor
- Dr. Mahendra Kathole, Professor
- Dr. Jasbir Kaur, Professor
- Dr. Mangala Kohli, Director. Professor
- Dr. Hiltendra Loh, Director. Professor
- Dr. Vandana Mehta, Director. Professor & Head
- Dr. Smita Tapas, Professor

APPOINTMENT OF FACULTY TO HIGHER POSTS

- /ASSIGNMENTS OUT SIDE PROMOTIONS
- Dr. Hiltendra Loh
- Director, National Medical Library

ASSIGNMENT IN ACADEMIC ASSOCIATIONS:

- Dr. Renu Baliyan Jeph
- Expert (UG), National Medical Commission, August – October 2021
- Dr. Mahendra Kathole

- Nodal Officer for DNB/FNB courses running under NBEMS. Centre Appraiser for FMGE & NEET PG under NBEMS January – December 2021
- **Dr. Hitendra Loh**
Centre Appraiser for FMGE & NEET PG under NBEMS, January – December 2021
- **Dr. Vandana Mehta**
Subject Expert, National Board of Examinations
Centre Appraiser for FMGE & NEET PG under NBEMSPG
- Assessor, National Medical Commission, January – December 2021

SEMINARS / CONFERENCES / WORKSHOPS

/CMEs HELD IN THE DEPARTMENT

- 2nd National Arthroscopy Knee and hip replacement workshop in collaboration with Sports Injury Centre October, 2021

SEMINARS / CONFERENCES / WORKSHOPS/

CMEs ATTENDED BY THE FACULTY

- **Dr. Vandana Mehta**
- Guest speaker at "CHANCE 2021" on Changing ends in Anatomy education in Covid era" Chennai) on 18 August 2021
- Chairperson of Guest lecture at AVEOCON (Moradabad medical college), 9th & 10th July 2021
- Panelist and Chairperson of International conference of Anatomy on "Evolving trends in Anatomy", 22nd & 23rd October 2021
- IESRF Reviewer Workshop – participated as delegate, 22-24 October 2021
- Item writing workshop conducted by National Board of Examinations, 5th October 2021
- Lecture taken in Workshop on MCQ's – Framing at Revised Basic Workshop conducted by medical education unit, VMMC, August 2021.

Dr. Hitendra Loh

- Organized Webinar 'Digital Lecture Theatre for Medical Education, February 2021
- Chief Guest & Speaker for BiGinfo webinars-XIII entitled- 'Evidence Based Research in Clinical Practice: Concepts and Implementation', Aug 2021
- Nominated as Panelist at International Workshop

of Anatomy-IWA 21 (Online), Oct 2021

- Nominated as Judge at Attended International Workshop of Anatomy-IWA 21 (Online), Oct 2021
- As a Judge, invited for a Dissection Competition participated by the 1st year MBBS Students at Subharti Medical College, Meerut, Oct 2021.
- **Dr. Jasbir Kaur**
- Participated in international workshop of Anatomy IWA - 2021 Research Centre under the aegis of ASI from Theme being; Evolving trends in Anatomy: A global perspective. 22-23 October 2021.
- Coordinated guest lectures for various departments including as a member of medical education unit, VMMC from 3rd to 5th August 2021.
- Conducted Workshop on specific learning objectives from competencies and specify the domain and the skill level in Revised Basic Workshop conducted by Medical Education Unit, VMMC from 24-26th August, 2021

Dr. Rashmoni Jana

- Participated Indian Academy of Neurosciences workshop on "Brain imaging and mapping protocol for humans", July 2021
- Attended Medical education conference (MEDUCON-2021), 2-3rd September 2021
- Participated pre conference workshop of medical education conference (MEDUCON-2021) on "Soft Skill for Medicos", 2nd September 2021
- Participated pre conference workshop of medical education conference (MEDUCON -2021) on "Pedagogical approaches and best practices in SBME", 2nd September 2021
- Participated international workshop of Anatomy IWA-2021 on "Evolving Trends in Anatomy: A global perspective" from 22-23 October 2021

Dr Bindusar Kalita

- Attended Revised Basic Workshop conducted by medical education unit, VMMC. 24-26th August 2021

Dr Puja Chauhan

- Delivered a guest lecture on "Pros and Cons of Online Anatomy Teaching" at National Anatomy

Conference organized by Maharshi
Markendeshwar University, Mullana, Ambala

Dr Mahendra Kathole

- Attended Revised Basic Workshop conducted by medical education unit, VMMC.24-26th August 2021

Dr Prabhat Goel

- Attended Revised Basic Workshop conducted by medical education unit, VMMC.3rd -5th August 2021

RESEARCH: THESIS (ONGOING)

- Dr. Jivak Bansal- Histomorphological variations in dentate gyrus in post-mortem autopsy specimens in Indian population, (Guide- Dr. Puja Chauhan)
- Dr. Kancharla Emmanuel- Morphological and morphometric evaluation of semimembranosus muscle and oblique popliteal ligament, (Guide- Dr. Renu Baliyan Jeph)
- Dr. Mayank Arya- Morphology and morphometric analysis of coronary arteries and aortic valve complex in cadavers and computerized tomography angiograms, (Guide- Dr. Rashmoni Jana)
- Dr. Alok Ranjan- Anatomico-radiological study of coronary arteries and their branches with special reference to Kugel's artery, (Guide- Dr. Vandana Mehta)
- Dr. Sonam Paryani- Morphologic and morphometric analysis of dry adult human suprascapular notch in Indian population, (Guide- Dr. Mangala Kohli)
- Dr. Vikram Kumar- Morphometric study of proximal end of tibia in the Indian population, (Guide- Dr. Mangala Kohli).

RESEARCH: THESIS (COMPLETED)

- Dr. Balamurali- Morphometric analysis of lumbar intervertebral foramina using three dimensional imaging in adult north Indian population June 2019 -June 2022, (Guide- Dr. Mahendra Kathole).
- Dr. Yamini Markam- Study of suprarenal glands morphometry and its vasculature, May 2019 - April 2022, (Guide: Dr. Hitendra Loh).

GUEST LECTURES DELIVERED BY THE FACULTY.

- **Dr. Vandana Mehta**
- Guest speaker at "CHANCE 2021" on "Changing ends in Anatomy education in Covid era" (Chennai)
- Guest speaker at CME on "Clinical Anatomy" organized by Subharti Medical College, Meerut

Dr Hitendra Loh

- Delivered a Guest lecture on "Digital Lecture Theatre for Medical Education" at National Webinar by AD Instruments

GUEST LECTURES ORGANIZED BY THE DEPARTMENT.

Dr Rima Dada- Complex lifestyle – the role of yoga in health promotion and disease prevention held in February 2021

EXTERNAL ASSIGNMENTS OF SIGNIFICANCE

Dr Vandana Mehta- External Expert at NII (National Institute of Immunology)

BRIEF WRITE UP ON DISTINCTIONS ATTAINED IN SPORTS AND EXTRA CURRICULAR ACTIVITIES.

Dr Puja Chauhan- Professor represented Ministry of Health and Family Welfare and won the Silver Medal in Mixed Doubles and Bronze Medal in Women's Doubles in Badminton during the Interministry Badminton Tournament in 2021

Dr Puja Chauhan- Awarded the "Superaction Player Award" by Civil Services Sports Board in 2021

DISTINCTIONS ATTAINED BY STUDENTS/ RESIDENTS

Dr Deepika Poonia- Post Graduate Student, received Gold Medal in DNB (Anatomy) in 2021.

SIGNIFICANT ACHIEVEMENTS DURING THE YEAR

Dr Vandana Mehta- Contributed four chapters on Anatomy of Pelvis in book on "Labour Management" published by Francis and Taylor.

Dr Vandana Mehta - Technical expert Group (TEG) for dealing with appeals relating to the central government under NMC Act 2019 in November 2021 with approval of Honourable Minister of Health & Family welfare.



Standing 1stRow (L to R): Dr Smita Tapas, Dr Rashmoni Jana,
Dr Vandana Mehta, Dr Puja Chauhan, Dr Renu Baliyan Jeph

Standing 2ndRow (L to R): Dr Mahendra Kathole, Dr Bindusar Kalita,
Dr Hitendra Loh, Dr Prabhat Goel

Department of Biochemistry

PRELUDE

The department of Biochemistry was set up in December 2001 at the inception of the Vardhman Mahavir Medical College. The department of Biochemistry is engaged in both academics and providing laboratory services.

The department of Biochemistry is involved in running following academic courses: MBBS, affiliated to Guru Gobind Singh Indraprastha University, Delhi, recognized by NMC. M.D. (Biochemistry) affiliated to Guru Gobind Singh Indraprastha University, Delhi, recognized by NMC. B.Sc. (Hons.) Nursing affiliated to Guru Gobind Singh Indraprastha University, Delhi and recognized by Indian Nursing Council & Delhi Nursing Council. B.Sc. MLT affiliated to Guru Gobind Singh Indraprastha University, Delhi.

The department of Biochemistry has a Clinical Biochemistry Unit which is now NABL accredited & Dr. Anita Rani, Director Professor is the Unit Head. It caters to the biochemical investigations 24hrs. x 7 for in-patients as well as out-patients of the entire hospital.

There are two big laboratories running under Clinical

- Biochemistry Unit:
- Routine Biochemistry Lab – operational from 8:30 am – 4 pm (Monday-Friday); from 8:30 am – 1:00 pm (Saturday).
- 24 hrs. Emergency Biochemistry Lab – 24hrs.x 7 days operational.

The department is actively involved in quality education, medical research, training and patient care:

- **ACADEMIC SERVICES:** The Department of Biochemistry is consistently involved in imparting quality education to the student's taking admission under various courses like M.D. (Biochemistry), MBBS, B.Sc. Nursing and DMLT, including training programs of MRT/MRO, IGNOU students (Nursing), short-term training to the Biotechnology students.
- The faculty is also involved in thesis work of various M.D, M.S, DM, MCh and DNB students of the hospital. Mostly the work is focused on molecular and genetic research for which a

well-equipped molecular biology lab has been established in the department.

- **ROUTINE LAB SERVICES:** The total numbers of Investigations done in the Routine Biochemistry lab from (January 2021 to December 2021) were 879138. There has been a significant increase in the total numbers of Investigations done.
- **EMERGENCY LAB SERVICES:** An independent Emergency Biochemistry Lab was set up in New Emergency Block of VMMC & Safdarjung Hospital, providing services to hospital round the clock. The lab is equipped with two fully automated analyzers with throughput of 1200 tests/hr & turnaround time of less than 2.5 hrs. The lab performed 1758990 tests in the year 2021.
- **QUALITY CONTROL ASSURANCE PROGRAMME:** The Department is actively involved in quality control programme and participating in EQAS programme conducted by CMC Vellore. Internal quality is also well maintained for all instruments being used.
- The department is also involved in conducting medical examination of the candidates of civil services during their selection by conducting their lab tests.
- The department is also actively involved in conducting screening programme for the welfare of technical staff of various departments of the hospital.
- **PATIENT STATISTICS** Routine Biochemistry lab
- Total number of tests done: 879138 Emergency Biochemistry lab
- Total number of tests done: 1758990

FACULTY

- **Dr. Megha Arora**, Professor
- **Dr. Rajni Dawar**, Professor
- **Dr. Sukanya Gangopadhyay**, Associate Professor
- **Dr. Deepa Halder**, Associate Professor
- **Dr. Charanjeet Kaur**, Director Professor & H.O.D.
- **Dr. Nalini Kaushik**, SMO
- **Dr. Khageshwar Mahato**, Associate Professor

- **Dr. Anita Rani**, Director Professor
- **Dr. Vandana Saini**, Professor
- **Dr. Shilpa Suneja**, Professor
- **Dr. Vibha Uppal**, Associate Professor
- **Dr. Amita Yadav**, Professor
- **Dr. Surabhi Yadav**, Professor

NEW ADDITION TO THE FACULTY

- **Dr. Jhanvie Manhas**, Assistant Professor

APPOINTMENT OF FACULTY TO HIGHER POSTS / ASSIGNMENT OUT SIDE PROMOTIONS

- **Dr. Rajni Dawar** w.e.f. 31.10.2020, Professor
- **Dr. Megha Arora** w.e.f. 14.01.2021, Professor
- **Dr. Surabhi Yadav** w.e.f. 29.11.2020, Professor
- **Dr. Vandana Saini** w.e.f. 17.11.2020, Professor
- **Dr. Shilpa Suneja** w.e.f. 09.06.2021, Professor

DISTINCTIONS ACHIEVED BY THE MEMBERS OF THE FACULTY

- **AWARDS**
- **Dr. Charanjeet Kaur** –Outstanding contribution in Kayakalp Scheme 2020-21
- **Dr. Anita Rani** –awarded for contribution to entry level NABH certification Standards implementation in VMMC & Safdarjung Hospital
- **Dr. Anita Rani** – Award in paper presentation on “Role of serum ferritin as Prognostic marker in Breast Cancer patient” in 47th National Conference of Association of Clinical Biochemists of India on 12th to 15th, December 2021

SEMINARS / CONFERENCES / WORKSHOPS/ CMEs ATTENDED BY THE FACULTY

- **Dr. Anita Rani**
- Revised Basic Course Workshop (rBCW) I
- Medical Education Technologies conducted by Medical Education Unit, Vardhman Mahavir Medical College & Safdarjung hospital, New Delhi
- Webinar on “NABL- Medical (Entry Level)
- Testing Laboratories Recognition Program” held in October 2021.

Dr. Amita Yadav

- 28th National conference of association of Medical Biochemists of India held from

Corresponding member of Committee of Reference Intervals and Decision Limits of IFCC on 2nd -5th Dec'2021 in AIIMS, Raipur

• **Dr. Rajni Dawar**

- 10th Annual CME of Clinical Biochemistry-2021 "Therapeutic Drug Monitoring-the right test at the right time" organized by Department of Biochemistry, Sir Ganga Ram Hospital, New Delhi & Association of Clinical Biochemists of India-Delhi Chapter on 16th November, 2021
- CME B-Kon 2021 "Diagnostic dilemmas in platelet and coagulation disorders" organized by Department of pathology, Govt. Medical College, Kottayam, Kerala held on 10th April 2021

Dr. Megha Arora

- 28th National conference of Association of Medical Biochemists of India held from 2nd -5th Dec'2021 in AIIMS, Raipur.

Dr. Surabhi Yadav

- 28th National conference of Association of Medical Biochemists of India held from 2nd -5th Dec'2021 in AIIMS, Raipur.

• **Dr. Vandana Saini**

- 28th National Conference of Association of Medical Biochemists of India "Molecular Ingress in the realm of Modern Diagnostics" organized by AIIMS Raipur from 2-5th December,2021. (Attended as Chairperson for oral paper session)
- 10th Annual CME of Clinical Biochemistry-2021 "Therapeutic Drug Monitoring-the right test at the right time" organized by Department of Biochemistry, Sir Ganga Ram Hospital, New Delhi & Association of Clinical Biochemists of India-Delhi Chapter on 16th November, 2021.
- CME B-Kon 2021 "Diagnostic dilemmas in platelet and coagulation disorders" organized by Department of pathology, Govt. Medical College, Kottayam, Kerala held on 10th April 2021. Virtual National CME on "Assault on health care workers:ways to overcome" organized by AIIMS,Telangana on 1st July 2021.

Dr. Shilpa Suneja

- Successfully completed the first contact session of CMC-FAIMER Fellowship 2021 Course from 19th to 25th May 2021(online mode).
- Resource Faculty for rBCW held on 3-5 Aug 2021 and 24-26 Aug 2021.

Dr. Sukanya Gangopadhyay

- Pre conference workshop on 'Digital Tools to improve learners' engagement' at National Conference of Health Professions education held on 28 October 2021 organized by Sri Guru Ram Das University of Health Sciences, Sri Amritsar.
- Pre conference workshop on 'Self Directed Learning' at National Conference of Health Professions education held on 27 October 2021 organized by Sri Guru Ram Das University of Health Sciences, Sri Amritsar.
- 2th National Conference of Health Professions education held in hybrid mode from 26-30 October 2021 organized by Sri Guru Ram Das University of Health Sciences, Sri Amritsar virtually.
- Lead Con 2021 "Lead, Environment & Health" held in virtual mode from 29-31 October 2021 organized by All India Institute of Medical Sciences, Jodhpur.
- 47th Annual Conference of the Association of Clinical Biochemists of India, Hybrid mode, 12-15 December, 2021, WBUHS, Kalyani, West Bengal, India.

Dr. Khageshwar Mahato

- 47th National Conference of Association of Clinical Biochemists of India from 12-15 December, 2021
- Participated in a workshop, the "Revised Basic Course Workshop in Medical Education Technologies" conducted by Medical Education unit, VMMC & Safdarjung Hospital, New Delhi on 12th to 15th December 2021

RESEARCH: THESIS (ONGOING)

- Dr. Sibasish Patro- Study of fibroblast growth factor receptor 1 and fibroblast growth factor receptor 2 gene polymorphism in carcinoma breast and its association with other biomarkers

from 2021-24 (Guide- Dr. Deepa Haldar)

- Dr. Karan Gupta- IL-18 Gene polymorphism in newly diagnosed pulmonary and extra pulmonary tuberculosis from 2021-24 (Guide: Dr. Vibha Uppal)
- Dr. Ashish Tripathi- Fok 1 Gene polymorphism and IPTH level in CKD patients from 2021-24 (Guide: Dr. Shilpa Suneja)
- Dr. Swati- Transforming growth factor beta 1 Gene polymorphism in patients of chronic kidney disease from 2021-24 (Guide: Dr. Surabhi Yadav)

RESEARCH: THESIS (COMPLETED)

- Dr. Shubham Singh- Paraoxonase 1 Q192R polymorphism in patients of chronic kidney disease from 2020-2023 (Guide: Dr. Vandana Saini)
- Dr. Prashant Tripathi- "Association of sperm DNA fragmentation index with semen parameters in infertile couples presenting in tertiary care hospital in Delhi "from 2020-2023 (Guide: Dr. Rajni Dawar)
- Dr. Md. Muntakhab- Transcription factor 712 Single Nucleotide gene Polymorphism in Patients with Type 2 Diabetes Mellitus from 2020-2023 (Guide: Dr. Sukanya Gangopadhyay)
- Dr. Madhuti Chakraborty- Vitamin D receptor gene polymorphism in female breast cancer patients from 2020-2023 (Guide: Dr. Megha Arora)

FUNDED SPECIAL GRANTS/PROJECTS DURING THE YEAR

Dr. Anita Rani Director Professor

Extramural Projects

- Evaluation of maternal and fetal outcomes in women diagnosed with GDM or normoglycemia using IADPSG criteria, among women diagnosed with normoglycemia by DISPSI criteria: Prospective multicentre observational cohort study.
- Assessment of Epidemiological & Biochemical profile of COVID-19 patients admitted in tertiary care hospital / Institute for treatment and management at Delhi.
- Generic protocol for Establishment of National

Hospital based Registry on Venous Thromboembolism at Vardhman Mahavir Medical College & Safdarjung Hospital, (ICMR National Registry on Venous Thromboembolic diseases-i-REGVED)

PUBLICATIONS OF FACULTY/ RESIDENTS

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- Choudhari OK, Spalgais S, Ojha UC, Pal RS, Rani A. A case of Unilateral Vocal Cord Palsy due to Bakelite Exposure. *Indian J Chest Dis Allied Sci.* 2021;63(1):33-6.
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- Tyagi N, Raj A, Sangma NA, Rani A, Kaur C. Paradoxical influence of hygiene over COVID-19 death date. *Int J Res Review.*2021;8(2):546-9.
- Rani A, Bagra P, Suri J, Dawar R. Prevalence of metabolic syndrome and insulin resistance among PCOS women attending tertiary care hospital in north Indian population. *Int JSci.Res.*2021;10(3):35-7.
- Tyagi N, Saxena A, Pandey PK, Rani A, Kaur C. Demythifying the concept of viral fever in context of COVID-19 vaccine. *Intl J Sci Hlthcr Res.*2021;6(1):188-9.
- Saini V, Dawar R, Suneja S, Gangopadhyay S, Kaur C. Can microRNA become next-generation tools in molecular diagnostics and therapeutics? A systematic review. *Egypt J Med Hum Gen.*2021Jan;22;4
- Selvaraj D, Dawar R, Sivakumar PK, Devi A.

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- Dawar R, Choudhari O, Saini V, Gangopadhyay S, Suneja S, Kaushik N, Kaur C. Use of Technology in Phlebotomy: how successful we are? *IJR SR* 2021; 12(6):42060-61.
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- Saxena A, Suneja S, Gangopadhyay S, COVID-19: Immunopathogenesis and symptomatology in elderly. *Journal of Geriatric Care and Research.* 2021;8(1):11-6.
- Goswami R, Gangopadhyay S, Kabi BC. Oestrogen Receptor Alpha, Beta Genes and CYP17A Gene Polymorphism Analysis in Women with Uterine Leiomyoma. *Jour Clin Diag Res.* 2021Mar;15(3): GC01-GC04.
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- Saxena A, Gangopadhyay S, Suneja S. SARS COV-2: exploring the virus of the century. *Int J Res Rev.* 2021;8(8):459-67.

DISTINCTIONS ATTAINED BY STUDENTS/RESIDENTS

- Dr. Snehal S. Sawant (PG) Awarded paper Role of serum ferritin as Prognostic marker in Breast

Cancer patient in 47th National Conference of Association of Clinical Biochemists of India.

SIGNIFICANT ACHIEVEMENTS DURING THE YEAR

- **Academic Services:** The Department of Biochemistry is consistently involved in imparting quality education to the student's taking admission under various courses like M.D. (Biochemistry), MBBS, B.Sc. Nursing and DMLT, including training programs of MRT/MRO, IGNOU students (Nursing), short-term training to the Biotechnology students.
- **Research Work:** The Faculty is also involved in thesis work of various M.D, M.S, DM, M.Ch. and DNB students of the hospital. Mostly the work is focused on molecular and genetic research for which a well-equipped molecular biology lab has been established in the department.

ACHIEVEMENTS OF CLINICAL BIOCHEMISTRY UNIT IN 2021

- **NABL Accreditation of Clinical Biochemistry Unit-** The Clinical Biochemistry Unit ventured towards NABL accreditation of the laboratories as per ISO 15189:2012, so as to get its quality work certified and to ensure trust and rapport with its consumers (patients and clinicians) and providing confidence in diagnosis and treatment. For this mammoth task of accreditation in the category of 'very large laboratory' in a government setup catering to more than 1600 patients per day and more than 4.5 lakh investigations per month; preparations were being done more than one year before submitting the application to NABL. NABL audit of Clinical Biochemistry Unit for all the labs was conducted on 14th & 15th July 2021. The audit was very successful and the department received much accolade. The NABL certificate (MC-4647) was awarded on 27.08.2021. Ours is the first central government biochemistry lab to be NABL accredited in Delhi.
- **Role of Clinical Biochemistry Unit in COVID 19 Pandemic**

There were several new measures taken with respect to the current COVID-19 pandemic in the Clinical Biochemistry Unit. Biochemical tests of COVID-19 samples from suspected and confirmed cases are processed in the Biochemistry Lab, New

Emergency Block. Apart from the routine tests done in emergency lab, several new tests were started for COVID-19 patients namely, Calcium, Phosphorous, Magnesium, LDH, procalcitonin, hsCRP, Lipid Profile so as to facilitate diagnosis and management of COVID-19 patients.

To streamline the working process, additional SOPs were made to handle COVID-19 samples:

- SOP for safety precautions for patients, attendants and visitors to follow during COVID-19 pandemic and processing of COVID-19 samples.
- SOP for disposal of COVID-19 waste as per updated BMW guidelines of Safdarjung Hospital.
- SOP for proper usage and disposal of N95 mask & PPE kits.
- Training for all technical and non-technical staff was conducted.

Role of Clinical Biochemistry Unit in NABH Accreditation of Hospital

The Department has also participated actively in implementing the required documentation and procedures for successful NABH pre-entry level accreditation of the hospital.

- **Initiation of new Biochemical Parameters**
To cope up with advances in patient care,

additional new biochemical tests were started routine biochemistry lab, Clinical Biochemistry Unit like Serum Magnesium, Procalcitonin, hsCRP and various Urinary Parameters like 24 hr Urine Sodium, Potassium, Chloride, Urea, Uric Acid etc.

Expansion of scope of Quality Assurance Programme

The Clinical Biochemistry Laboratory is actively involved in quality control and is participating in EQAS programme conducted by CMC Vellore.

Internal Quality control is also well maintained for all test parameters. New parameters like S Magnesium, S Chloride and S. Amylase were added in the quality assurance programme during this period to expand our horizons in quality care.

Role of Clinical Biochemistry Unit in helping Poisoning Management Unit

The Clinical Biochemistry Unit has started processing samples received from poisoning management unit for ethyl alcohol and cholinesterase measurement since Sept 2021.

Release of 100% printed Reports

In our recent achievement, we are the first lab in the hospital to release 100% printed reports, thus moving steadily towards achieving our quality goal.



Sitting (L to R): Dr. Rajni Dewar, Dr. Amita Yadav, Dr. Charanjeet Kaur, Dr. Anita Rani, Dr. Sukanya Gangopadhyay, Dr. Khageshwar Mahato.
Standing (L to R): Dr. Vandana Saini, Dr. Shilpa Suneja, Dr. Megha Arora, Dr. Surabhi Yadav, Dr. Deepa Halder, Dr. Vibha Uppal, Dr. Nalini Kaushik

Department of Community Medicine

PRELUDE

The Department of Community Medicine at VMMC and Safdarjung Hospital is committed to providing quality education to its undergraduate and post-graduate students and quality care to the community. The Department is catering to the rural populations of Najafgarh and Fatehpur Beri, along with the urban slum residents of Aliganj, KotlaMubarakpur via its three health centers. Along with providing basic health services, research is conducted, not only to facilitate excellence in academics, but also to provide the necessary interventions for the benefit of the community.

Services offered by Department:

Teaching/Training

- Teaching & Training of undergraduate medical students.
- Teaching & Training of Postgraduate Students
- Teaching & Training of nursing students (of Raj Kumari Amrit Kaur, Nursing College, Delhi), MLT students & PGDMCH (Post graduate Diploma in maternal & child Health) students from IGNOU.
- Training of Interns & Externs vTraining of Paramedical staff
- The Department of Community Medicine is a nodal centre for Integrated Disease Surveillance Project (IDSP).
- Coordination of Medical Examination of students at the time of admission.

Services to the Community:

A. PRIMARY HEALTH CENTRE, FATEHPUR BERI
PHC, Fatehpur Beri is located at 20 km from VMMC. It caters to a population of 73,000.

Services provided:

- General OPD Services
- Maternal & Child Health Services
- Age Friendly Clinic
- Non-Communicable Disease (NCD) Clinic
- Eye OPD
- Well Baby Clinics held two days in a week for Nutritional status and growth assessment of under-5 children, counseling of mothers regarding feeding and child care, follow-up of malnourished children.

- ANIMAL BITE CLINIC - Providing assessment of animal bites, provision of first aid, anti-rabies vaccination and TT vaccination to the patients.
- DOTS CENTER -The DOTS centre in the UPHC provides the services of sputum microscopy, distribution of ATT and maintenance of records.
- Dental OPD - Dental OPD is held six days a week.

OUT REACH ACTIVITIES

- Medical camps
- Multiple health camps conducted in collaboration with MCW Centre at Kharak, Chandan Hola, Bhati.

Field visits

- House to house visits in Kharak and Chandan Hola villages for counselling and motivating families showing resistance to immunization of children.
- Population surveys of the villages attached to the PHC.

B. RURAL HEALTH TRAINING CENTRE, NAJAFGARH

Rural Health Training Centre (RHTC), Najafgarh is located at a distance of 35 km. from VMMC and it caters to a population of 1, 60,000.

Services provided:

- Training of Interns & Externs
- OPD services:
- Maternal and child health clinic
- Growth monitoring of under-five children
- Immunization clinic.
- Ante-natal clinic
- Health education and counseling
- School health.
- DOTS Centre: The DOTS centre in the RHTC provides the services of sputum microscopy, distribution of ATT and maintenance of records.

Weekly Yoga sessions:

With help of a local yoga teacher, we started weekly yoga sessions at RHTC, Najafgarh for patients visiting OPDs, keeping in view the idea of holistic health

C. URBAN HEALTH CENTRE, ALIGANJ

The UHTC at Aliganj is operational since February 2012, and is situated 2 kilometres away from Safdarjung Hospital. It caters to a population of

approximately 6500, comprising mainly of migrants.

Services offered:

- General OPD
- Non-Communicable Diseases (NCDs) screening OPD
- NCD clinic
- Family planning services
- Health education and counseling
- Record keeping
- Referral services
- Surveys
- Lab investigations.
- Outreach services for community mobilization during immunization services conducted by Anganwadi workers.

Preventive Health and Screening OPD

The preventive health and screening OPD was commemorated on 2nd September, 2021. It is situated in the first floor of the new OPD block (Room No. 104, 105, 106 & 107). It is operational from 9AM to 4PM on weekdays (Mon – Fri) and till 1PM on Saturdays.

Services Offered:

- Growth Monitoring & Nutrition Clinic
- NCD Screening Clinic
- Maternal Health Clinic
- Relationship & Marriage counselling Clinic
- Occupational & Environmental Health Clinic
- Faculty details- 12 faculty plus one statistician cum lecturer

FACULTY

- Dr. V.P. Gautam, Professor
- Dr. Pratima Gedam, Assistant Professor
- Dr. Anita Khokhar, Director Professor
- Dr. Jugal Kishore, Director Prof. & Head
- Dr. Shveta Lukhmana, Assistant Professor
- Dr. Shallini Smanla, Professor
- Dr. Richa Talwar, Director Professor
- Dr. Poornima Tiwari, Director Professor
- Dr. Anita Verma, Director Professor
- Dr. Geeta Yadav, Professor

NEW ADDITION TO THE FACULTY

- Dr. P.K. Sen, Principal Advisor

FACULTY MEMBERS WHO LEFT THE DEPARTMENT

- Dr. Geeta Pardeshi Professor

DISTINCTIONS ACHIEVED BY THE MEMBERS OF THE FACULTY

AWARDS

Dr. Jugal Kishore

- Most Prestigious Hakeem Ajmal Khan International Award 2021* for the promotion of Unani Medicine is bestowed by All India Unani Tibbi Congress on World Unani Medicine Day 12th Feb 2021.

SEMINARS / CONFERENCES / WORKSHOPS

/CMEs HELD IN THE DEPARTMENT

- Communication Skill & Stress Management Workshop 01.01.2021
- Organized Public Health Lecture in view of Swachhta Pakhwada (being observed from 01.04.21 to 15.04.21) in Safdarjung Hospital.12.04.21
- Communication Skill & Stress Management Workshop for Interns 22.07.21
- Communication Skill & Stress Management Workshop for Interns 01.09.21
- Organized Seminar on "Independent India @ 75: Self Reliance with Integrity" during Vigilance Awareness Week 2021 29.10.21
- Communication Skill & Stress Management Workshop for Interns 01.11.21

SEMINARS / CONFERENCES / WORKSHOPS/ CMEs ATTENDED BY THE FACULTY

Dr. Jugal Kishore

- Seminar on Independent India @ 75: Self Reliance with Integrity during the Vigilance Week celebration in VMMC & SJH. 29.10.21
- 11th National Conference on One Health Initiative on Prevention of Emerging and Re-emerging Zoonotic Diseases to be held on Zoom organized by Millennium India Education Foundation and Department of Community medicine, VMMC & SJH and Community Medicine, Seth G.S. Medical College & KEM Hospital Mumbai and Heart Care Foundation of India. 06.07.21
- Revised Basic Course Workshop (rBCW) in Medical Education Technologies for faculty of VMMC & SJH 3-5 August 2021
- First Health Professionals for executive

program in Public Health Policy, Leadership and Management offered by School of Public Health at AIIMS, Jodhpur 07.08.21 to 11.08.21

- Revised Basic Course Workshop (rBCW) in Medical Education Technologies for faculty of VMMC & SJH. 24-26 August 2021
- Three days Online Training Program on "Covid -Biodisaster: Preparedness, Response & Resilience of Occupational Settings" organized by Association of Occupational & Environmental health in collaboration with CDC India and NIDM. 27-29 May 2021.

Dr. Anita Khokhar

- MOHFW, ECHO conference, Speaker Overview of cancers in India, 2021
- Attended Training workshop on early detection of breast cancer for school teachers of MCD primary school, Aliganj, Delhi
- Attended Training workshop on early detection of breast cancer for school teachers of RBSSKY, INA, Delhi
- Attended Training workshop on early detection of breast cancer for school teachers of NAVODAY SCHOOL, Delhi
- Attended Training workshop on early detection of breast cancer for school teachers of KV, INA,

Dr. Richa Kapoor

- Revised Basic Course Workshop (rBCW) in Medical Education Technologies for faculty of VMMC & SJH, 3-5 August 2021
- Revised Basic Course Workshop (rBCW) in Medical Education Technologies for faculty of VMMC & SJH. 24-26 August 2021
- Workshop on Electives in Medical Education Technologies for faculty of VMMC & SJH Dec 2021

Dr. Geeta Yadav

- Attended first Health Professionals for executive program in Public Health Policy, Leadership and Management offered by School of Public Health (SPH) at AIIMS, Jodhpur 07.08.21 to 11.08.21

RESEARCH: THESIS (ONGOING)

- Dr. Neha Yadav, A Study On Prevalence of Occupational Stress And Coping Strategies Among Police Personnel In Delhi (Guide-Dr. Geeta Yadav)

- Dr. Chirag Sandooja, A Cross Sectional Study on The Prevalence Of Insomnia And Associated Factors In The Elderly Population Of Delhi (Guide- Dr. Jugal Kishore)
- Dr. Vignitha B, A Community Based Study Reproductive Empowerment Of Women Aged 15-49 Years In A Rural Area Of Delhi (Guide- Dr. Shalini Smanla)
- Dr. MohdAlam, A Community Based Study Of Treatment Compliance And Health Seeking Behaviour Among Diabetes Mellitus Type 2 Patients In A Rural Area Of Delhi (Guide-Dr. Richa Kapoor)
- Dr. Sunom M. Lepcha, Prevalence of Risk Factors For Breast Cancer Among Women Aged More Than 30 Years In Rural Delhi (Guide- Dr. Anita Khokhar)
- Dr. Ravindra Nath, A Cross Sectional Study To Assess The Satisfaction Among Tuberculosis Patients Undergoing Treatment At Dots Centres Of A Selected Tuberculosis Unit (Tbu) In South Delhi (Guide- Dr. Poornima Tiwari)
- Dr. Siddharth Sekhri, Study Of Prevalence Of Depression Among Patients Attending Non-Communicable Diseases Clinic In A Rural Area Of Delhi (Guide-Dr. Anita Verma)

RESEARCH: THESIS (COMPLETED)

- Dr. Suraj P. Singh (MD)- Out-of-pocket Expenditure on Healthcare and the Protective Mechanisms against it amongst Households in an Urban Village in Delhi, (Guide- Dr. Anita Khokhar)
- Dr. Aritrik Das (MD)-A Cross-Sectional Study Of Noise And Its Non-Auditory Effects Among Staff At A Tertiary Care Hospital In New Delhi, (Guide-Dr. Jugal Kishore).
- Dr. Yukti Bhandari (MD)-A Cross-Sectional Study On Prevalence And Patterns Of Tobacco Use And Knowledge Of Its Harmful Effects In An Urbanised Village, Delhi, , (Guide- Dr. Jugal Kishore).
- Dr. Mohit Goyal (MD)- Prevalence of health risk behaviors and associated factors amongst undergraduate college students of Delhi, (Guide -Dr. Anita Verma)
- Dr. Thilagar M (MD)- Burden of Overweight And Obesity Among Secondary And Senior Secondary Students Of New Delhi Municipal Council Schools, (Guide- Dr. Poornima Tiwari).
- Dr. Deepak Yadav (MD)- Knowledge And Practice Of Private Practitioners Regarding Diagnosis And Treatment Of Pulmonary Tuberculosis In An Urban Area Of Delhi: A Cross Sectional Study, (Guide- Dr. Geeta Yadav)
- Dr. Prateek Goyal (MD)- A cross sectional study of Internet Addiction and its association with Quality of Life among College students of South Delhi, (Guide- Dr. Richa Kapoor)

FUNDED SPECIAL GRANTS/PROJECTS DURING THE YEAR ONGOING

Jugal Kishore

- Task force study for evaluation of community level acceptability, scalability and linkage within health system of ICMR pre-validated Labike technologies for screening & diagnosis in vulnerable remote, rural & urban population—An implementation research” Chikitsa- Chiktsak Appke Dwar– funded by ICMR (3 crores) for 2 years.
- Application of Geotagging in identification of Hotspots and real time monitoring of Non-communicable Diseases (NCDs) under Ayushman Bharat” ICMR Sanctioned project 2021 for 49 lakhs
- PEP++ Stop Leprosy Transmission. Multicentric study of NLR, Netherland 2017-2022. NLR India
- Health & Nutrition status of migrant Tribal in Delhi. ICMR Project 2019-2021 funded by ICMR for 40 lakhs
- ICMR National Taskforce on Operation Research on COVID - Mental Health and Social Stigma among Healthcare Personnel involved in the management of Covid-19 Patients in India funded by ICMR for 5 lakhs

Dr Geeta Yadav

- Capacity Building for undertaking the * Phase III, randomized, double-blind placebo controlled trial to evaluate the efficacy and safety of VPM1002 and Mw (MIP) vaccines in preventing TB in healthy household contacts of new pulmonary TB patients ICMR funded for One year (20 lakhs)

PUBLICATIONS OF FACULTY/ RESIDENTS

- Kumari A, Malik S, Kishore J. Assessment of physical and sexual quality of life in women undergoing planned hysterectomy in tertiary care hospital. *Intl J Reprod Contr Obs Gyne.* 2021;10(6):2448-52.
- Nazli T, Kishore J, Raheem A, Ansari IA, Ghai AS, Heena. Clinico-epidemiological Profile and Social Stigma in Hospitalised RT-PCR Confirmed COVID-19 Cases with and without comorbidity. *Epidem Int.*2021;6(1):1-8
- Aravind Gandhi P, Venkatesh U, Tiwari P, Kishore J. An initiative to improve nutritional education among medical students. *Med J Armed Forces India.* 2021 Feb;77(Suppl 1):S190-S194.
- Bharti A, Kapoor R, Maheshwari S, Rathi Y, Sharma V, Mogan K, et al. Sleep pattern and perceived stress among Undergraduate students of a medical college in Delhi. *IAR J Med Sci.* 2021 Mar;2(2);28-33.
- Aravind Gandhi P, Venkatesh U, Tiwari P, Kishore J. An initiative to improve nutritional education among medical students. *Med J Armed Forces India.* 2021 Feb;77(Suppl1): S190-S194.
- Doley P, Yadav G, Gupta M, Muralidhar S. Knowledge, health seeking behavior and barriers for treatment of reproductive tract infections among married women of reproductive age in Delhi . *Int J Comm Med Pub Health.*2021;2:591-6.
- Malhotra A, Siwach I, Yadav G. Knowledge and attitude for information gathering practices related to COVID-19: a cross sectional study amongst healthcare workers in New Delhi. *Int J Comm Med Pub Health.*2021;2: 4392-4401
- Ghai G, Gedam P, Kishore J.COVID-19, Equity and Fair Priority Vaccination, *Int. J. Preven. Curat. Comm. Med.* 2021;7(1);1-3.
- TMGH-Global COVID-19 Collaborative. Psychological Impacts and Post-Traumatic Stress Disorder among People under COVID-19 Quarantine and Isolation: A Global Survey. *Int. J. Environ. Res. Pub Health* 2021;18:5719.
- Huy NT, Nguyen Tran MD, Mohammed Alhady ST, Luu MN, Hassan AK, Giang TV, et al. Perceived stress of quarantine and isolation during COVID-19 pandemic: A Global Survey Running head: COVID-19 perceived stress of quarantine and isolation. *Frontiers in Psychiatry.*2021;12:651.
- Sharma A, Venkatesh U, Dong V, Raut A, Tawfik GM, Ng SJ, et al. Universal checklist for COVID -19 control measures: consensus via a Delphi method. *Clin Med (Lond).* 2021;21(2);25-6.
- Kishore J, Venkatesh U, Ghai G, Heena, Kumar P. Perception and attitude towards COVID-19 Vaccination: a preliminary online survey from India. *J Family Med Prim Care.* 2021 Aug; 10(8): 3116–21.
- Aravind Gandhi P, Venkatesh U, Tiwari P, Kishore J. An initiative to improve nutritional education among medical students. *Med J Armed Forces India.* 2021 Feb;77(Suppl 1):S190-S194.

BOOK CHAPTERS

Dr. Jugal Kishore

- RC Jiloha, Kishore J. COVID -19: epidemiological and Mental Health Challenges. New Delhi. Century Publications. 2021
- J Kishore, Gedam P. Question Bank Community Medicine. 2nd Ed. New Delhi. Century Publications 2021.

• ANY SIGNIFICANT FACILITY CREATED IN THE CURRENT YEAR

The preventive health and screening OPD was commemorated on 2nd September, 2021. It is situated in the first floor of the new OPD block (Room No. 104, 105, 106 & 107). It is operational from 9AM to 4PM on weekdays (Mon – Fri) and till 1PM on Saturdays.

SOCIAL/PUBLIC SERVICE DONE BY THE DEPARTMENT

Training programme on sexual harassment was conducted by Department of Community Medicine on 22.03.21 at 2:30 PM in LT-3, VMMC building.

Three Health Centres and One OPD are attached with Department of Community Medicine:



***Sitting (L to R): Dr. V.P. Gautam, Dr. Richa Kapoor, Dr. Jugal Kishore, Dr. Anita Khokhar,
Dr. Poomima Tiwari, Dr. Anita Verma
Standing (L to R): Dr. Pratima Gedam, Dr. Namita Shrivastava, Dr. Shalini Smnala,
Dr. Geeta Yadav, Dr. Shweta Lukhmana***

Department of Forensic Medicine & Toxicology

PRELUDE

The Department of Forensic Medicine & Toxicology, VMMC & Safdarjung Hospital is having mortuary facilities with cold storage to preserve 100 dead bodies.

Medico-legal postmortem:

The Department is responsible for conducting postmortem examination of all medico-legal cases who expire within the Police jurisdiction of South-West district. In addition to this Postmortem are also conducting of all the admitted Medico-legal cases from other districts and Medico-legal cases coming from outside Delhi.

New Services:

- **GYNAE FORENSIC UNIT-**
Started Gynae Forensic Unit with Gynae department for antemortem medico-legal work.
- **FORENSIC RADIOLOGY-**
Started posting of residents in Casualty and Radiology to develop the sub-specialty of Forensic Radiology.

FACULTY

- **Dr. Mohit Gupta**, Professor
- **Dr. G. V. Jain**, Professor
- **Dr. G. V. Jain**, Professor
- **Dr. Sanjay Kumar**, Professor
- **Dr. Manish Kumath**, Professor
- **Dr. Anil Kumar Mittal**, Director Professor
- **Dr. Monisha Pradhan**, Professor
- **Dr. G. A. Sunil Kumar Sharma**, Director Professor
- **Dr. S. K. Tandon**, Consultant, Professor & Head
- **Dr. M. K. Wahi**, Director Professor

NEW ADDITION TO THE FACULTY

- **Dr. Monisha Pradhan**, Professor

ASSIGNMENT IN ACADEMIC ASSOCIATIONS:

- **Dr. Manish Kumath**, Indian Academy of Forensic Medicine Joint Secretary (Central Zone) 2019-2022

DISTINCTIONS ACHIEVED BY THE MEMBERS OF THE FACULTY

AWARDS

- **Dr. Sanjay Kumar-** Certificate of Recommendation of distinguished services as Jury for scientific sessions in the 17th Annual International Conference of South India Medico-legal Association (SIMLA 2021) organized by AIIMS, Bibinagar, along with the memento. 05/10/21-06/10/21
- **Dr. Manish Kumath-** Awarded for outstanding contribution to Kayakalp Scheme in 2017-2018 & 2018-2019 by the MS & OIC Kayakalp scheme 02/11/2021 Awarded an appreciation for outstanding services to the hospital. 15/08/2021
- **Dr. G.A. Sunil Kumar Sharma-** Awarded an appreciation for outstanding services to the hospital. 15/08/2021

SEMINARS / CONFERENCES / WORKSHOPS /CMEs HELD IN THE DEPARTMENT.

National Level virtual Panel Discussion on "Examination of Sexual Assault Survivor- Role of Forensic Medicine" 29th October 2021

SEMINARS / CONFERENCES / WORKSHOPS/ CMEs ATTENDED BY THE FACULTY

Dr. Mohit Gupta

- 15th Annual National Conference of Indian Society of Toxicology TOXOCON-15. Madurai, Tamil Nadu 10/12/2021 TO 12/12/2021
- CME- Assault on Healthcare Workers: Ways to Overcome. Organized by Department of Forensic Medicine & Toxicology, AIIMS, Bibinagar, Hyderabad 01/07/2021
- CME (Online)- "Pathogenesis in COVID — 19 fatalities: under the lens of Forensic Medicine organized by Pondicherry Institute of Medical Sciences 03/09/2021
- CME- Toxicology and Radiology: An update in Current Medical Education organized by Kasturba Medical College, Manipal 15/09/2021

Dr. Sanjay Kumar

- Attended National Virtual CME on DNA Fingerprinting: Past, Present & Future, organized

by the Department of Forensic Medicine & Toxicology, AIIMS, Bhatinda, Punjab 12/06/2021

- FORENSIC COVIDCON 2021, 18th Conference of Indian Congress of Forensic Medicine & Toxicology (I.C.F.M.T) & 5th Conference of Society for Prevention of Injuries & Corporal Punishment (S.P.I.C.), Organized by Department of Forensic Medicine & Department of General Medicine Pandit Jawahar Lal Nehru Govt. Medical College & Hospital Chamba (H.P), 25/09/2021
- SIMLA 2021, the 17th Annual International virtual Conference of South India Medico-Legal Association (SIMLA 2021), organized by DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY. All India Institute of Medical Sciences, Bibinagar, Hyderabad. 05/10/2021 TO 06/10/2021

Dr. Manish Kumath

- FORENSIC MEDICON 2021– IAFM Cuttack. 42nd Annual National Conference of Indian Academy of Forensic Medicine, at SCB Medical College and Hospital, Cuttack, Orissa 23/01/2021 TO 24/01/2021

Dr. Anil Kumar Mittal

- FORENSIC MEDICON 2021– IAFM Cuttack. 42nd Annual National Conference of Indian Academy of Forensic Medicine: Forensic Medicon 2021. Cuttack (Virtual). 23/01/2021 TO 24/01/2021
- Training Programme on Critical Thinking & Problem-Solving Techniques" (online) at ISTM Online 25/10/2021 TO 26/10/2021

Dr. Monisha Pradhan

- 43rd Annual AOGD Conference, Pre-conference workshop to deliver a session on "Medicolegal Concerns in Obstetrics & Gynecology at VMMC & SJH, New Delhi 14/11/2021

Dr. G. A. Sunil K. Sharma

- FORENSIC MEDICON 2021– IAFM Cuttack. 42nd Annual National Conference of Indian Academy of Forensic Medicine: Forensic Medicon 2021. Cuttack (Virtual). 23/01/2021 TO 24/01/2021

Dr. S. K. Tandon

- FORENSIC MEDICON 2021– IAFM Cuttack. 42nd Annual National Conference of Indian Academy of Forensic Medicine: Forensic Medicon 2021. Cuttack (Virtual). 23/01/2021 TO 24/01/2021

RESEARCH: THESIS (ONGOING)

- Dr. Surya Kiran Panga-Autopsy and radiological study on sternum to determine sex stature and age 2019-2022 (Guide-Dr. M. K. Wahi).
- Dr. Dibya Sharma-Autopsy study to determine histopathological changes in heart due to electrical injuries 2019-2022 Guide-Dr. G.A. Sunil Kumar Sharma).
- Dr. Lakhan Navlani Autopsy study to determine histopathological changes in human pituitary gland in cases of traumatic brain injury 2019-2022 (Guide Dr. Mohit Gupta).
- Dr. Abhimanyu Khutell Sex determination and estimation of stature using foot dimensions in north Indian population 2019-2022 (Guide-Dr. Manish Kumath).
- Dr. Munesh Kumar Histopathological changes in medico-legal autopsy cases to determine cause of sudden death in young adults 2020-2023 (Guide- Dr. S. K. Tandon).

PUBLICATIONS OF FACULTY/RESIDENTS

- Kulshrestha V, Kumar M, Sharma GASK, Tandon S, Aggarwal M, Zaheer S. Metastatic squamous cell carcinoma to the heart- a case report. *Int J Cur Adv Res.* 2021 Jun;10(06):24538-40.
- Kulshrestha V, Anand A, Sharma D, Panga SK, Sharma GASK, Tandon S. Study of custodial deaths in Safdarjung hospital, New Delhi - an autopsy based retrospective study. *Int J Cur Adv Res* 2021 May;10(05):24402-05.
- Anand A, Panga SK, Kulshrestha V, Ashraf L, Sharma D, Sharma GASK. Autopsy findings and duration of survival in suicidal hanging deaths in Delhi- a retrospective study. *Int J Cur Adv Res* 2021 Aug;10(08):24996-99.
- Anand A, Gupta M, Kumath M, Kumar S. Spontaneous rupture of splenic artery aneurysm in pregnancy: an autopsy-based case report. *Int J Reprod Contra ObsGynaec.* 2021 Apr;10(4):1739-41.

- Dash S, Kumar P, Vamseedhara M, Kumath M, Sharma S. Study of clinical pattern of limb loss in electrical burn injuries. *INJURY Intl J care of injured.* 2021 July;52(7):1925-33.
- Abhishek Yadav A, Vignesh Raj K, Singh S, Kumath M. Atypical Firearm Wounds, One Projectile Leading to Multiple Injuries: Correct Interpretation and Correlation. *J Forensic Chemistry Toxicol.* 2021;7(1):29–31.
- Anand A, Kumar M, Navlani L, Gupta M, Sharma GA, Kumath M. Inquest by Sub-Divisional Magistrate- Demographic pattern of deaths of women within seven years of their marriages in Delhi and NCR. *J Punjab Acad Forensic Med Toxicol.* 2021;21(2):7-10
- Monisha Pradhan, B C Koner. Postmortem Serum Levels of Beta Tryptase and Total IgE in Non-Anaphylactic Deaths". *J Forensic Med Toxicol.* 2021;38;45-50.
- Gupta M, Dangra K. Delay in receipt of Forensic Viscera Analysis Report – Scenario and Recommendations. *Intl J forensic toxicol legal med.* 2021;24 (1&2):106-9.
- Kumar S, Anand A, Sharma M, Navlani LL, Sharma D, Sharma GA Sunil K. Homicidal Deaths in South-West Delhi and NCR: A Retrospective Study. *Intl J Med Toxicol Legal Med.* 2021;24(1&2);148-53

GUEST LECTURES DELIVERED BY THE FACULTY.

Dr. Manish Kumath

- Lecture on "Role of Forensics in Custodial Death" (at 10:00 am to 10:55am) at National Human Rights Commission 24/02/2021

Dr. Monisha Pradhan

- Guest Speaker in online Panel Discussion on the topic "PG Connect: Guide to your Future" organized by Gurukool, MAMC, Delhi 10/10/2021-Guest Speaker in 43rd Annual AOGD Conference, pre-conference workshop on "Medicolegal Concerns in Obstetrics & Gynaecology". 14/11/2021

EXTERNAL ASSIGNMENTS OF SIGNIFICANCE

Dr. G.A. Sunil Kumar Sharma, Faculty for National Board of Examination

Dr. Monisha Pradhan, Faculty for National Board of



Sitting (L to R): Dr Gaurav Vinod Jain, Dr Sarvesh Tandon, Dr Anil Kumar Mittal
Standing (L to R): Dr Mohit Gupta, Dr M K Wahi, Dr Manish Kumath, Dr G A Sunil Kumar Sharma,
Dr Monisha Pradhan, Dr Sanjay Kumar

Department of Microbiology

PRELUDE

The Department of Microbiology offers a host of patient care services related to Bacteriology including anaerobic, Mycology, Mycobacteriology, Parasitology, Serology and Virology. The department also runs a 24x7 NEB (new emergency block) laboratory and COVID laboratory. The department is committed to reducing the infection rate by conducting annual point prevalence surveillance, laboratory-based surveillance of pathogens and their antimicrobial resistance patterns, guides clinicians on empirical antibiotic therapy, conducts targeted surveillance for device related infections and carries out testing of water samples, environmental samples and screening of health care workers. The Department is involved in teaching various courses like MBBS, MD Microbiology, PhD, BSc MLT, BSc Nursing and PTT Students. The Department offers an excellent opportunity to conduct research in microbiology, immunology, genetics and molecular biology and consists of a vibrant community of faculty, researchers and students. Committed to minimizing

the nosocomial infection rates, the department lays down safety standards and enunciates the hospital antibiotic use policy

FACULTY

- **Dr. Balvinder Singh Arora**, Director Professor
- **Dr. Sudhir Kumar Bagdi**, SAG Officer
- **Dr. Malini R. Capoor**, Sr. Specialist & Professor
- **Dr. Vikramjeet Dutta**, Associate Professor
- **Dr. Rajni Gaiind**, Consultant, Professor and HOD
- **Dr. Anuja Gupta**, Assistant Professor (Contract)
- **Dr. Shilpee Kumar**, Professor
- **Dr. Subhradeep Majumder**, Assistant Professor (Contract)
- **Dr. Monika Matiani**, Associate Professor
- **Dr. Deepthi Nair**, Consultant & Professor
- **Dr. Santhosh Rajan**, Assistant Professor (Contract)
- **Dr. Dabet Rynga**, Associate Professor
- **Dr. Rushika Saksena**, Specialist Gr.II
- **Dr. Bhawna Sharma**, Associate Professor

- **Dr. B L Sherwal**, Director Professor and Medical Superintendent
- **Dr. Gopi Tamilarasan**, Associate Professor
- **Dr. Shiva Verma**, Assistant Professor (Contract)
- **Dr. Pallavi**, Assistant Professor (Contract)

NEW ADDITION TO THE FACULTY

- **Dr. B L Sherwal**, Director Professor
- **Dr. Anuja Gupta**, Assistant Professor (Contract)
- **Dr. Santhosh Rajan**, Assistant Professor (Contract)

FACULTY MEMBERS WHO LEFT THE DEPARTMENT

- **Dr. Vinita Dogra**, Consultant (contract)
- **Dr. Manisha Jain**, Associate Professor
- **Dr. Dimple Kasana**, Consultant
- **Dr. B L Sherwal**, Director Professor

APPOINTMENT OF FACULTY TO HIGHER POSTS / ASSIGNMENT OUT SIDE PROMOTIONS

- **Dr. B L Sherwal**, Medical Superintendent, Dr RML Hospital
- **Dr. Dimple Kasana**, Director, Centre of Research Institute, Kausauli

ASSIGNMENT IN ACADEMIC ASSOCIATIONS:

- **Dr. Rajni Gaind**, Editor of Journal of Infectious Diseases, Till date
- **Dr. Rajni Gaind**, Selection Committee for effecting regularization and up gradation process of faculty positions in the Department of Microbiology (HIMSAR), 15.12.2021
- **Dr. Rajni Gaind**, Laboratory Expert Group Committee for strengthening of the laboratories under Division of Zoonotic Disease Programme under Ministry of Health and Family Welfare
- **Dr Rajni Gaind**, Member of patient safety committee under Ministry of Health and Family Welfare

DISTINCTIONS ACHIEVED BY THE MEMBERS OF THE FACULTY AWARDS

- **Dr. Malini R Capoor**, (BMWM): Excellent work during 2021 on BMWM by Med Suptd, VMMC and SJH, 15 Aug 2021 and Kayakalp core committee member (for BMWM) and Kayakalp award to VMMC and SJH under MS 2020-2021
- **Dr Rajni Gaind**, Officer Incharge Infection control: Award for outstanding contribution to Kayakalp scheme 2020-2021 for Hospital Infection Control and For Outstanding Contribution for Entry level NABH certification of Safdarjung Hospital 2021

SEMINARS / CONFERENCES / WORKSHOPS /CMEs HELD IN THE DEPARTMENT.

- World Antibiotic Awareness Week, 2021 from 18th-24th November 2021

SEMINARS / CONFERENCES / WORKSHOPS/CMEs ATTENDED BY THE FACULTY

Dr. Dabet Rynga

- CIDSCON Webinar on COVID Vaccines, 22nd January 2021
- Virtual MICRO-D-CON 12th Annual Conference of IAMM Delhi Chapter, 28th to 30th January 2021
- Training & Review Workshop of the NAC-NET Sites, September 29-30, 2021
- Revised Basic Course Workshop in Medical Education Technology at VMMC & Safdarjung Hospital, 3rd to 5th August 2021
- Completed Training on Quality Management System and Internal Audit in Medical Labs as per ISO 15189:2012, 1st to 4th July 2021

Dr. Bhawna Sharma

- Cell Culture in Viral Diagnostic (Online), 21st December 2021
- Virtual MICRO-D-CON 12th Annual Conference of IAMM Delhi Chapter, 28th to 30th January 2021
- Revised Basic Course Workshop in Medical Education Technology at VMMC & Safdarjung Hospital, 30th March to 1st April 2021

Dr. Shiva Verma

- CME on "Advances & Automatin in Laboratory" organized by Sanjay Gandhi Memorial Hospital, 19th March 2021

Dr. Rajni Gaind and Dr. Rushika Saksena

- Revised Basic Course Workshop in Medical Education Technology at VMMC & Safdarjung Hospital, 30th March to 1st April 2021

Dr. Monika Matlani

- Revised Basic Course Workshop in Medical Education Technology at VMMC & Safdarjung Hospital, 3rd to 5th August 2021

Dr Vikramjeet Dutta

- Revised Basic Course Workshop in Medical Education Technology at VMMC & Safdarjung Hospital, 24th to 26th August 2021

RESEARCH: THESIS (COMPLETED)

- Dr. Ruma Das (MD)- Phenotypic and Genotypic characteristics among Group B *Streptococcus* causing invasive disease and colonization in neonates and adults in a tertiary care hospital, 2019-2022, (Guide- Dr. Rajni Gaiind)
- Dr. P. Lavanya (MD)- Detection of Rifampicin Resistance in Extrapulmonary Tuberculosis Isolates using Various Microbiological Techniques, 2019-2022, (Guide- Dr. Deepthi Nair)
- Dr. Mohan Vashistha (MD)-Disease Spectrum, Aetiology and Immunology of Fungal Rhinosinusitis in Adult Patients in A Tertiary Care Hospital, 2019-2022, (Guide-Dr. Malini R Capoor)
- Dr. Sheetal Goenka (MD)- Microbiological Profile of Spontaneous Bacterial Peritonitis in Chronic Liver Disease, 2019-2022, (Guide- Dr. Dimple Kasana)
- Dr. MadhviKirti (MD)- Clinico-Syndromic Validation of Aetiological Diagnosis of Genital Discharge Diseases in Patients Attending Sexually Transmitted Infections Clinics, 2019 -2022, (Guide- Dr. Sumathi Muralidhar)
- Shakila Banu Inayath (PhD)- Evaluation of Different Fluoroquinolone Resistance in Salmonella Enteric Serovars Typhi and Paratyphi A., 2014-2021, (Guide- Dr. Rajni Gaiind)

RESEARCH: THESIS (ONGOING)

- Dr. Anusha Bhatnagar (MD)- Evaluation of performance of direct disk diffusion test from positively flagged blood culture bottles for select gram-positive and gram-negative organisms, 2021-2023, (Guide- Dr. Rajni Gaiind)
- Dr. Belinda Jothi (MD)- Seroprevalence, serological and virological profile of Hepatitis B virus infection in pregnant women attending antenatal clinic of a tertiary care hospital, 2021 -2023, (Guide- Dr. Shilpee Kumar)
- Dr. Sutapa Das (MD)- Diagnostic utility of Galactomannan enzyme immunoassay in invasive aspergillosis in paediatric patients with haematological malignancy, 2021-2023, (Guide- Malini R. Capoor)
- Dr. Dipika Tyagi (MD)- Study of antimicrobial

susceptibility pattern of bacterial isolates from pleural fluid samples of adults at a tertiary care teaching hospital, 2021-2023, (Guide- Dr. Monika Matlani)

- Dr. Kamlesh Kirar (MD)-Evaluation of the role of TrueNat assay in the rapid diagnosis of tuberculosis, 2021-2023, (Guide-Dr. Deepthi Nair)
- Amit Sharma (PhD)-Development and Standardization Of Lamp (Loop Mediated Isothermal Amplification) Assay For Early Detection Of *Acinetobacter Baumannii* In Patients With Sepsis, 2016-2022, (Guide- Dr. Rajni Gaiind)
- Kavita Sisodia (PhD)- Molecular Epidemiology of Methicillin Resistant *Staphylococcus aureus* (MRSA) Isolates from Health Care Workers and Patients with Hospital Acquired and Community Acquired Infections, Registered in 2019, (Guide- Dr. Rajni Gaiind)
- Dr. Rajni Gaiind- Vandana Rani (PhD)-To Study the Prevalence, Phylogeny and Virulence of Linezolid Resistant *Enterococcus Faecium* In Hospital Acquired Infections and Environment, Registered in 2018, (Guide- Dr. Rajni Gaiind)

FUNDED SPECIAL GRANTS/PROJECTS DURING THE YEAR ON GOING

- Sepsis related mortality among neonates in India:A multi-disciplinary, multi-institutional research program for context specific solution, 2021-2025 (DBT). Grant approximately 8 lacs. PI- Dr. Rajni Gaiind
- "To study the Prevalence, Phylogeny and Virulence of Linezolid Resistant *Enterococcus faecium* in Hospital acquired infections and Environment", 2021-2024 (ICMR). Grant approximately 53 Lacs. PI- Dr. Rajni Gaiind; Co -PI- Dr. Rushika Saksena.
- National programme on containment of antimicrobial resistance during 12th five year plan (2012 - ongoing) (Funded by MOHFW). Grant approximately 14 lacs. PI- Dr. Rajni Gaiind; Co -PI- Dr Dabet, Dr Rushika Saksena
- "Phase III, Multicentre, Randomized, Double -Blind, Placebo-Controlled study to Evaluate Efficacy of Probiotic Supplementation for

Prevention of Neonatal Sepsis in 0-2 months old Low Birth Weight Infants in India", 2020 -2023(ICMR-URI MRC JGHTP). Grant approximately INR 33.44.853/

COMPLETED

- Functionality of B-cells in Dengue and chikungunya co-infection, 2019-2021 (DST). Grant approximately 18 lakh PI- Dr. Rajni Gaiind

PUBLICATIONS OF FACULTY/ RESIDENTS

- Capoor MR, Parida A. Biomedical waste and solid waste management in the time of COVID-19: A comprehensive review of national and international guidelines. 2021, J Lab Phy, 2021; 13:175-182
- Capoor MR, Parida A. Current perspectives of biomedical waste management in context of COVID -19. Indian J Med Microbiol 2021; 39 (2),171-178
- Gandhi A, Narula A, Chandra S, et al. Battling the Emerging Epidemic of Rhino-Orbital-Cerebral Mucormycosis (ROCM) in COVID-19 Pandemic: A Prospective Interventional Study. Research Square; 2021.
- Azam M, Gaiind R, Yadav G, Sharma A, Upmanyu K, Jain M, Singh R. Colistin Resistance Among Multiple Sequence Types of *Klebsiella pneumoniae* is Associated with Diverse Resistance Mechanisms: A Report from India. Front Microbiol. 2021; 22:12:609840.
- Elliyas S, Gaiind R, Kanwal SK, Singh S, Arya S. Bacterial Colonization of Vagina in Indian Women During Labor and Its Association with Puerperal and Neonatal Sepsis: A Tertiary Hospital Study. Cureus. 2021;13(3): e13943.
- Raju AT, Das R, Rai N, Kumar A, Gaiind R. A Prospective Study on Respiratory Viral Pathogens Causing Acute Lower Respiratory Tract Infections in Children below Five Years of Age at a Tertiary Care Hospital of India. J Clin of Diagn Res.2021;15(5):DC12-16.
- Sharma A, Gaiind R. Development of Loop-Mediated Isothermal Amplification Assay for Detection of Clinically Significant Members of *Acinetobacter calcoaceticus-baumannii* Complex and Associated Carbapenem Resistance. Front

Mol Biosci. 2021;23;8:659256.

- Inayath SB, Broor S, Gupta R, Agarwal P, Majumder S, Anveshi AK, Gaiind R. Validation of Pefloxacin for detection of fluoroquinolone (FQ) resistance among *Salmonella Typhi* with special reference to GyrB mutations. J Med Microbiol. 2021;70(8).
- Sinha AP, Gupta SS, Poluru R, Raut AV, Arora NK, Pandey RM et al. Evaluating the efficacy of a multistrain probiotic supplementation for prevention of neonatal sepsis in 0-2-month-old low birth weight infants in India-the "ProSPoNS" Study protocol for a phase III, multicentric, randomized, double-blind, placebo-controlled trial. Trials. 2021;22(1):242.
- Katoch O, Katyal S, Srivastav S, Rodrigues C, Rupali P, Chakrabarti A et al. Self-reported survey on infection prevention and control structures in healthcare facilities part of a national level healthcare associated infection surveillance network in India, 2019. Am J Infect Control. 2021 Sep 30: S0196-6553(21)00619-2.
- Krishnasamy S, Mantan M, Mishra K, Kapoor K, Brijwal M, Kumar M et al. SARS-CoV-2 infection in children with chronic kidney disease. Pediatr Nephrol. 2021 Sep 14:1-9.
- Mahesh S, Broor S, Gupta R, Agarwal P, Majumder S, Anveshi A, Gaiind R. Validation of Pefloxacin for detection of fluoroquinolone (FQ) resistance among *Salmonella Typhi* with special reference to GyrB mutations. J of Med Microbiol. 2021;70.
- Chaudhry S, Arya A, Matlani M, Singh V, Meena SS. Pancytopenia with hemophagocytic lymphohistiocytosis in *Plasmodium falciparum*: A unusual presentation. Trop Parasitol. 2021; 11:46 -8.
- Matlani M, Kumar P, Meena S S, Vasishta M, Dogra V. Etiological trends and epidemiological profile of tropical fever in children presenting with acute undifferentiated fever at a Tertiary Care Centre in North India J. Nepal Paediatr Soc. 2021; 41(1): 55-61
- Goenka S, Singhal A, Matlani M, Kasana D. Cerebrospinal fluid as an alternative tool to blood

c-reactive protein in laboratory diagnosis of bacterial meningitis in children: a comparative analysis. *International Journal of Contemporary Medical Research* 2021;8(3):C1-C5

- Meena S S, Arya S, Meena D, Matlani M, Salhan M. Neonatal Chikungunya: A case series. *Trop Doct.* 2021 Jan;51(1):103-5.
- Matlani M, Amit Kumar, Singh V. Assessing the in vitro sensitivity with associated drug resistance polymorphisms in *Plasmodium vivax* clinical isolates from Delhi, India. *Experimental Parasitology.* 2021;220:108047, ISSN 0014-4894
- Kashyap S, Pongiyannan L, Kumar S. Enteric Transmitted Hepatitis Viruses in Delhi: Experience from a Tertiary Care Hospital. *MAMC J Med Sci.* 2021;7:39-42.

Poster presentation

- Dr Dabet Rynga and Dr Rajni Gaind. "Study on the Clinical Spectrum and Antimicrobial Susceptibility Pattern of *Streptococcus agalactiae* from a Tertiary Care Centre in India" at FIS (federation of Infection Societies) 2021 Online
- Rajni Gaind¹, Rushika Saksena¹, Prem Rose¹, Sunita Nagpal, Santvana on "Quality improvement initiative to improve CLABSI rates: an interim report from a critical care unit of a tertiary care center in a resource limited setting" at FIS (federation of Infection Societies) 2021 Online
- Dr. Rushika and Dr Rajni Gaind. "Impact of extensive Infection Prevention and Control training during COVID-19 pandemic on hand hygiene compliance: experience from a tertiary care hospital in India" at FIS (federation of Infection Societies) 2021 Online
- Dr Anupam Anveshi. "Virulence and antimicrobial profile of *Staphylococcus aureus* isolates from colonized Health care workers (HCW) in a tertiary care hospital" at FIS (federation of Infection Societies) 2021 Online
- Dr Sanchi Kashyap, Dr Dabet Rynga and Dr Rajni Gaind "Study of clinical spectrum and antibiogram pattern of *Streptococcus pneumoniae* from a tertiary care hospital of India" at FIS (federation of

Infection Societies) 2021 Online

GUEST LECTURES DELIVERED BY THE FACULTY.

Dr. Rajni Gaind

- Guest Faculty for Annual IAMM Conference and Preconference CME "Guidelines to practice" (UTI) 26th NOV 2021

Dr. Malini Capoor

- "COVID-19 associated Mucormycosis: Current Scenario & Lab diagnosis and Policy" and "Guidelines for biomedical waste management" June 2021, HISI, Aligarh Chapter
- "BMWM rules 2016, 2018 & 2019: Legal Aspects, Authorization, Annual Report" and "BMWM in COVID 19 Context, covid vaccination waste, Home Care of COVID patients" HISI Workshop, AMU, Aligarh July, 2021
- COVID-19 associated Mucormycosis: Epidemiology and lab diagnosis, 20.05.2021, IMA, Maharashtra, Nagpur
- Mucormycosis and COVID- Lab Waste Disposal HISI, New Delhi, June, Webinar
- BMWM during COVID 19 pandemic: targeting Primary, Secondary and tertiary care hospitals across states in India, 24 June 2021, NHSRC, Webinar
- HCWM Rules and Guidelines: Recent update: National workshop on Hospital Infection Control, JIPMER, 29 Sept- 2 Oct, 2021 Pudducherry
- "Policy and Guidelines for biomedical waste management", "BMWM in COVID 19 Context, Covid vaccination waste, Home Care of COVID patients", "Emergomycosis: Epidemiology, diagnosis and treatment" and "BMWM APP, Immunization waste" IAMM Workshop, BCCI, Gauhati, Dec, 2021
- COVID -19 Vaccination waste: IIMR webinar training with Ministry of Health, Bhutan: Govt doctors of Bhutan, 16 March 2021
- Emergomycosis: Systemic Mycosis, Longdom Conference, London, 27 April, 2021

EXTERNAL ASSIGNMENTS OF SIGNIFICANCE

Dr. Rajni Galnd -member of the project review committee ICMR for:

- Annual reports of SRF/RA/Adhoc projects under ICMR extramural scheme.
- Adhoc projects on Other Microbial Infections
- Accelerator Committee of India –ICMR

Dr Mallini Capoor- Chairperson DST (Women scientist scheme): Water, Sanitation, Waste Project review committee

ANY SIGNIFICANT FACILITY CREATED IN THE CURRENT YEAR

- Nucleic acid-based testing using TrueNat: 24X7 for COVID
- Qualitative CRP, Procalcitonin using Nephelometer
- Quantitative CMV viral load for organ transplant patients
- Initiated anti-SARS-CoV-2 antibody testing for HCW

SOCIAL/PUBLIC SERVICE DONE BY THE DEPARTMENT

The following activities were conducted by Hospital Infection control team

- Swatchhthapakhwada (1st-16th April 2021). Infection control team conducted training for Nurses, Lab technicians, Sanitation workers, Food Handlers and OT technicians
- World Hepatitis Day (28th July 2021) was celebrated with session on Safe practices to prevent needle stick injury and a role play
- Hand Hygiene Day (18th October 2021) was celebrated with a training session of HCW for Hand Hygiene practices
- Antimicrobial Awareness Week (18th-24th November 2021) was celebrated by creating awareness for public with a street play (Nukkad Natak)

DISTINCTIONS ATTAINED BY STUDENTS/RESIDENTS

- Dr. Ankita Singhal (SR)VMCC young Scientist Award in annual Micro D con (2021) on the topic - Correlation between time to positivity of blood culture and clinical outcomes in Staphylococcus

aureus bacteraemia, 2021

- Dr. Ankita Singhal (SR)Best e poster award in NATCON ISO 2021 on the topic - Prevalence of cancer in diagnosed cases of active tuberculosis – a real-world data, 2021

SIGNIFICANT ACHIEVEMENTS DURING THE YEAR

- The Department was fervently involved in the RT-PCR testing of COVID19 patients during the 2nd wave of COVID with testing available 24x7
- The Antimicrobial Resistance (AMR) data is contributed to Global Antimicrobial Resistance and Use Surveillance System (GLASS)
- Contributes HAI surveillance data to the National Data
- Dr. Shilpee Kumar contributed significantly to the COVID vaccination program
- The Department contributed significantly to achieving the Entry Level NABH Accreditation and Kayakalp Award of the Hospital by implementing Infection Control components.
- The Department participates in National and International projects.
- During this year the Department of Microbiology welcomed the first batch of the MBBS Student who would go through the CBME.
- The World Antimicrobial awareness week 2021 was celebrated from 18th-24th November 2021.
- The Department successfully submitted its application for NABL Accreditation on 13/09/2021.



Left to right

Sitting row: *Dr Shilpee Kumar, Dr Balvinder Singh, Dr B L Sherwal, Dr Rajni Gaiind, Dr Deepthi Nair, Dr Malini Capoor*

First row: *Dr Monika Matlani, Dr RushikaSaksena, Dr DabetRynga, Dr Pallavi Punia, Dr Shiva Verma, Dr Bhavana Sharma, Dr Anuja Gupta*

Second row: *Dr Gopi Tamilarasan, Dr Vikramjeet Datta, Dr Santosh Ranjan*

Department of Pathology

PRELUDE

The Department of Pathology at Vardhman Mahavir Medical College and Safdarjung Hospital caters to all laboratory investigations round the clock to all patients attending the hospital. It has ten satellite labs as mentioned below. The blood bank and transfusion medicine is one of the largest in the country and is also attached with Department of Pathology. These different satellite laboratories are managed by senior faculties. Department of Pathology also runs 24 hours emergency service throughout the year. The different

- satellite laboratories are as follows
- Histopathology
- Cytopathology
- Laboratory medicine
- Special Haematology
- Central Collection Centre
- Gynaecology Laboratory
- 24 hours Emergency Laboratory in New Emergency building (NEB)
- Burns & Plastic Pathology Laboratory
- Molecular lab
- Super speciality block (SSB) Lab

BRIEF OVERVIEW OF THE DEPARTMENT INCLUDING SERVICES PROVIDED & PATIENT STATISTICS (OPD, IPD, ICU, OT etc).

The patient statistics are given below

Name of Unit	Case	Investigations
Center collection center	125227	1083394
Gynaecology Lab.	66242	248290
Main Lab.	92848	119452
Emergency Lab.	378753	2731039
Burns & Plastic	17896	65057
Histopathology	15243	264265
Cytopathology	12671	105897

FACULTY

- **Dr. Meetu Agrawal**, Specialist
- **Dr. Charanjeet Ahluwalia**, Professor & Senior Specialist
- **Dr. Sana Ahuja**, Assistant Professor (On Contract)
- **Dr Rashmi Arora**, Professor & Ex HOD
- **Dr. Sheetal Arora**, Assistant Professor
- **Dr Sachin Bajaj**, Assistant Professor & Medical Officer
- **Dr. Sushma Bharti**, Assistant Professor (On Contract)
- **Dr. Anju GS**, Assistant Professor (On Contract)
- **Dr. Kapil Jagga**, Medical Officer
- **Dr Poonam Khambra**, Associate Professor & Senior Specialist
- **Dr SachinKolte**, Professor
- **Dr Neha Madan**, Associate Professor
- **Dr. Chintamani Pathak**, Associate Professor
- **Dr Sunil Ranga**, Professor & Head
- **Dr. Anjali Sharma**, Specialist
- **Dr. Rohit Sharma**, Assistant Professor (On Contract)
- **Dr Mukul Singh**, Professor & Consultant
- **Dr. Priyanka Singh**, Assistant Professor (On Contract)
- **Dr Rekha Tirkey**, Chief Medical Officer (NFSG)
- **Dr Amit Kumar Yadav**, Professor
- **Dr Sufian Zaheer**, Professor

NEW ADDITION TO THE FACULTY

- **Dr. Sana Ahuja**, Assistant Professor (On Contract)
- **Dr. Sushma Bharti**, Assistant Professor (On Contract)
- **Dr. Anju GS**, Assistant Professor (On Contract)
- **Dr. Rohit Sharma**, Assistant Professor (On Contract)
- **Dr. Priyanka Singh**, Assistant Professor (On Contract)

FACULTY MEMBERS WHO LEFT THE DEPARTMENT

- **Dr Indrani Dhawan**, Professor & Ex HOD
- **Dr Leelavathi Dawson**, Associate Professor & Consultant

- **Dr Wajid Ali Shah**, Assistant Professor & Consultant

DISTINCTIONS ACHIEVED BY THE MEMBERS OF THE FACULTY AWARDS

Dr. Amit Kumar Yadav

- Prize received for the poster titled "A rare multisystem disorder in a young child diagnosed on whole exome sequencing of SLC29A3 gene" (04-12-21)
- Case presentation of H syndrome received prize at PGCON 2021 organized online by IADVL (20-09-21)

SEMINARS / CONFERENCES / WORKSHOPS /CMEs HELD IN THE DEPARTMENT

Dermatopathology Workshop-cum-CME 09-04-22

SEMINARS / CONFERENCES/ WORKSHOPS/ CMEs ATTENDED BY THE FACULTY

Dr. Anjali Sharma

- Revised Basic course workshop (rBCW) in Medical Education Technologies organized by Medical Education Unit, VMMC & Safdarjung Hospital 24-26 August 2021
- Participated as a Speaker in XVII Annual Conference of Hospital Infection Society India, organized by HISI Aligarh chapter, Department of Microbiology, JNCMH, Aligarh 27-31 July, 2021
- Participated as a Speaker/ Faculty in NARCHIDELCON 2021 in the workshop on Haemo-vigilance-Obstetrics perspective organized by NARCHI, Delhi and Department of Obstetrics and Gynaecology, Sir Gangaram Hospital, New Delhi 28 August, 2021
- Participant in Virtual CME on Haemovigilance Programme of India organized by National Institute of Biologicals, Noida in collaboration with CDSCO, East zone office, MOHFW 16 September, 2021

Dr. Amit Kumar Yadav

- Annual Meeting of the Dermatopathology Society of India (14-01-22 to 15-01-22)
- 58th Annual Meeting of American Society of Dermatopathology (20-10-21 to 24-10-21)
- 69th APCON 2021 (03-12-21 to 05-12-21)
- 50th Annual Conference of Indian Academy of

Cytologists (CYTOCON 2021; 19-11-21 to 21-11-21).

RESEARCH: THESIS (ONGOING)

- Dr Rashi Maheshwari – Clinico-morphological correlations and diagnostic utility of synovial scoring in evaluation of synovitis 2021-23 (Guide- Dr Rajni).
- Dr Smriti- Diagnostic accuracy of pleural fluid tumour marker levels in malignant pleural effusion secondary to lung cancer 2021-23 (Guide- Dr Neha Kawatra Madan).
- Dr Vandana Yadav- Evaluation of expression of pdl1 gene in patients of giant cell tumor of bone 2021-23 (Guide- Dr Geetika Khanna).
- Dr NunenoNakhro Mean Platelet Volume and Platelet Distribution Width in patients with Type 2 Diabetes Mellitus 2021-23 (Guide- Dr Poonam Khambra).
- Dr Akshay Kalra-To study the pattern of red cell alloimmunization in multigravida antenatal women 2021-23
- Dr Dipush Swarup- of alloimmunization in transfusion dependent thalassemia patients 2021-23 (Guide- Dr Sunil Ranga).
- Dr Indhumathi R- Detection of Mismatch repair protein deficiency in Gliomas by Immunohistochemistry 2021-23 (Guide- Dr Charanjeet Ahluwalia).
- Dr Rita Rathore-Detection of types of BRAF and NRAS gene mutations in papillary carcinoma thyroid by real time polymerase chain reaction 2021-23 (Guide- Dr Sheetal Arora).
- Dr Kiruthikasri G. Alterations in receptor status and Ki67 index post neoadjuvant chemotherapy in invasive breast cancer 2021-23 (Guide- Dr Sufian Zaheer).
- Dr Pooja Verma- Her2/neu gene overexpression in patients of soft tissue sarcoma using FISH. 2021-23 (Guide- Dr Amit Kumar Yadav).
- Dr Shaikh Sadiya-Antenatal detection of hemoglobinopathies in patients with microcytic hypochromic anemia using high performance liquid chromatography 2021-23 (Guide- Dr Chintamani Pathak).
- Dr Neha Goyal- detection of KRAS and BRAF

mutation in colorectal carcinoma in Indian population. 2021-23 (Guide- Dr. Charanjeet Ahluwalia)

- Dr Shaivy Malik-unohistologicalcharacterisation of number and distribution of Epidermal langerhans cells and dermal dendritic cells in cases of vitiligo.2021-23 (Guide- Dr Amit Kumar Yadav).
- Dr Payal Chawhan - Immunohistochemical expression of mismatch repair proteins (MLH1, MSH2 and PMS2) in ovarian carcinomas in Indian population.2021-23 Guide-Dr Mukul Singh).
- Dr K. Ajay Joseph- Assessment of tumor associated macrophages infiltrating in breast carcinoma and its correlation with TNM and surrogate molecular classification.2021-23 (Guide-Dr Sachin Kolte).
- Dr Rajesh Behera-Detection of types of Epidermal Growth Factor Receptor gene mutation in non-small cell lung carcinoma by Real Time Polymerase Chain Reaction 2021-23 (Guide- Dr Sheetal Arora).
- Dr Annmy Jose-Immunohistochemical expression of MMR proteins in breast carcinoma in Indian population.2021-23 (Guide- Dr Mukul Singh).
- Dr Ankita Ratnakar-Flow cytometric detection of malignant epithelial cells in pleural and ascitic fluids.2021-23 (Guide- Dr Anjali Sharma).

RESEARCH: THESIS (COMPLETED)

- Dr. Carolyn Lallawmzuali- CD58 and CD81 in the assessment of minimal residual disease in paediatric B cell acute lymphoblastic leukaemia. 2020-22 (Guide- Dr. Amit Kumar Yadav)
- Dr. Adil Aziz Khan- Immunohistological study of melanocyte stem cells in vitiligo 2020-22 (Guide- Dr. Amit Kumar Yadav).
- Dr. Shalini Rawat- Association of HLA class I and II in autoimmune vesiculobullous lesions of skin. 2020-22 (Guide- Dr. Amit Kumar Yadav).
- Dr. Sonam Thakran- Expression of BRCA1 gene mutation in breast cancer patients and its association with age.2020-22 (Guide- Dr. Chintamani Pathak)

- Dr. Sherrin Jacob- Immunohistochemical expression of Snail and Twist in gliomas and its correlation with WHO grading.2020-22 (Guide -Dr Charanjeet Ahluwalia).
- Dr. Ayushi Agarwal Dr. Charanjeet Ahluwalia Expression of Programmed Death ligand - 1 (PD-L1) in Gliomas and its correlation with tumor grading.2020-22 (Guide- Dr Charanjeet Ahluwalia).
- Dr. Suman- Genotyping of HLA-DRB1 alleles in rheumatoid arthritis and their association with autoantibodies and disease activity 2020-22 (Guide- Dr Charanjeet Ahluwalia).
- Dr. Richa Kareer- Immunohistochemical expression of programmed cell death ligand 1 in primary head and neck squamous cell carcinoma and its comparison with p16 expression.2020-22 (Guide- Dr. Rashmi Arora.)
- Dr. Jatin Godara- Evaluation of programmed cell death protein 1 (PD-1) expression by flow cytometry on CD4+ lymphocytes in peripheral blood of patients with head and neck squamous cell carcinoma.2020-22 (Guide- Dr. Rashmi Arora.)
- Dr. Anuradha Saini- Evaluation of neutrophilic CD64 in adult sepsis as a novel diagnostic marker 2020-22 (Guide- Dr Mukul Singh).
- Dr. Subarna Sharma Pinky- Flow cytometric analysis of platelet-leukocyte aggregates in pre and post plateletpheresis donors. 2020-22 (Guide- Dr Mukul Singh).
- Dr. Kavya Varshney-Correlation of inflammatory markers (IL- 6, IFN- γ , TNF- α , ferritin, hs-CRP) with HbA1c in type 2 diabetes mellitus. 2020-22 (Guide- Dr Mukul Singh).
- Dr. Ritu Raghav- Microvessel density in tumoral and peritumoral area of colorectal cancer and its association with TNM staging.2020-22 (Guide- Dr. Sachin Kolte.)
- Dr. Amit Kumar Dinkar-Evaluation of diagnostic utility of p63 marker in Giant cell tumor of bone and its correlation with radiological grading (Campanacci grading).2020-22 (Guide- Dr. Geetika Khanna).
- Dr. Vikas Kumar-Comparing the diagnostic accuracy of combined bio marker assay consisting of CA-125, Apolipoprotein A1 and Apolipoprotein B over CA-125 alone in epithelial ovarian carcinoma. 2020-22 (Guide- Dr. Sachin Kolte).
- Dr. Madhumitha. -2020-22 (Guide- Dr. Sufian Zaheer).
- Dr. Aarti Kumari-Comparative analysis of cytomorphological findings in tuberculous lymphadenitis: newly diagnosed cases vs Drug defaulters 2020-22 (Guide- Dr. Sunil Ranga).
- Dr. Ankita Jain. -Comparative analysis of treponemal specific chemiluminiscence and rapid card test for syphilis screening in blood bank donors.2020-22 (Guide- Dr. Sunil Ranga).
- Dr. Vyomika Teckchandani Diagnostic accuracy of image guided core needle biopsy for musculoskeletal tumours. 2020-22 (Guide- Dr Rajni)
- Dr. Divyavishvam-Evaluation of serum vitamin D levels in chronic kidney disease stages 3-5. 2020-22 (Guide- Dr. Poonam Khambra)

PUBLICATIONS OF FACULTY/ RESIDENTS

- Khunger N, Khullar G, Mann KK, Yadav AK. Generalized erythematous and hypopigmented papules and nodules in a young female. *Indian J Dermatol Venereol Leprol.* 2021;23:1-5. doi: 10.25259/IJDVL_557_20. Epub ahead of print.
- Singla T, Pathak C, Singh A, Singla G, Singla S & Kumar NR. Mucinous cystadenoma with fibroma: a rare combination of collision tumour, *J Obstet Gynaecol* 2021;42(5):1588-90.
- Kaur N, Zaheer S, Kolte S, Sangwan S, Ranga S. Sternocleidomastoid tumor of infancy— Importance of cytopathological diagnosis and challenges. *Diagn Cytopathol* 2021;49:533-9.
- Kolte, S., Naaz, S. Biomarkers for detection of human papillomavirus (HPV). *Indian J Gynecol Oncolog* 2021;19, 44.
- Muradia I, Khullar G, Sharma S, Kolte S. Case Report: A Case of Tuberculosis with Psoriasiform Lichen Scrofulosorum Exhibiting Koebner's Phenomenon followed by Scrofuloderma. *Am J Trop Med Hyg.* 2021 Jul 27;105(3):630-2.
- Kaur N, Sharma A, Singh M, Ranga S, Mung C. Morphological analysis of body fluids for

diagnostic significance. *Rec Adv Pathol Lab Med* 2021; Volume 7 (3,4):1-3. Sharma A, Singh M, Kumari M, Parveen H, Chand G, Ranga S, Kishore J. Prognostic significance of hematological parameters and ratios in covid19 -patients. *Int J Med Res Health Sci* 2021,10(7):78-85.

- Sharma A, Kumari M, Parveen H, Singh M, Ranga S, Kishore J. Reliability of Haematological Parameters and Ratios Obtained from Automated Haematology Analysers in Predicting the Clinical Condition of the Patient - A Study from a Tertiary Care Hospital in New Delhi. *J Evid Based Med Healthcare* 2021, 8(25):2168 -72.
- Nagar N, Arora S, Ranga S. Dermatopathic Lymphadenitis: Cytological diagnosis. *Arch Med Health Sci.* 2021;9:117-9.
- Punhani P, Madan NK, Kaur S, Ranga S. Toxoplasma Pericarditis in an immunocompetent Child-A Rare Case Report. *Asian Journal of Res Infect Dis* 2021. 10.9734/AJRID/2021/v7i430220.
- Nagar N, Madan NK, Mittal R, Debata P, Ranga S. Visceral Larva Migrans: A Rare Encounter by a Cytologist. *Asian Journal of Research in Infectious Diseases.* 2021:9-13. 10.9734/ajrid/2021/v8i230231.
- Iyer H, Anand A, Sryma PB, Gupta K, Naranje P, Damle N, Mittal S, Madan NK, Mohan A, Hadda V, Tiwari P, Guleria R, Madan K. Mediastinal lymphadenopathy: a practical approach. *Expert Rev Respir Med.* 2021 Oct;15(10):1317-34.

FULL PAPER PUBLICATIONS IN CONFERENCE PROCEEDINGS

- Godara J, Kaur N, Zaheer S. Role of fibrotic stroma in rectal carcinoma: an immune morphological assessment. *KAPCON 2021* (1-3 October 2021)
- Khan AA, Zaheer S, Ranga S. Granulomatous mastitis: A diagnostic challenge 3 year single institutional experience. *KAPCON 2021* (1-3 October 2021)
- Vishvam D, Singh S, Singh M. Diagnosis and cytomorphological features of cutaneous adnexal neoplasms on fine needle aspiration cytology

followed by their histopathological correlation. *CYTOCON 2021* (19-21 November 2021)

- Dinkar AK, Khanna G, Zaheer S, Kolte S, Ranga S, 2021. Tenosynovial GCT: Clinico-radiological correlation and pathological features. *CYTOCON 2021* (19-21 November 2021)
- Ankita Jain, Sufian Zaheer, Sunil Ranga, 2021. Diagnostic significance of hemosiderin laden macrophages in differentiating non-neoplastic follicular lesions from neoplastic follicular lesions on cytology. *CYTOCON 2021* (19-21 November 2021)
- Sherrin Jacob, Sufian Zaheer, Sunil Ranga, 2021. Tumour necrosis as prognostic marker in oral squamous cell carcinoma. *APCON 2021.* (3 5 December, 2021)
- Vyomika Teckchandani, Swati Girdhar, Sufian Zaheer, 2021. Bilateral mature cystic teratoma with ectopic tubal gestation: A rare occurrence. *KAPCON 2021* (1-3 October 2021)
- Richa Kareer, Naveen Kumar, Charanjeet Ahluwalia, 2021. Post COVID Mucormycosis: A tertiary centre experience. *KAPCON 2021* (1-3 October 2021)
- Sonam Thakran, Naveen Kumar, Charanjeet Ahluwalia, Amit Dagger, K.B. Shanker, 2021. Cerebral fungal abscess masquerading as brain tumors. *KAPCON 2021* (1-3 October 2021)
- Suman, Aman, Sachin Kolte, 2021. Dedifferentiated liposarcoma masquerading as lipoleiomyoma. *KAPCON 2021.* (1-3 October 2021)
- Aarti Kumari, Sheetal Arora, Sunil Ranga, 2021. Giant cell glioblastoma masquerading as meningioma. *KAPCON 2021.* (1-3 October 2021)
- Sherrin Jacob, Geetika Khanna, 2021. Mesenchymal Chondrosarcoma – rare case report. *KAPCON 2021.* (1-3 October 2021)
- Ritu Raghav, Naveen Kumar, Amitabh, Gautam Chakraborty, Amit Jadhav, Meetu Aggarwal, Sunil Ranga, 2021. Castleman disease: A rare diagnosis in childhood. *KAPCON 2021.* (1-3 October 2021)
- Ankita Jain, Sufian Zaheer, Sunil Ranga, 2021. Intrasacrotal paratesticular malignant fibrous

- histiocytoma: A rare case report. KAPCON 2021. (1-3 October 2021)
- Kavya Varshney, Naveen Kumar, Charanjeet Ahluwalia, K.B Shankar, Sunil Ranga, 2021. Fibrosarcomatous dermatofibrosarcoma protuberans of the scalp, extending to the brain. KAPCON 2021. (1-3 October 2021)
 - Ayushi Agarwal, Meetu Agrawal, Sunil Ranga, 2021. Placental lipoma – A case report. KAPCON 2021. (1-3 October 2021)
 - Vikas Kumar, Aman, Sachin Kolte, 2021. Leiomyoma of the breast: a rare case report. ASOMACON 2021 (12-14 November 2021)
 - Kavya Varshney, Aarti Kumari, Sufian Zaheer, Sunil Ranga, 2021. Cytological findings on FNAC in drug defaulters, in patients with lymph node tuberculosis. CYTOCON 2021 (19-21 November 2021)
 - Kavya Varshney, Mukul Singh, Anjali Sharma, Sunil Ranga, 2021. Correlation of neutrophil to lymphocyte ratio and HbA1c in type 2 diabetes mellitus. APCON 2021. (3-5 December, 2021)
 - Sonam Thakran, Sufian Zaheer, Sunil Ranga, 2021. Prognostic value of tumor associated neutrophils in breast cancers. APCON 2021. (3-5 December, 2021)
 - Madhumitha, SufianZaheer, Chintamani, Sunil Ranga, 2021. Tumor budding and fibrotic cancer stroma in head and neck squamous cell carcinoma and its correlation with prognostic parameters. APCON 2021. (3-5 December, 2021)
 - AartiKumari, SufianZaheer, Sunil Ranga, 2021. Cytomorphological findings of drug defaulters of tuberculous lymphadenitis. APCON 2021. (3-5 December, 2021)
 - Amit Kumar Dinkar, Geetika Khanna, Sufian Zaheer, Sachin Kolte, Sunil Ranga, 2021. Fetus in fetu versus well differentiated sacrococcygeal teratoma: A pathological dilemma. APCON 2021.(3-5 December, 2021)
 - Carolyne Lallawmzuali, Amit Kumar Yadav, Amitabh, NitiKhunger, Sunil Ranga, 2021. A rare multisystem disorder in a young child diagnosed on whole exome sequencing of SLC29A3 gene. APCON 2021. (3-5 December, 2021)
 - Adil Aziz Khan, Amit Kumar Yadav, Geeti Khullar, Sunil Ranga, 2021. Cutaneous IgA associated lymphocytic vasculopathy: A diagnostic dilemma resolved on immunofluorescence. APCON 2021. (3-5 December, 2021)
 - Vikas Kumar, Aman, Sachin Kolte, 2021. A case of didelphys uterus with leiomyoma. APCON 2021. (3-5 December, 2021).

EXTERNAL ASSIGNMENTS OF SIGNIFICANCE

Dr. Amit Kumar Yadav, Professor went as expert at UPSC.

Dr. Amit Kumar Yadav, Professor went as expert at National Medical Library, NML.

DISTINCTION ATTAINED BY STUDENTS

Dr. Saba, PG student topped the MD Pathology Exam.



Left to right

Sitting row: Dr Rekha Tirkey, Dr Mukul Singh, Dr Sunil Ranga, Dr Geetika Khanna, Dr Sachin Kolte, Dr Sufiyan Zaheer

First row: Dr Sheetal Arora, Dr Anju, Dr Priyanka, Dr Sushma Bharti, Dr Neha Kawatra Madan, Dr Anjali Sharma, Dr Meetu Agrawal, Dr Rohit Sharma

Second row: Dr Sangeeta Verma, Dr Kapil Jagga, Dr Sachin Bajaj, Dr Sana Ahuja

Department of Pharmacology

PRELUDE

The department has been offering quality medical education to undergraduate and postgraduate students and conducting research in areas of Pharmacovigilance, Psychopharmacology, Cardiovascular, Rational Use of Medicine, Hospital Antibiotic Policy and Antibiotic use pattern with special focus on population kinetics. The Department of Pharmacology of VMMC and Safdarjung Hospital is significantly contributing to undergraduate (MBBS, Nursing and Medical Record Department, Pre-Trauma Technician courses) and postgraduate teaching and research.

- Undergraduate Teaching & Post Graduate Teaching
- Paramedics Teaching: B.Sc. Nursing (H), Pre-trauma technician, medical record Department, B. Sc prosthetics & Orthotics etc.
- ADR Monitoring centre: Department is recognized as the ADR monitoring centre under Pharmacovigilance programme of India (PvPI), specially indulging in focused ADR monitoring

for recently marketed medicines with an aim to ensure patient safety.

- Assets: Well-equipped UG laboratories including CAL, mannequins, well stocked museum with various dosage forms and pharmaceutical specimens, case scenarios with photographs depicting adverse drug reactions, animal house registered with CPCSEA, post graduate research laboratory is well equipped including HPLC and Spectrophotometer.
- Departmental library is provided with latest books

FACULTY

- **Dr. Preeta Kaur Chugh**, Professor
- **Dr. Kamlesh Garg**, Professor
- **Dr. Sparsh Gupta**, Professor
- **Dr. Navjot Kaur**, Professor
- **Dr. Amit Kumar Sharma**, Professor
- **Dr. Veena Verma**, Director, Professor & Head

NEW ADDITION TO THE FACULTY

- **Dr. Pooja Anand**, Assistant Professor

(contractual Basis)

FACULTY MEMBERS WHO LEFT THE DEPARTMENT

- **Dr. Nikhil Era**, Assistant Professor

SEMINARS/CONFERENCE/WORKSHOP/CMEs ATTENDED BY THE FACULTY NATIONAL

Dr. Veena Verma

- Delivered talk on "Pharmacovigilance An over View " in National Webinar on Pharmacovigilance of ASU & H Drugs And safety Management at Safdarjung hospital & New Delhi held on 14/12/2021

Dr. Preeta Kaur Chugh

- "Utilization of Generic Medicines in India: Where do we stand?" organized by Department of Pharmacology. (AIIMS Bibi Nagar, Hyderabad).
- Pharmacovigilance Webinar Adverse Drug Reaction Monitoring Centre (AMC), Department of Pharmacology. (ESIC Medical College & Hospital, Faridabad).
- Pharmacovigilance and Patient Safety, Organized Jointly by: ADR Monitoring Centre (Netaji Subhas Medical College and Hospital, Bihar, Patna, and Inovocare e-Academy, Kolkata)

Dr. Amit Kumar Sharma

- 6th Annual (Virtual) Conference of Indian Society for Atherosclerosis research, Delhi Chapter (Sharda University)

Dr. Navjot Kaur

- Delivered talk on "Serious Adverse events" in online workshop on New Drugs and Clinical Trials Rules, 2019 (Adesh Institute of Medical Sciences, Bathinda.)
- Delivered talk on "GRADE Approach" in online 6th International CME on Public Health Approaches to NCDs (PGIMER, Chandigarh).

RESEARCH: THESIS (ONGOING)

- Dr. Shivani Prescribing Pattern of Antipsychotic Drugs in Psychiatry Outpatient Department 2021-2024 (Guide- Dr. Amit Kumar Sharma)
- Dr. Divya Chamaria Prescription Pattern of Anti Epileptic Drug in Pediatric Patients Suffering from Epilepsy 2021-2024 (Guide- Dr. Kamlesh Garg)

- Dr. Manav Raj Singh Gill Qualitative assessment of asthma control post reinforcement of proper inhaler technique 2021-2024 (Guide- Dr. Sparsh Gupta).

RESEARCH: THESIS (COMPLETED)

- Dr. Deepak Pandey Evaluation of Factors Leading to Non-Adherence to Imatinib Treatment in Patients of Chronic Myeloid Leukemia 2020-2023 (Guide- Dr. Preeta Kaur Chugh)
- Dr. Kundan Singh Rathore Prescribing pattern of Antidepressant Drugs in Psychiatry Outpatients Department 2020-2023 (Guide- Dr. Veena Verma)
- Dr. Ravinder Nath Perumal Effect on Amlodipine and Telmisartan on bone metabolism markers in newly diagnosed hypertensive patients 2020-2023 (Guide- Dr. Kamlesh Garg)

FUNDED SPECIAL GRANTS/PROJECTS DURING THE YEAR ONGOING

- Dr. Kamlesh Garg Clinical efficacy of Buprenorphine plus Amitriptyline for treatment of pain with depression in advanced cancer patients. 3 Years ICMR 5,66,318 Rs.

COMPLETED

- Dr. Preeta Kaur Chugh ICMR Task Force proposal "rational use of drugs" Project Completed on 14/07/2022 ICMR 65/11/2018/BMs/ RUD/ VMMC15, 75, 520 Rs.

PUBLICATIONS OF FACULTY/RESIDENTS

- Manda RA, Verma V, Biswas K. An open randomized study to compare effect of metformin versus acarbose monotherapy on glycemic control and lipid profile in newly diagnosed type 2 diabetes mellitus patients. *Int. J Res Med Sci.* 2021 Mar;9(3):755-60.
- Verma V, Banerjee B, Metha AK antidepressant like activity of Buspirone but not of ondansetron when administered in combination with Fluoxetine or desipramine in mice. *Int J basic clin pharmacol.* 2021 Jun;10(6):621-6.
- Salim S, Kumar MN, Tripathi CD, Arya SV, Verma V *et al.* Pharmacological evaluation of prophylactic anti-microbial use in laparoscopic cholecystectomy; an open labelled study

- evaluating the concentrations of single dose intravenous ceftriaxone at serum and tissue level. *Eur J Clin Pharmacol.* 2021;77: 1011–6.
- Sheikh S, Sonone P, Verma V, Tripathi CD, Karim BA, et al. Comparative evaluation of anti depressant effects of Citalopram, Ketamine and their combination in animal models of depression: A potential anti-depressant? *Open J Pharmacol Pharmacother.* 2021; 6(1): 004-8.
 - Nath R, Gupta NK, Jaswal A, Gupta S, Kaur N, Kohli S, Saxena A, Ish P, Kumar R, Tiwari P, Kumar M, Kishore J, Yadav G, Marwein F, Gupta N. Mortality among adult hospitalized patients during the first wave and second wave of COVID 19 pandemic at a tertiary care center in India. *Monaldi Arch Chest Dis.* 2021 Oct.
 - Chugh PK, Dabas A. Price Dispersion of Vitamin D Supplements Over Time: An Initiative for Prescriber Education. *Indian J Endocrinol Metab.* 2021 ;25(2):142-7.
Badyal D, Chandu S, Chugh PK, Faruqui A, Gupta YK, Hazra A, et al. Hydroxychloroquine for SARS CoV2 Prophylaxis in Healthcare Workers – A Multicentric Cohort Study Assessing Effectiveness and Safety. *J Assoc Phy Ind.* 2021; 69:17-23.
 - Kumar A, Singh A, Sharma SP, Dutta A, Sharma AK. Prophylactic ondansetron eight milligrams versus four milligrams against post spinal anaesthesia shivering. *Intl Surg Jour.* 2021;8(5):1545-9.
 - Kakkar AK, Shafiq Nusrat, Sahni N, Mohindra R, Kaur N, Gamad N, et al. Assessment of Appropriateness of Antimicrobial Therapy in Resources-Constrained settings: Development and Piloting of a Novel Tool-AmRat. *Antibiotics.* 2021;10(2):200
 - Nath R, Gupta NK, Jaswal A, Gupta S, Kaur N, Kohli S, Saxena A, Ish P, Kumar R, Tiwari P, Kumar M, Kishore J, Yadav G, Marwein F, Gupta N. Mortality among adult hospitalized patients during the first wave and second wave of COVID-19 pandemic at a tertiary care center in India. *Monaldi Arch Chest Dis.* 2021 Oct.
 - Kaur N, Pandey A, Shafiq N, Gupta A, Das R,

- Singh H, Ahluwalia J, Malhotra S. Genetic and Nongenetic Determinants of Variable Warfarin Dose Requirements: A Report from North India
- Public Health Genomics. 2021;21:1-9.
- **GUEST LECTURES DELIVERED BY THE FACULTY**
- **Dr. Veena Verma**
- Delivered talk on "Pharmacovigilance An over View " in National Webinar on Pharmacovigilance of ASU & H Drugs And safety Management at Safdarjung hospital & New Delhi held on 14/12/2021
- **Dr. Navjot Kaur**
- Delivered talk on "Serious Adverse events" in online workshop on New Drugs and Clinical Trials Rules, 2019 (Adesh Institute of Medical Sciences, Bathinda.)
- Delivered talk on "GRADE Approach" in online 6th International CME on Public Health Approaches to NCDs (PGIMER, Chandigarh.)

EXTERNAL ASSIGNMENT OF SIGNIFICANCE (Experts in national agencies of repute, eg., ICMR, UGC CSIIR etc):

Dr Veena Verma

Member, Subject expert committee (Vaccine),
CDSO Member, SEC (IND), CDSO
Member- TUE, NADA

NEW COURSE/ SUBJECTS INTRODUCED DURING THE YEAR:

- MRD, PTT, Nursing & BPO .



Left to right
*Dr Amit Kumar Sharma, Dr Kamlesh Garg, Dr Preeti Kaur Chugh,
Dr Veena Verma (HOD), Dr Sparsh Gupta, Dr Navjot Kaur, Dr Pooja Anand*

Department of Physiology

PRELUDE

The Department of Physiology has well equipped human, hematology and clinical Physiology laboratories for under-graduate and post graduate teaching, research and clinical service. Additionally, it has advanced, state of the art chest examination simulators for cardiac and respiratory system on which the undergraduate and postgraduate students are trained and assessed.

There is a fully equipped AFT (Autonomic Function Test) lab for research activities and clinical testing. Exercise Physiology lab has provision for recording all cardio-respiratory and metabolic responses to exercise. Various research projects and academic activities are carried on in these laboratories. The departmental library has an impressive collection of books, thesis, synopsis and journals available for ready reference of faculty members, undergraduate and postgraduate students. A museum showcasing the history of physiology has been developed as per NMC norms. The department has a well-structured teaching schedule for the MBBS students in the form

of theory lectures, tutorials, practical, student seminars and quizzes. Besides teaching first year MBBS students and students of various paramedical courses, the faculty of this department have been entrusted with key administrative duties. They are actively involved in administrative activities related to postgraduate and undergraduate committees. They are also members of the medical education cell, institutional protocol review and curriculum committee. The faculty have been prime movers in the designing of Competency Based Medical Education Curriculum of the MCI that was implemented from 2019. Recently one PhD fellow has also joined the department to pursue his PhD course. Medical Physiology teaching is being carried out for the following courses

1. MBBS
2. M.D. Physiology
3. BSc. (H) Nursing
4. BPO
5. BSc. MLT

6. PTT

7. MIT

FACULTY

- **Dr. Himani Ahluwalia**, Director Professor & HOD
- **Dr. Supriya Gupta**, Director Professor
- **Dr. Raj Kapoor**, Director Professor
- **Dr. Manpreet Kaur**, Associate Professor
- **Dr. Heena Kauser**, Assistant Professor
- **Dr. Soumen Manna**, Associate Professor
- **Dr. Abha Mishra**, Assistant Professor
- **Dr. Nishtha Passey**, Assistant Professor
- **Dr. Loveleena Salkia**, Assistant Professor
- **Dr. Renuka Sharma**, Director Professor
- **Dr. Shweta**, Associate Professor
- **Dr. Preeti Tyagi**, Associate Professor

NEW ADDITION TO THE FACULTY

- **Dr. Nishtha Passey** (joined in 2021), Assistant Professor

FACULTY MEMBERS WHO LEFT THE DEPARTMENT

- **Dr. Manasi Bhattacharjee**, Professor (Resigned),
- **Dr. B Srinivas**, Professor, (Transferred to MOHFW)

ASSIGNMENT IN ACADEMIC ASSOCIATIONS:

- **Dr. Himani Ahluwalia**, Member Standing Selection Committee of Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) for interviews for promotion of faculty members, under the Assessment Promotion Scheme, November 22, 2021

DISTINCTIONS ACHIEVED BY THE MEMBERS OF THE FACULTY

AWARDS

Dr Himani Ahluwalia

- Outstanding contribution for Kayakalp Scheme 2020-21
- Received prize in poetry competition held in VMMC & SJH, 6th February, 2021

Dr Manpreet Kaur

- Jury choice award for E-paper titled "Comparison of the postgraduate student's perception on the effectiveness of two formats of journal club" at the

virtual Medical Education Conference (MEDUCON-2021) organized by the Department of Medical Education, JIPMER, Puducherry in association with the Alumni Association of NTTC JIPMER (AANJ) 3rd September 2021

- Best oral presentation in ASSOPICON 2021 for paper titled "Use of flipped classroom module as an active-teaching learning methodology" 9th September 2021.

SEMINARS / CONFERENCES / WORKSHOPS/ CMEs ATTENDED BY THE FACULTY

Dr. Himani Ahluwalia

- Chairperson in Biennial SAAP VII and PSI Conference 2021, HIMSR New Delhi, March 24 -25th, 2021
- Judge for Oral presentation in 7th annual National Conference of Association of Physiologists of India, Parmukhswami Medical College, Bhaikala University, Karamsad, Gujrat, 7th to 9th September 2021
- Chairperson Online CME & Workshop on "Recent Trends in Assessing Lifestyle Stress and The Road to Recovery" Department of Physiology, Maulana Azad Medical College, New Delhi, 14th September 2021.

Dr. Renuka Sharma

- Online Workshop 'Blueprinting for automation in Question paper setting' -"i-MECON", Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar. March 24, 2021
- Eye-Tracking Workshop conducted by NeuroNet Centre for Mind, Brain & Behavior in association with Asia Pacific Association for Cognitive & Behavioral Neuroscience, 12th & 19th June 2021
- iCON 2021 - National Conference on Innovations in Health Professions' Education, organized by the Medical Education Unit, AVMC, Puducherry, Nov 17 & 18, 2021.

Dr. Supriya Gupta

- Judge for Oral presentation in 7th annual National Conference of Association of Physiologists of India, Parmukhswami Medical College, Bhaikala University, Karamsad, Gujrat, 7th & 9th September 2021
- iCON 2021 - National Conference on Innovations

in Health Professions' Education, organized by the Medical Education Unit, AVMC, Puducherry, 17th to 18th November 2021

Dr. Soumen Manna

- 7th Annual National Conference of Association of Physiologists of India ASSOPICON 2021, 7th to 9th September, 2021.
- Medical Education Conference (MEDUCON 2021) organized by Department of Medical Education, JIPMER, Puducherry, 2th to 3rd September, 2021.

Dr. Manpreet Kaur

- Virtual Medical Education Conference (MEDUCON-2021) organized by the Department of Medical Education, JIPMER, Puducherry in association with the Alumni Association of NTTC JIPMER (AANJ) 2nd and 3rd September 2021.
- ASSOPICON 2021 organized by Department of Physiology, Pramukhswami Medical College, Bhaikaka University, Karamsad, 7th to 9th September 2021.

Dr. Preeti Tyagi

- Online CME & Workshop on "Recent Trends in Assessing Lifestyle Stress and The Road to Recovery" Department of Physiology, Maulana Azad Medical College, New Delhi, 14th of September 2021.

RESEARCH: THESIS (ONGOING)

- Dr. Divyam Dhakad-Ventricular repolarisation parameters and heart rate variability and their correlation with thyroid function in hypothyroid and healthy children, 2020-2023, (Guide- Dr Himani Ahluwalia).
- Dr Farzana- Effect of timing of acute aerobic exercise on Memory in young adults, 2020-2023, (Guide- Dr Himani Ahluwalia).
- Dr. Roma Kumari - Comparison of cardiorespiratory performance during interval & continuous exercise in patients of polycystic ovarian syndrome. 2020-2023, (Guide- Dr Renuka Sharma).
- Dr. Kajol Kumari Tulsyan-Assessment of verbal and visuospatial working memory in different phases of the menstrual cycle and its correlation with the menstrual distress score (MDS) in young

adult females 2020-2023, (Guide- Dr. Soumen Manna).

RESEARCH: THESIS (COMPLETED)

- Dr. Md. Imtiyaz Bharti-A comparative study of autonomic functions in type A and type B personalities in healthy adults 2019-2022, (Guide- Dr Raj Kapoor).
- Dr. Akash Tomar-Assessment of ventricular repolarization Parameters and their correlation with heart rate Variability in overweight and obese young adults 2019-2022, (Guide- Dr Himani Ahluwalia).
- Dr. Karee Angu-Study of cardiorespiratory fitness and androgen levels in polycystic ovary syndrome, 2019-2022, (Guide- Dr Renuka Sharma)
- Dr. Debarshi Nandi-Comparison of Autonomic function tests & Insulin resistance in type 2 Diabetes Mellitus with and without episodes of hypoglycaemic awareness 2019-2022 (Guide- Dr Supriya Gupta).
- Dr Shams Agaz-Comparative study of Autonomic functions and inflammatory markers in patients of chronic migraine and chronic tension type headache 2019-2022 (Guide- Dr. Supriya Gupta).

FUNDED SPECIAL GRANTS/PROJECTS DURING THE YEAR: ONGOING

- Dr. Renuka Sharma- Effect of Acute Exercise on cardiac biomarkers and affective responses in sedentary adults funded by ICMR (20 lakhs) for a duration of 2 years.

PUBLICATIONS OF FACULTY/RESIDENTS

- Bashir M, Ahluwalia H, Khan T and Sayeed SI. Role of NASA 10-minute Lean Test in diagnosing postural orthostatic tachycardia syndrome: a preliminary study in young population. *Ital J Med.* 2021;15:2.
- Chandran DS, Muthukrishnan SP, Barman SM, Peltonen LM, Ghosh S, Sharma R et al. Operations perspective to competency-based medical education: Experiences of IUPS-ICMR. Physiology Education Workshop series (2018 -2019) conducted in India. *Indian J Med Res.* 2021;154:553-557

- Pattnaik S, Gupta S, Saxena U, Matlani M, Kapoor R. Comparison of autonomic function tests and high-sensitivity C-reactivity protein in overweight patients of polycystic ovarian syndrome and overweight controls. *Indian J Physiol Pharmacol.* 2021;64(4):303-8.
- Tamuli D, Kaur M, Boligarla A, Jaryal AK, Srivastava AK, Kumaran SS, Deepak KK. *Structural atrophy* of central autonomic network correlates with the functional attributes of autonomic nervous system in spinocerebellar ataxia patients. *J Clin Neurosci.* 2021;93:274-281.

Abstract publication in conference proceedings

- Manpreet Kaur, Hanjabam B. Sharma, Simran Kaur, Ratna Sharma, Renuka Sharma, Raj Kapoor and Kishore K. Deepak. Comparison of the postgraduate student's perception on the effectiveness of two formats of journal club. MEDUCON 2021.
- Manpreet Kaur, Manasi Bhattacharjee, Soumen Manna, Himani Ahluwalia. Use of flipped classroom module as an active-teaching learning methodology. ASSOPICON 2021: F-42: 45 (Abs).

GUEST LECTURES DELIVERED BY THE FACULTY

Dr. Himani Ahluwalia

- Webinar on 'Digital Lecture Theatre'-organized by National Medical Library-13/2/21

Dr. Renuka Sharma

- "Sleep Pattern of Adolescents: Link to Health and Academic Performance" Webinar organized by Sharp NGO-9th Jan 2021.
- Webinar on 'Digital Lecture Theatre'-organized by National Medical Library-13/2/21
- "Assessment planning" Virtual Biennial South Asian Association of Physiology & Physiological Society of India Conference-17th March 2021.
- "Stress management" -Online CME & Workshop on "Recent Trends in Assessing Lifestyle Stress and The Road to Recovery" -Maulana Azad Medical College, New Delhi. 14th Sep 2021.
- Developing Critical Thinking with Formative Assessment- International Union of Physiological Sciences (IUPS) Workshop on Designing

- Assessment to Evaluate Critical Thinking Skills in Physiology, AIIMS Guwahati, 29th and 30th September 2021.

Dr. Manpreet Kaur

- Invited Resource Faculty and have delivered a talk on Designing Summative Assessment to Evaluate Higher Order Learning in the Online 'IUPS Workshop on Designing Assessment to Evaluate Critical Thinking Skills in Physiology' held on 29th & 30th September, 2021.

EXTERNAL ASSIGNMENTS OF SIGNIFICANCE

Dr. Himani Ahluwalia

- AIIMS-External Expert-MBBS Examination
- DNB- External expert -Paper setting, moderating & evaluation
- Reviewer - Indian Journal of Physiology & Pharmacology, MAMC Journal of Medical Sciences

Dr. Renuka Sharma

- UPSC- External expert, Paper setting & evaluation
- ICMR-Chairperson, Review Committee & Member-Faculty Promotion Board
- GGSIP University –Convenor, Undergraduate Academic Program Committee, Member-Board of Studies
- AIIMS-Member, Faculty Promotion Board, External Expert-MD, PhD Examination
- DNB- External expert -Paper setting & evaluation
- Reviewer - Indian Journal of Physiology & Pharmacology, Journal of Complementary & Integrative Medicine, Journal of Clinical Diagnostics and Research.

Dr Supriya Gupta

- External examiner for MD/Phd - AIIMS Jodhpur, AIIMS New Delhi, KGMC Lucknow
- NMC – External expert committee member for PGMARB, NMC, New Delhi
- GGSIPU- Convener, Post Graduate Academic Programme Committee Expert on Panel for Phd Selection Committee
- Reviewer - Indian Journal of Physiology & Pharmacology, Journal of Clinical Diagnostics and Research.

- Delhi University- Expert for faculty promotion (Assessment Promotion).

SIGNIFICANT ACHIEVEMENTS DURING THE YEAR

Dr. Himani Ahluwalia

- Chairperson in Virtual Biennial SAAP VII and PSI Conference 2021 held between March 24 -25th, 2021 at HIMSR, New Delhi
- Member Standing Selection Committee of Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) for interviews for promotion of faculty members, under the Assessment Promotion Scheme November 22, 2021
- Judge for Oral presentation in 7th annual National Conference of Association of Physiologists of India, 7th to 9th September 2021
- Organised Cultural programme for Faculty of VMMC & SJH Hospital, February 2021.
- Received First prize in Kavi sammelam organized by Faculty Cultural Club, VMMC & SJH



Left to right: First row: Dr. Shweta, Dr. Soumen Manna, Dr. Raj Kapoor, Dr Himani Ahluwalia, Dr Renuka Sharma, Dr Supriya Gupta. Second Row: Dr Heena Kauser, Dr Loveleena Saikia, Dr Nishtha Passey, Dr Abha Mishra.

Medicine & Allied Departments

• Cardiology • Dermatology & STD • Endocrinology • Haematology
• Medicine • Medical Oncology • Nephrology • Neurology • Paediatrics
• Psychiatry • Pulmonary, Critical Care & Sleep Medicine • Radiation Oncology

Department of Cardiology

FACULTY

- **Dr. Saurabh Agastam**, Assistant Professor
- **Dr. A H Ansari**, Professor
- **Dr. Sandeep Bansal**, Professor and Head of Department
- **Dr. Anunay Gupta**, Associate Professor
- **Dr. Preeti Gupta**, Associate Professor
- **Dr. Puneet Gupta**, Assistant Professor
- **Dr. H S Isser**, Professor and Consultant
- **Dr. Ankit Jain**, Associate Professor
- **Dr. Kotti K.** Assistant Professor
- **Dr. Rakesh Varma**, Professor and Consultant

NEW ADDITION TO THE FACULTY

- **Dr Kotti K**, Assistant Professor
- **Dr Puneet Gupta**, Assistant Professor

FACULTY MEMBERS WHO LEFT THE DEPARTMENT

- **Dr Rakesh Varma**, Professor and Consultant

ASSIGNMENT IN ACADEMIC ASSOCIATIONS:

- **Dr Anunay Gupta**, Visiting Researcher and Clinical Fellow, University of Sydney: April

2022 to Current

SEMINARS/CONFERENCES/WORKSHOPS/CMEs ATTENDED BY THE FACULTY

- **Dr Anunay Gupta**, IHRS 2021, Dec. 2021
- **Dr Anunay Gupta**, DELHI CSI, MARCH 2021
- **Dr Preeti Gupta**, CSI 2021, Dec 2021

FUNDED SPECIAL GRANTS/PROJECTS DURING THE YEAR : ONGOING

Dr Preeti Gupta [PI-Principal Investigator]-

- "Randomized, Double blind, Placebo- Controlled, Phase 3 Study to Evaluate the Long-Term Efficacy and Safety of LIB003 in Heterozygous Familial Hypercholesterolemia Patients on Stable Lipid Lowering Therapy Requiring Additional Low Density Lipoprotein Cholesterol Reduction (LIBerate-HeFH)".
- "Randomized, Double-Blind, Placebo-Controlled, Phase 3 Study to Evaluate the Long-Term Efficacy and Safety of LIB003 in Patients with Cardiovascular Disease on Stable Lipid

Lowering Therapy Requiring Additional Low-Density Lipoprotein Cholesterol Reduction (LIBerate-CVD)".

- "Randomized, Double-Blind, Placebo-Controlled, Phase 3 Study to Evaluate the Long-Term Efficacy and Safety of LIB003 in Patients with Cardiovascular Disease, or at High Risk for Cardiovascular Disease, on Stable Lipid Lowering Therapy Requiring Additional Low Density Lipoprotein Cholesterol Reduction (LIBerate-HR)".
- "Open-Label Extension Phase 3 Study to Evaluate the Long-Term Efficacy and Safety of LIB003 in Patients with Homozygous and Heterozygous Familial Hypercholesterolemia, Cardiovascular Disease, or at High Risk for Cardiovascular Disease, on Stable Lipid-Lowering Therapy Requiring Additional Low-Density Lipoprotein Cholesterol Reduction (LIBerate-OLE)s".
- "A Phase 3 Study to Evaluate the Efficacy and Safety of ARO-APOC3 in Adults with Familial Chylomicronaemia Syndrome". Funded by LIB Therapeutics.

Dr Sandeep Bansal [PI- Principal investigator]-

- 'A Multicenter, Open Label, Single-arm, study to evaluate safety and tolerability of Repatha in patients with Homozygous Familial Hypercholesterolemia' an international trial
- 'A phase IV study to investigate the safety and effectiveness of Rivaroxaban (Xarelto) 2.5mg [BID] + Acetylsalicylic Acid (ASA) 75mg [OD] in Indian patients with coronary and/or symptomatic peripheral artery disease'
- 'A Phase 2 Randomized Study of the Efficacy and Safety of Acalabrutinib with Best Supportive Care Versus Best Supportive Care in Subjects Hospitalized with COVID-19'
- 'Promesa™ DES - 1: A Prospective, Multicenter, Single arm, Open label Study to Evaluate Safety and Performance of Promesa™ DES Sirolimus Eluting Self Expandable Nitinol Peripheral Stent System for Treating Superficial Femoral Artery (SFA) and Iliac Artery Lesions'
- 'Efficacy and Safety of Bolus Injection of a Novel

Thrombolytic Agent (SMRX-11) in Patients with Acute ST-segment Elevation Myocardial Infarction (STEMI): A Phase I/II Open-Label, Dose Escalation, Multicenter, Angiographic Trial'

- 'HEART SMART -To assess the Safety and Performance of Sirolimus eluting coronary stent system in treatment of coronary artery disease conditions with the systematic evaluation in human subjects(PMCF)'
- SELECT - Semaglutide effects on cardiovascular outcomes in people with overweight or obesity Trial Phase: 3b Sponsor: Novo Nordisk India Private Limited, Bangalore
- ZEUS-Effects of zilvekimab versus placebo on cardiovascular outcomes in participants with established atherosclerotic cardiovascular disease, chronic kidney disease and systemic inflammation.
- FINEARTS - HF -A multicenter, randomized, double blind, parallel-group, placebo-controlled study to evaluate the efficacy and safety of finerenone on morbidity and mortality in participants with heart failure (NYHA II-IV) and left ventricular ejection fraction $\geq 40\%$ (LVEF $\geq 40\%$)
- MAHALE- A Multicentre, Randomised, Double-blind, Parallel-group, Placebo-controlled, 52-Week, Phase III Study with an Open label
- Extension to Evaluate the Efficacy and Safety of Benralizumab in Patients with Non-Cystic Fibrosis Bronchiectasis.
- SER-CAR-A Prospective, Open-Labeled, Multi-Center, Phase-IV Study to Evaluate the Safety and Clinical Acceptability of the Carivalan® the Single Pill Combination (SPC) of Carvedilol / Ivabradine in Indian Patients with Chronic Heart Failure and/or Chronic Coronary Syndrome.
- Co-investigator in "Effect of Semaglutide 2.4 mg once-weekly on function and symptoms in subjects with obesity related heart failure with preserved ejection fraction, and type 2 diabetes".
- Co-investigator in "GENESIS II: A Clinical Evaluation of the HYDRA Self Expanding Transcatheter Aortic Valve".
- Co-investigator in "Effects of semaglutide on

functional capacity in patients with type 2 diabetes and peripheral arterial disease (STRIDE)".

- "A Multicenter, Cross-sectional Study to Characterize the Distribution of Lipoprotein(a) Levels Among Patients with Documented History of Atherosclerotic Cardiovascular Disease (ASCVD) & 20180244: A Double-blind, Randomized, Placebo-controlled, Multicenter Study Assessing the Impact of Olpasiran on Major Cardiovascular Events in Patients with Atherosclerotic Cardiovascular Disease and Elevated Lipoprotein (a)"

PUBLICATIONS OF FACULTY/ RESIDENTS

- Bhasin D, Gupta A, Isser HS, Bansal S. Intramural hematoma burrowing behind a coronary stent: Optical coherence tomography findings. *Cardiovasc Revasc Med.* 2021 Dec 1;S1553-8389(21)00757-0.
- Agarwal R, Gupta A. Echocardiography-Guided Arrhythmic Risk Prediction in the Long QT Syndrome. *J Cardiovasc Echogr.* 2021 Jul -Sep;31(3):187-188.
- Gupta P, Gupta A, Agstam S, Bansal S. Balloon Rupture During Balloon Mitral Valvotomy. *J Invasive Cardiol.* 2021 Nov;33(11):E916.
- Jandial A, Gupta A, Malviya A, Agastam S, Kumar D. Coagulation abnormalities & thromboprophylaxis in COVID-19. *Indian J Med Res.* 2021 May&Jun;153(5&6):606-618.
- Gupta S, Yadav A, Gupta A. A Young Man With Wide Complex Tachycardia-The Devil Is in the Details. *JAMA Intern Med.* 2021 Nov 1;181(11):1511-1513.
- Bansal S, Gupta A. Cardio- oncology: A view from the cardiologist's window. *Int J Cardiol.* 2021 Dec 1;344:225.
- Ramakumar V, Gupta A, Goswami KC, Jagia P, Ramakrishnan S. Mitral valvular nodules of acute rheumatic fever masquerading as intracardiac mass. *Eur Heart J.* 2021 Sep 16;ehab638.
- Bhasin D, Arora GK, Gupta A, Isser HS, Bansal S. L-wave in severe mitral stenosis. *Acta Cardiol.* 2021 Aug;76(6):678-679.
- Kumar R, Bhasin D, Gupta A. Young man with life-threatening palpitations. *Heart.* 2021 Jun;107(11):894-936.
- Bhasin D, Arora GK, Girdhara P, Gupta A, Isser HS, Bansal S. Coronary-Cameral Fistula to Pulmonary Artery: An Innocent Bystander? *J Invasive Cardiol.* 2021 Jan;33(1):E70.
- Gupta A, Hazra KG, Ramakumar V, Bera D. Late detection of a pacemaker malfunction. *Pacing Clin Electrophysiol.* 2021 Oct;44(10):1743-1745.
- Bhasin D, Deshpande AA, Gupta A, Isser HS, Arava S, Sharma S. Fulminant myocarditis mimicking extensive anterior wall myocardial infarction. *Acta Cardiol.* 2021 Nov;76(9):1036 -1038.
- Gupta A, Agstam S, Agarwal T, Verma S. An Interesting Case of Acute Asymptomatic Lead Perforation of a Permanent Cardiac Pacemaker. *Cureus.* 2021 Feb 14;13(2):e13334.
- Malviya A, Khan SA, Gupta A, Mishra A. Chronic Marijuana Consumption Leading to High-Grade Atrioventricular Block in a Young Male. *Cureus.* 2021 Jul 6;13(7):e16202.
- Bhasin D, Arora GK, Agstam S, Gupta A, Isser HS, Bansal S. Giant Aortic Root Aneurysm in Marfan's Syndrome. *J Invasive Cardiol.* 2021 Mar;33(3):E231-E232.
- Bhasin D, Arora G, Gupta A, Isser HS, Bansal S. Incessant Focal Atrial Tachycardia Leading to Tachycardiomyopathy. *Cureus.* 2021 Jan 18;13(1):e12770.
- Bhasin D, Kumar R, Gupta A. A Young Woman With Palpitations: A Poison or a Remedy? *Circulation.* 2021 Jun 8;143(23):2312-2315.
- Bhasin D, Isser HS, Gupta A. Chest Pain With ST-Segment Elevation in a Young Woman: A Broken Heart? *Circulation.* 2021 Jan 12;143(2):197-201.
- Bhasin D, Gupta A, Arora GK, Isser HS. Longitudinal Stent Deformation: Insights Provided by Optical Coherence Tomography. *J Invasive Cardiol.* 2021 Aug;33(8):E672-E673.
- Kumar D, Malviya A, Saikia B, Barman B, Gupta A. Abnormally Enlarged Singular Thebesian Vein in Right Atrium. *Cureus.* 2021 Jul 10;13(7):e16300.

- Gupta A, Agstam S, Bhasin D, Rai N, Jain J, Isser HS, Bansal S. Accidental Cannulation of the Cardiac Venous System During Pericardiocentesis. *J Invasive Cardiol.* 2021 Mar;33(3):E225-E226.
- Bhasin D, Arora GK, Gupta A, Isser HS, Bansal S. Perforation of an Aortopulmonary Collateral: A Scary Sight in the Lab! *J Invasive Cardiol.* 2021 Apr;33(4):E312-E313.
- Gupta A, Bhargava K, Bhasin D, Agstam S, Isser HS. Sudden unexpected improvement in the trioventricular conduction. What is the mechanism? *Indian Pacing Electrophysiol J.* 2021 Jul -Aug;21(4):248-250.
- Gupta A, Gupta SK, Ramakrishnan S, Kothari SS. Delivery sheath tip invagination - An unusual cause of failure to retrieve duct occluder. *Ann PediatrCardiol.* 2021 Apr-Jun;14(2):242-243.
- Gupta A, Vinocur JM. An interesting response to adenosine during right ventricular pacing. What is the mechanism? *J Electrocardiol.* 2021 Sep -Oct;68:41-43.
- Agstam S, Agarwal T, Gupta A, Bansal S. Proprotein convertase subtilisin/kexin type 9 (PCSK9) inhibitors in aortic stenosis - Is this the light at the end of the tunnel for patients with aortic stenosis? *Indian Heart J.* 2021 Mar -Apr;73(2):249-252.
- Bhasin D, Kumar R, Gupta A. A Young Man With Generalized Muscle Weakness and a Peculiar Electrocardiogram: Carpe Diem. *JAMA Intern Med.* 2021 Mar 1;181(3):374-376.
- Bhasin D, Kumar R, Gupta P. Man with an ejection systolic murmur *Heart* 2021;107:2006.
- Jain R, Aggarwal P, Jha MJ, Pandit BN, Gupta P, Isser HS. Transesophageal Echocardiographic Assessment of Left Atrial and Left Atrial Appendage Function in Atrial Fibrillation and Rheumatic Heart Disease. *Cureus.* 2021 Oct 11;13(10):e18653.
- Khandelwal R, Gupta P, Gupta A. Assessment of left ventricle systolic and diastolic function in post-covid patients- a prospective, single-center, observational study. *IJSR* 2021. Volume 10, Issue 9, September 2021
- Ali M, Padmanabhan D, Banavalikar B, Raja R P, Gupta A, Kathuria S. End-of-life care in advanced heart failure during cardiology training in India: A survey. *Heart India* 2021;9:118-23
- Kathuria S, Uppal A, Mehta V, Gupta A. Cardiac Diseases and Obesity. *J Postgrad Med Edu Res* 2021; 55 (1):12-20.
- Agstam S, Gupta A, Bansal S. Retinal artery pulsations in aortic regurgitation—the Becker's sign revisited. *DJO.* Volume 27, Number 3, August 21.
- Ghosh S, Yadav A, Francis C, Gupta A, et al. Implications of the use of hydroxychloroquine on cardioactive drugs. *J Pract Cardiovasc Sci* 2021;7:3-7

Case presentation

- LM complication – Delhi CSI 2021 – A case presentation
- Unusually located EAT – IHRS 2021



L to R

Sitting: Dr Sourabh Agastam, Dr Preeti Gupta, Dr HS Isser, Dr Sandeep Bansal, Dr AH Ansari, Dr Kotti K
Standing: Dr Tushar Agrawal, Dr Puneet Gupta, Dr Gaurav Arora, Dr Faraz Ahmed Farooqi

Department of Dermatology & STD

PRELUDE

The department of Dermatology & STD has been functioning as a tertiary care centre and provides comprehensive treatment of dermatological diseases including dermatosurgery, leprosy and sexually transmitted diseases. It also runs special clinics for various chronic skin diseases like psoriasis, autoimmune diseases, nail clinic, hair clinic, vascular anomalies, drug and allergy clinic etc. Initially, there were only a few rooms catering to patients but with the increasing demand and services, the department has been expanding progressively. The dermatology ward for indoor patients has 40 beds and treats a wide spectrum of serious disorders like severe drug reactions, erythroderma, immunobullous disorders etc. The department is an apex centre for the management of Sexually Transmitted Infection and conducts regular teaching, training and research in the field of STD. The department is well-equipped with latest lasers, phototherapy units and radiofrequency machines and is constantly upgrading them. It also

runs the Urban Leprosy Centre under the National Leprosy Elimination Program and provides free MDT treatment. Department also runs a short-term trainee programme for qualified dermatologists.

OUTDOOR SERVICES:

The department offers management for a large number of dermatologic disorders including psoriasis, vitiligo, hair disorders, nail disorders, leprosy and sexually transmitted diseases.

Overview of Skin Department in the year 2021.

Overview of Skin Department in the year 2021.

S.No.	Service Provided	Patient statistics
1.	Out-patient department	1.8 lakh per year
2.	In-patient department	167 per year
3.	OT	
	• Skin Biopsies	2052
	• Electro Surgical Procedures	2640
	• Acne surgery	449
	• Cryo Surgical Procedures	38
	• Chemical Peels	436
	• Skin grafting procedures	28
	• Intralesional injections	2300
	• Keloid treatment	650
	• Nail Surgeries	101
	• Cyst excision	362
	• Derma abrasion	25
	• R/F	2763
	• Derma roller	75
	• Ear lobe repair	09
	• PRP	112
4.	Special clinics	
	• Psoriasis	184
	• Bullous diseases	156
	• Autoimmune connective tissue diseases	56
	• Nail clinic	147
	• Drugs & Allergy clinic	104
	• TB & Granulomatous clinic	12
	• Vascular anomalies clinic	89
	• Phototherapy clinic	12
	• Vitiligo & Pigmentary clinic	121
	• Scar & laser clinic	140
	• Pediatric dermatology clinic	12
	• Hair clinic	244
	• Leprosy clinic	1635

Tests performed in the OPD. (All procedures including surgeries, Phototherapy and lasers are free of charge):

- 1. Woods lamp examination
- 2. Dermoscopy
- 3. KOH examination
- 4. Gram's stain
- 5. Z-N stain for AFB
- 6. Slit skin smear for M. leprae and L. donovani
- 7. Tzanck smear
- 8. Patch test
- 9. Skin & Nail biopsy

Overview of Apex Regional STD Centre

The Apex Regional STD Centre at SJH was established by the Ministry of Health & Family welfare in 1954, under the National STD Control programme, as part of 5 Regional STD Centres (RSC) in the country, for the exclusive diagnosis and management of Sexually transmitted diseases. After the advent of HIV infection and establishment of NACO, the Regional STD Centre began diagnostic tests for HIV in addition to other STDs. The National STD Control Programme later merged with the National AIDS Control Programme (NACP). In 2009, NACO designated this Centre as the Apex Regional STD Centre, with 10 Regional STD Centres and 45 State Reference centres (SRC) across India, to mentor and monitor for STI/RTI diagnosis and quality assurance. The Apex Regional STD Centre is accredited by NABL as per ISO-15189, since 2014, till date.

The activities include-

1. Diagnosis of all STDs.
2. A mobile STD clinic offering services in rural/semi urban parts of Delhi
3. Teaching, Training and Capacity building in STD diagnosis through annual hands-on workshops for all the Regional STD Centres and State Reference Centres, across India.
4. Mentoring and Monitoring of 10 Regional STD Centres across India.
5. Quality Assurance in diagnostics- As quality assurance is a very important aspect of a laboratory, we began participating in Quality assurance programmes with international organizations. For Gonorrhoea, the centre has been participating in EQAS programmes with WHO-CC at Sydney, since 2000. For Syphilis EQAS, the centre has been participating with CDC, Atlanta, USA since 2015. The performance of the centre in these programmes has been highly satisfactory. The Apex laboratory organizes quality assurance testing in all the RSCs by sending annual EQAS panels for Gonorrhoea and Syphilis diagnosis.
6. The Centre offers not only diagnostic facilities but also referral activities for the 10 RSCs in India.

7. In 2018-19, we expanded the scope of our diagnosis of STDs to include Realtime PCR diagnostic tests for several STDs, including Chlamydia, Gonorrhoea, Genital herpes, HPV and Trichomoniasis.
8. The Apex laboratory has been participating in HIV sentinel surveillance (HSS) since 1998.
9. In January 2022, NACO has proposed our Centre to begin the Surveillance activity for STDs too, in the country. This is a very ambitious and prestigious responsibility for our hospital and centre. We look forward to this exciting prospect.

Tests performed at the Apex Regional STD Centre-

Gonorrhoea- Neisseria gonorrhoeae-(GC)-

- Gram stain- Gram negative diplococci.
- Culture and identification- Oxidase, Superoxol tests
- Speciation- RCUT, nitrocefin
- Antimicrobial susceptibility testing (AST)-for 11 drugs by CDS, CLSI and MIC methods.
- EQAS-Quality Assurance with WHO-CC in Sydney.

Syphilis- Treponema pallidum-(TP)-

- Dark field microscopy (DFM)
- VDRL- Qualitative and quantitative.
- RPR- Qualitative and quantitative.
- TPHA-
- FTA-Abs-
- Tp-ELISA-IgM and IgG
- Point of care test (POCT)
- Quality Assurance testing from CDC, Atlanta (USA)

Chancroid- Haemophilus ducreyi- (HD)-

- Gram stain- to look for Gram negative coccobacilli in 'fish in stream' appearance or clusters.
- Culture on special media for Hd.

Chlamydia- Chlamydia trachomatis (D to K) (CT)

- Giemsa stain
- ELISA for Ct antigen.
- ELISA for IgM, IgG.
- Direct fluorescent antibody test (DFA)
- PCR for Ct.

Trichomoniasis- Trichomonas vaginalis (TV)-

- Wet mount for motile TV.
- Culture on Kupferberg media.
- PCR for TV.

Bacterial Vaginosis (BV)

- Amsef's criteria- pH, discharge consistency, whiff test, Clue cells.
- Nugent's criteria- by Gram's stain scoring.

Vulvo Vaginal Candidiasis- Candida species (VVC)

- KOH mount for fungal elements.
- Gram's stain for budding yeast forms.
- Culture on SDA media.
- Speciation by- Germ tube test, CMA agar, Chrom agar, Sugar tests.
- Antifungal susceptibility testing (AFST)- using Fluconazole, Ketokonazole, Itraconazole, Voriconazole.
- Quality Assurance testing from PGIMER, Chandigarh.

Herpes genitalis-Herpes simplex virus (HSV)

- Tzanck smear for Multinucleated giant cells (MNGC)
- ELISA for IgM and IgG.
- DFA
- PCR

Donovanosis (Granulomainguinale)-Klebsiella granulomatis - DB

- Giemsa stain using crushed tissue to look for 'safety pin appearance' bacilli.

Lymphogranuloma venereum-Chlamydia trachomatis(L1, L2, L3) (LGV)

- ELISA
- PCR

HPV-PCR Genotyping

Mycoplasma genitalium

Ureaplasma

Total performed in 2021 = 61,378. Number of positive reports in 2021 = 1,866.

FACULTY

- **Dr. R K Anand**, Consultant
- **Dr. T C Arora**, Consultant & Professor
- **Dr. Shikha Bansal**, Associate Professor
- **Dr. Sunil Dayal**, Consultant
- **Dr. Sanchita Karmakar**, Consultant (CGHS) & Assistant Professor
- **Dr. Sushruta Kathuria**, Specialist Gr-I

- **Dr. Geeti Khullar**, Specialist Gr-II (CGHS)
- **Dr. Niti Khunger**, Consultant, Professor & HOD
- **Dr. Sunil Kumar** Consultant (CGHS)&Assistant Professor
- **Dr. Neha Kumar**, Specialist Gr-II (CGHS)
- **Dr. Avneet Monga**, Specialist Gr-II (CGHS)
- **Dr. Poonam Puri**, Professor & Consultant
- **Dr. A K Saxena**, Consultant
- **Dr. Prashant Verma** Associate Professor
- **Dr. Dhaarna Wadhwa** Medical officer
- **Dr. Premlata** CMO HAG & Consultant (CGHS)
- **Dr. Payal** Specialist Gr-II (CGHS)

APEX REGIONAL STD CENTRE

- **Dr. Aradhana Bhargava** Associate Professor & Microbiologist
- **Dr. Sumathi Muralidhar** Professor & Consultant Microbiologist
- **Dr. Charan Singh**, Adviser

NEW ADDITION TO THE FACULTY

- **Dr. Dhaarna Wadhwa**, Medical Officer

FACULTY MEMBERS WHO LEFT THE DEPARTMENT

- **Dr. T C Arora**, Professor & Consultant

PROMOTIONS

- **Dr. Shikha Bansal**, Associate Professor
- **Dr. Prashant Verma**, Associate Professor

ASSIGNMENT IN ACADEMIC ASSOCIATIONS:

- **Dr. Sushruta Kathuria** . Reviewer for Pigment International from 2019-till date
- **Dr. Sushruta Kathuria** . Reviewer for Indian Journal of Dermatology, Venereology and Leprosy from 2019-till date
- **Dr. Geeti Khullar** . Executive Committee Member, Dermatopathology Society of India, from 2021-22
- **Dr. Geeti Khullar**, Member, Special Interest Group, Dermatopathology (IADVL), from 2020 -21
- **Dr. Geeti Khullar**, Member, Special Interest Group, Neglected Tropical Diseases (IADVL) from 2020-21
- **Dr. Geeti Khullar** . Section Editor, IJDVL from 2018- till date
- **Dr. Geeti Khullar** . Assistant Editor, IJDPDD from

2021- till date

- Dr. Sumathi Muralidhar . Member of Executive Committee-IASSTD&AIDS from 2019-2022
- Dr. Sumathi Muralidhar . Lead Assessor- NABL from 2014- till date
- Dr. Sumathi Muralidhar . Technical Assessor -NABL from 2011- till date
- Dr. Sumathi Muralidhar . Designated as Quality Manager for Regional STD Centre & SRL-HIV. from 16.12.2011- till date
- Dr. Sumathi Muralidhar . Ethics Committee of SJH – Designated as Member Secretary of IEC on 26.5.20 by MS. from 26.05.2020- till date
- Dr. Sumathi Muralidhar . Member of Technical Advisory Group (TAG) –NACO from 2017- till date.
- Dr. Sumathi Muralidhar . Member of Technical Resource Group-NACO from 2016- till date.
- Dr. Sumathi Muralidhar . Member of Technical Specifications Committee and Bid Evaluation Report meetings at NACO. from 2016- till date.
- Dr. Sumathi Muralidhar . Member of Technical Working Group (TWG)-NACO from 2016- till date.
- Dr. Sumathi Muralidhar . External member for Equipment Technical Specifications Committee at AIIMS, New Delhi. from 2016- till date.
- Dr. Sumathi Muralidhar . Coordinator for NABL Accreditation activities of all laboratories in VMMC & SJH. from 2018- till date
- Dr. Sumathi Muralidhar . Nodal Officer for ICTC -HIV Lab, SRL-HIV Lab and STI Lab at this Centre. from 2010 till date
- Dr. Sumathi Muralidhar . Nodal Officer for PGcounseling and UG counseling- from 2018-till date
- Dr. Sumathi Muralidhar . Member of Grievance redressal cell- atMoolchand hospital for DNB candidates, as external member from Govt. institution. from 25.10.2021- till date.
- Dr. Sumathi Muralidhar . Nominated as member of the Student Research Committee (SRC), by Dean of GGSIP University. from 13.10.2021- till date.

DISTINCTIONS ACHIEVED BY THE MEMBERS OF THE FACULTY

AWARDS:

- Dr. Sushruta Kathuria. Gold medal in Interministry weightlifting championship organized by central civil service cultural & sports board in 2021.
- Dr. Niti Khunger. Received the prestigious Dr TC Saikia memorial oration by the college Faculty: North East IADVL branch in 2021.
- Dr. Niti Khunger. Selected as Coordinator, IADVL Acne task force for the year 2021-2022 and conducted 10 CME on various aspects of Acne & Acne scars in 2021-22
- Dr. Niti Khunger Member of Executive Committee ACSI in 2019-22
- Dr. Niti Khunger. Reviewer for International & National Journals: Dermatology Therapy, IJDVL, IJD, IDOJ in 2021
- Dr. Sumathi Muralidhar. Recognition as PhD Supervisor by GGSIP University in 25th March 2021.
- Dr. Sumathi Muralidhar . Awarded a Certificate of Appreciation and a plaque by Medical Superintendent, VMMC & Safdarjung Hospital, New Delhi for outstanding contribution to "Entry Level NABH certification of Safdarjung Hospital"on 2.11.21
- Dr. Prashant Verma. Interministry powerlifting championship organized by central civil service cultural & sports board in 2020-21, Gold medal in bench press in 2020-21, Bronze medal in powerlifting in 2020-21 and Delhi state powerlifting championship 2021 gold medal in 2020-21

OTHER DISTINCTIONS

Dr. Sushruta Kathuria

Best letter to the editor award by IADVL 2021

Dr. Sumathi Muralidhar

- 2021- Reviewer for Journals of repute- IJMR; IJDVL; IJSTDAIDS
- 22nd – 24th January 2021- Attended the Online PIO Training - Internal Assessor course for NABH Accreditation.
- 6th March & 9th March 2021- Delivered lectures at the Online Blended Clinical Training Programme

for TOs and LTs, organized by NACO.

- 15th – 16th March 2021-Resource person in onsite Training workshop for SRL-TOs and Lts organized by NACO at Hotel Rockland

SEMINARS / CONFERENCES / WORKSHOPS / CMEs HELD IN THE DEPARTMENT.

- Organized the one day Online SRLEQAS Workshop for Training the LTs of 23 linked ICTCs in Delhi on 19th January 2021.
- Organized the Review meeting of Steering Committee for NABL Accreditation of Laboratories of VMMC & SJH, chaired by Medical Superintendent on 23rd February 2021.
- Three day Online STI workshop for linked Regional STD Centres and State Reference centres in India on 7th – 9th April 2021.
- Training of LTs of linked ICTCs to initiate the uploading of HIVEQAS data in NACO Prayogshala portal on 27th July 2021.
- Organized the Review meeting of Steering Committee for NABL Accreditation of Laboratories of VMMC & SJH, chaired by Medical Superintendent on 8th September 2021.
- Organized the Review meeting of Steering Committee for NABL Accreditation of Laboratories of VMMC & SJH, chaired by Medical Superintendent on 3rd December 2021.

SEMINARS / CONFERENCES / WORKSHOPS/ CMEs ATTENDED BY THE FACULTY:

Dr. Shikha Bansal

- E Dermacon –Invited faculty –Whats new in nail. Feb 2021.
- STI skill building workshop-panel discussion -case based scenario.
- Annual Cuticon IADVL Delhi State Branch -Invited faculty for panel discussion- Practice gaps in Dermatology – Pertaining to Immunosuppressives.
- Helped in Organizing DSACS sponsored three -day online Capacity Building Training in management of STIs/ RTIs, a national level workshop with more than 300 participants, for medical colleges, clinicians, technicians and counsellors from 7th to 9th April 2021.
- Attended Revised Basic Course Workshop -

30/31 march, 1st April 2021.

Dr. Aradhana Bhargava

- Organized training program on implementation (POI) of NABH 5th edition standards in collaboration of NABH for faculty and staff as a part of core committee of Quality Cell (NABH), VMMC & Safdarjung Hospital from 22nd to 24th January 2021.
- Organized training on "Fire and Life Safety in Hospital" from 12th -13th March 2021 by Centre for Disaster Management studies (CDMS), Guru Gobind Singh Indraprastha University for members of Disaster Management Team (Fire) on 12th and 13th March 2021.
- Organized DSACS sponsored three-day online Capacity Building Training in management of STIs/ RTIs, a national level workshop with more than 300 participants, for medical colleges, clinicians, technicians and counsellors from 7th to 9th April 2021.

Dr. Sushruta Kathuria

attended STI Workshop(Online) from 7th to 9th April 2021

Dr. Geeti Khullar attended

- E-DERMACON 2021 (Online) from 5th to 7th February 2021
- STI Workshop (Online) from 7th to 9th April 2021
- SIG Dermatopathology CME by Gujarat State Branch (Online) on 2nd May 2021
- SIG Neglected Tropical Diseases CME by Gujarat State Branch (Online) on 23rd May 2021
- MID-CUTICON Delhi State Branch 2021 (Online) on 11th July 2021
- IADVL PG Class on MSM (Online) on 11th July 2021
- MID-DERMACON, Mangalore on 14th August 2021
- IADVL PG Class on Dermatopathology (Online) from 28th-30th October 2021
- IADVL PG Class on Dermoscopic -Histopathologic correlation (Online) on 23rd October 2021
- SIG Neglected Tropical Diseases CME by West

Bengal Branch (Online) on 12th December 2021.

- CUTICON, Delhi State Branch on 19th December 2021.

Dr. Sumathi Muralidhar

- Attended the International Conference of IUSTI held at Amsterdam as delegate (virtual). Was granted a Scholarship for this conference for my paper which was presented at the conference. 14th – 18th July 2021
- Invited panelist at 3day meeting organized by NACO to discuss NACP- phase –V-STI Surveillance and Epidemiology, at Shangri-La Hotel. 27th – 29th August 2021
- Invited speaker at eASTICON- National Conference of IASSTD & AIDS organized by Hyderabad zone-Topic- Extra-genital STI diagnosis. 12th September 2021
- Invited speaker in webinar organized by Wolters -Klower. Topic- Bacterial physiology. 14th September 2021
- Attended a webinar on HIV and STIs. 16th September 2021
- Invited expert speaker at Webinar organized by DSC- Topic- STDs and HIV/AIDS. 18th September 2021
- Resource person at Post HIV-HSS Meeting – Hotel Lemon Tree, Gurgaon. 4th – 5th October 2021
- Invited speaker at World AIDS Day symposium organized by Department of Medicine-SJH. 1st December 2021

RESEARCH: THESIS (ONGOING)

- Dr. Prakhar Srivastava. Nailfold Capillaroscopy as a Rapid Non- invasive Tool for Assessment of Microvascular Complications in Diabetes Mellitus. 2020- 23. (Guide- Dr. Niti Khunger & Dr. RK Duvesh).
- Dr. Prabin P. Dev. Evaluation of serum cytokine levels in dermatophytosis. 2020-23. (Guide- Dr. Shikha Bansal & Dr. Aradhana Bhargava).
- Dr. Sonal Nagia. Clinico-etiological study of urethral discharge syndrome in patients attending sexually transmitted infections. 2020-23. (Guide- Dr. Prashant Verma & Dr. Aradhana Bhargava).

- Dr. Neha Yadav. Evaluation of dermoscopic features of entire spectrum of leprosy. 2020-23. (Guide-Dr.NitiKhunger& Dr.AmitYadav).
- Dr. Kanupriya Kapil. Evaluation of clinical profile in severe cutaneous adverse drugs reactions. 2020 -23. (Guide- Dr. Poonam Puri).
- Dr. Madhavi Kirti. Clinico-syndromic validation of aetiological diagnosis of genital discharge diseases in patients attending sexually transmitted infections clinics. MD Microbiology. 2019-2022. (Guide-Dr. Sumathi Muralidhar)

RESEARCH: THESIS (COMPLETED)

- Dr. Rinku Gujar. Dermatological adverse reaction to chemotherapeutic agents. 2019-22. (Guide-Dr. Poonam Puri).
- Dr. Chetan Kumar. To study the role of real time polymerase chain reaction in diagnosis of herpes genitalis. 2019-22. (Guide- Dr. Poonam Puri & Dr. Sumathi Muralidhar).
- Dr. Ankur Lal. Cutaneous and systemic bacterial infections and their antimicrobial. 2019-22. (Guide-Dr.Niti Khunger).
- Dr. Neha Chauhan. Human papilloma genotypes in virus clinical forms of external anogenital warts : A study of clinical and dermoscopic features with HPV genotyping in external anogenital warts. 2019-22. (Guide-NitiKhunger & Dr. Sumathi Muralidhar)
- Dr. Divyashree. Serum cytokines level in patients of hyperkeratotic hand eczema & chronic plaque psoriasis with hand involvement. 2019-22. (Guide- Dr. T C Arora)
- Dr. Raksha (OBG). Effect of various contraceptive methods on Vaginal microbiota. 2019-22. (Guide-Dr.SumathiMuralidhar).

FUNDED SPECIAL GRANTS/PROJECTS DURING THE YEAR (ONGOING):

- Dr. Sumathi Muralidhar. GSK Gepotidacin GC in vitro Global Surveillance study. Ongoing. Will be completed in December 2022. 2018-2022. Granted by IHMA. \$ 8000/-

PUBLICATIONS OF FACULTY/ RESIDENTS

- Khunger N, Pant H. Cosmetic Procedures in Adolescents: What's Safe and What Can Wait. -

- Indian Journal of Paediatric Dermatology. 2021;22(1):12-20.
- Sharma A, Shamsunder S, Khunger N, Khanna G, Zutshi V. Chronic vulval symptoms: comparison of various diagnostic methods. *Int. J. Adv. Res.* 2021. 9(02), 310-314.
 - Bhandari M, Kathuria S, Khunger N, Sharma B. Mycetoma due to *Nocardia Africana/Nova* treated successfully with cotrimoxazole and moxifloxacin. *Indian Dermatol Online J* 2021;12:298-301.
 - Mehrotra K, Khunger N, Sharma S, Muradia I, Chakravarty P, Kathuria S. Tufted angioma with coagulopathy: a dermoscopic evaluation and successful treatment. *Int J Dermatol.* 2021 Sep;60(9):e379-e381.
 - Khunger N, Khullar G, Mann KK, Yadav AK. Generalized erythematous and hypopigmented papules and nodules in a young female. *Indian J Dermatol Venereol Leprol.* 2021 Apr 23:1-5.
 - Agarwal M, Khunger N, Sharma S. A dermoscopic study of cutaneous warts and its utility in monitoring real-time wart destruction by radiofrequency ablation. *J Cutan Aesthet Surg* 2021;14:166-71.
 - Doley P, Yadav G, Gupta M, Muralidhar S. Knowledge, health seeking behavior and barriers for treatment of reproductive tract infections among married women of reproductive age in Delhi. *International Journal of Reproduction, Contraception, Obstetrics and Gynecology.* 2021;10 (2):591-596.
 - National CD4 testing guidelines revision Committee-(NACO)- 3rd August 2021- Member of the Revision committee. Contributed Chapters 1,2 and 5 to the National guidelines published by NACO.
 - Bansal S, Verma P. Study of pigmentary disorders of skin associated with underlying chronic liver disease. *Int J Dermatol Venereology Leprosy Sci* 2021;4(2):09-12.
 - Verma P, Bansal S, Kishore S, Saxena A, Bhargava A, Khunger N. Trends of sexually transmitted infections in a tertiary care center: A 5 year's analysis. *Int J Dermatol Venereology Leprosy Sci* 2021;4(2):13-17.
 - Grover C, Bansal S. Nail changes associated with pigmentary disorders. *Pigment Int* 2021;8:76-85
 - Nanda S, Bansal S, Lakhani R. Use of Hyaluronic acid fillers in treatment of peri ocular melanosis induced by shadow effect of tear trough deformity: Anatomical considerations, patient satisfaction and management of complications. *J Cosmet Dermatol.* 2021 May 24.
 - Nanda S, Bansal S, Lakhani R. "Safety and efficacy of photofacial in Indian skin-A study on 82 patients". *J Cosmet Dermatol.* 2021 Jun 6.
 - Grover C, Nanda S, Bansal S. Efficacy of fractional CO2 laser in onychomycosis: A clinical evaluation. *Indian Dermatol Online J* [Epub ahead of print] [cited 2021 Aug 30]
 - Lakhani R, Khullar G, Sharma S, Saxena AK, Bhargava A. Verrucous Bowen's disease on the hand successfully treated with prolonged course of topical 5% 5fluorouracil. *Dermatologic Therapy.* 2021;34:e14614.
 - Chhabra G, Verma P, Khunger N. Refractory Pemphigus Herpetiformis in a Child Responsive to Intravenous Cyclophosphamide Pulse. *Skinmed.* 2021;19:226-227
 - Chhabra G, Verma P. Autologous Platelet-Rich Plasma Therapy in the Treatment of Nonhealing Hypertrophic Lesions of Pemphigus. *Skinmed.* 2021;19:77-78.
 - Chhabra G, Verma P. Angiokeratoma Circumscriptum Naeviforme on Trunk. *J Cutan Med Surg.* 2021 May 12:12034754211016289.
 - Mehrotra K, Bhandari M, Khullar G, Sharma S. Large Superficial Angiomyxoma of the Vulva -report of Two Cases with Varied Clinical Presentation. *Indian Dermatol Online J.* 2021;12:605-607.
 - Chhabra G, Verma P, Khullar G, Sharma S. Acroangiokeratosis, Mali and Stewart-Bluefarb type: two additional cases in adolescents. *Australas J Dermatol.* 2021;62:e156-e157
 - Khullar G, Chandra M, Bhargava A. Verrucous

- epidermoid cyst on the back containing high risk human papillomaviruses- 16 and 59. *Australas J Dermatol.* 2021;62:e133-e134.
- Chanana C, Khullar G. Visual Dermatology: Annular scaly plaques localized to acral sites. *J Cutan Med Surg.* 2021;25:643.
 - Talwar A, Khullar G, Talwar K, Agarwal D, Chandra M. Violaceous annular plaques on the abdomen in a middle-aged woman. *Int J Dermatol.* 2021;60:e211-e213.
 - Chhabra G, Khullar G, Ramesh V, Sharma S. Linear figurate plaques with hemorrhagic bullae and ulceration on the leg. *Int J Dermatol.* 2021;60:e132-e-134.
 - Khullar G. Comment on "Sirolimus as combination rescue therapy with tumor necrosis alpha inhibitors for severe, refractory hidradenitis suppurativa". *J Am Acad Dermatol.* 2021;84:e265-e266
 - Kanoje PK, Khullar G, Yadav AK, Saxena AK, Gupta DK. Generalized leukemia cutis as the initial manifestation of precursor-B-cell acute lymphoblastic leukemia in a young male. *Dermatol Ther.* 2021;34:e14594.
 - Muradia I, Khullar G, Sharma S, Kolte S. Case Report: A Case of Tuberculosis with Psoriasiform Lichen Scrofulosorum Exhibiting Koebner's Phenomenon followed by Scrofuloderma. *Am J Trop Med Hyg.* 2021;105:630-632..
 - Khullar G, Das A. Eponymous dermatological contributions linked to Josef Jadassohn. *Indian J Dermatol VenereolLeprol.* 2021;87:881-882.
 - Khullar G, Ramesh V. Visual Dermatology: Adult Onset Orbital Xanthogranuloma. *J Cutan Med Surg.* 2021;25:207.
 - Mittal S, Khullar G, Sharma S. Erythematous to Bluish Nodule on the Face in a Young Male. *Indian Dermatol Online J.* 2021;12:652-654.
 - Lakhani R, Khullar G, Sharma S. An unusual case of co-localization of proliferating trichilemmal tumor and seborrheic keratosis. *Indian J Dermatol VenereolLeprol.* 2021;87:551-554.
 - Co-editor of Newsletter of SIG Dermatopathology- June 2021
 - Mehrotra K, Khunger N, Sharma S, Muradia I, Chakravarty P, Kathuria S. Tufted angioma with coagulopathy: a dermoscopic evaluation and successful treatment. *Int J Dermatol.* 2021;60:e379-e381.
 - Bhandari M, Kathuria S, Khunger N, Sharma B. Mycetoma due to *Nocardia Africana/Nova* Treated Successfully with Cotrimoxazole and Moxifloxacin. *Indian Dermatol Online J.* 2021;12:298-301.
 - Bhandari M, Kathuria S, Khunger N. Etiology of contact dermatitis on face in Indian patients. *Global J Res Anal* 2021; 10: 1-2

BOOK CHAPTERS

- Khunger N, Gupta J, Chanana C. Basics of peeling and glycolic acid peel in 3rd edition of the ACSI textbook of Dermatotomy and Aesthetic Dermatology. Chapter 83. Eds Chatterjee M. In Press.
- Khunger N, Lakhani R, Panesar G. Chemosurgery. 3rd edition of the ACSI textbook of Dermatotomy and Aesthetic Dermatology. Chapter 69. Eds Chatterjee M. In Press.
- Khunger N, Goel A. Complications of Vitiligo Surgery. Chapter 43 in 3rd edition of the ACSI textbook of Dermatotomy and Aesthetic Dermatology. Eds Chatterjee M. In Press.
- Khunger N, Chanana C. Chemical peels in Essentials for Aesthetic Dermatology in Ethnic Skin: Practice and Procedure " Eds Sachdev M, Khunger N. Taylor & Francis. In press.
- Niti Khunger, Anuradha Bishnoi, Anuradha Jindal, AswathRajan. Hyperpigmented dermatosis. In IADVL Atlas of Dermoscopy.
- Khunger N, Kumar A. Chemical peels. In post graduate textbook in dermatology.
- Paliwal P, Khullar G, Sinha S. Dermatopathology. In: Compendium of Dermatology for Examinations (Kabir Sardana, Surbhi Sinha, Seema Rani, eds), 2nd edn. CBS Publishers, 2021: 874-888
- Dhatarwal N, Khullar G. Therapy for Psoriasis in

Pregnancy. In: Handbook of Psoriasis (Manjunath Shenoy, Anupam Das, eds), 1st edn. Knowledge Bridge Pvt. Ltd.

- Kathuria S, Anand P. Neonate born to mother with pemphigus vulgaris. In:Deorari A, Parekh BJ. Editors, Textbook of Clinical Neonatology.1st Edition. Jaypee Brother Medical Publishers, Delhi. 2021. P416-19.

GUEST LECTURES DELIVERED BY THE FACULTY.

Dr. Niti Khunger

- Targeted approach to Acne Scars in E DERMACON organized by IADVL on 31.1.2021.
- Workshop on procedural treatments in acne scars in E DERMACON organized by IADVL on 31.1.2021.
- Subcision in acne scars in E DERMACON organized by IADVL on 31.1.2021.
- Acne in adults, webinar organized by IADVL Acne task Force, on 12.2.2021.
- Dermoscopic assessment of therapy in dermatology in IADVL Dermoscopy workshop organized by IADVL on 21.2 2021.
- Approach to a patient with anogenital warts. Workshop on STI, 7-9 April 2021.
- Skin and Soft tissue infection, 26.5.2021.
- Periocular and perioral melanosis, Derma Medecon, 4.6.2021.
- Procedures in active acne, Derma Medecon, 4.6.2021.
- Vascular lesions in children, IADVL Kerala, 13.6.2021.
- Complications of Vitiligo Surgery. IADVL Odisha Branch, 18.6.2021.
- Chemical peels in acne. Webinar organized by the International Peeling Society, 29.6.2021.
- Relevance of HPV typing. 17th World Congress, organized by International Federation of Cervical Pathology and Colposcopy, 5.7.2021.
- Biofiller for acne scars. webinar organized by DASIL, 10.7.2021.
- Sclerotherapy-An underutilized modality, in MIDCUTICON Delhi, 11.7.2021.
- Injectable technique for post burn contracture, webinar organized by DASIL, 11.7.2021.
- Chemical peels in active acne, webinar organized by IADVL Acne task Force, on 25.7.2021.
- Management of acne scars- Assessment & Combination techniques in P Procedural Training program, organized by IADVL 29.8.2021.
- Gems in Acne scar surgery, ACSICON, organized by Association of Cutaneous Surgeons of India, 3 -4 September 2021.
- Fat grafting for atrophic scars, ACSICON, organized by Association of Cutaneous Surgeons of India, 3-4 September 2021.
- Pediatric acne. Organized by IADVL Acne task force, 19.9.2021.
- Subcision for acne scars, organized by IADVL Acne Task Force, 3.10.2021.
- Chemical peels-How I do it, Video paper organized by 20.10.2021.
- Scar Revision-What's new, MID_DERMACON organized by IADVL, Mangalore, 28.10.2021.
- Procedures in severe active acne, MID_DERMACON organized by IADVL, Mangalore, 28.10.2021.
- Targeted approach to acne scars, MID_DERMACON organized by IADVL, Mangalore, 28.10.2021.
- Workshop on chemical peels, organized by Bangladesh Academy of Dermatology, BADCON, at Dhaka, Bangladesh, 15 November 2021.
- Advances in the management of hemangiomas&vascular malformations organized by Bangladesh Academy of Dermatology, BADCON at Dhaka, Bangladesh, 14-15 November 2021.
- Vulval Dermatoses, webinar organized by Association of Gynecologic Oncologists of India, 18.11.2021.
- Treating the Untreatable- How I managed my challenging patients and The lessons I learnt. Delivered the prestigious TC Saikia Oration by Northeast CUTICON, 27.11.2021.
- Fat transfer for acne scars, Webinar organized by IADVL Acne task force, 28.11.2021.
- Virtual PG exams in Medical Education, Gujarat CUTICON, 12.12.2021.
- Unboxing the metabolic syndrome in Rajasthan

CUTICON, 18-19 December, 2021.

Dr. Aradhana Bhargava

- Invited as a panelist in 17th World Congress for Cervical Pathology & Colposcopy IFCPC India 2021 Virtual World Congress from 1st to 5th July 2021.
- Invited as a panelist at Mid Cuticon E conference 2021 by Indian Association of Dermatologists, Venereologists and Leprologists (Delhi State Branch) in the Panel Discussion on Challenging Scenarios in STI on 11th July 2021.
- Invited as a faculty by HISICON 2021, XVII Annual Conference of Hospital Infection Society- India, for a pre-conference workshop "Biosafety In Public Health Laboratories/ Health Care setting" on the theme-Healthcare Associated Infections Addressing Challenges and unfolding of solutions held on 28th July 2021.
- Invited National Health Systems Resource Centre, Technical Support Institution with National Health Mission, Ministry of Health & Family Welfare, Government of India, to give a talk on "FireSafety" during National Webinar for "Patient safety week" on 16th September 2021.
- Invited to chair the session on "Screening Procedures for Cervical Cancer- HPV Testing" at Pre-Conference Workshop for Protocols & Procedures for Cervical Cancer Prevention (Video Workshop), 43rd Annual AOGD Conference of The Association of Obstetricians and Gynaecologists of Delhi, on 18th November 2021.

Dr. Geeti Khullar

- Speaker on "Interesting clinicopathological case" in e-DERMACON 2021
- Moderator for panel discussion on "Extragenital discharges: An unexplored territory" in STI e-Workshop 2021 by VMMC and Safdarjung Hospital, Delhi
- Quiz Master for IGNOU 2021, UP and UK state branch
- Speaker on "Non-infectious granulomas" in SIG Dermatopathology CME by Gujarat State Branch (Online)
- Speaker on "Challenges in management of

cutaneous leishmaniasis" in SIG Neglected Tropical Diseases CME by Gujarat State Branch (Online)

- Panelist in "STD case discussion" in MID-CUTICON Delhi State Branch 2021 (Online)
- Moderator in panel discussion in IADVL PG Class on MSM (Online)
- Speaker on "Not so innocuous cutaneous nodules" in MID-DERMACON, Mangalore
- Speaker on "Special stains" in IADVL PG Class on Dermatopathology (Online)
- Speaker on "Onychoscopy" in IADVL PG Class on Dermoscopic- Histopathologic correlation (Online)
- Speaker on "Interesting case" in SIG Neglected Tropical Diseases CME by West Bengal Branch (Online)
- Panelist in panel discussion on "Connective tissue diseases" in CUTICON Delhi State Branch

GUEST LECTURES ORGANIZED BY THE DEPARTMENT

Online CME on scalp biopsy was conducted on 25th November, 2021. Guest speakers from Mumbai delivered the lectures.

EXTERNAL ASSIGNMENTS OF SIGNIFICANCE

Dr. Sumathi Muralidhar is member of following expert panels-

- Expert member in Selection panel for various posts hired by NACO.
- Member of Technical Resource Group-NACO
- Member of Technical Advisory Group-NACO
- Member of Technical Working Group-NACO
- Member of Technical Specifications Committee-NACO.
- Member of Expert panel for STI Surveillance activities-ICMR.
- As Quality Manager, Dr. Sumathi Muralidhar was the nodal person for 18th – 19th May 2021- NABL Re-assessment audit in virtual mode. Subsequent to this audit the laboratory was granted renewal of NABL accreditation from 1.6.21 to 31.5.23.
- March 2022- GC-EQAS carried out (Panels sent) to 17 centres across India.
- Organised the Re-testing HIV EQAS for all the linked ICTCs four times in 2021-22 (Quarterly

-Jan-Apr-Jul-Oct).

SIGNIFICANT FACILITY CREATED IN THE CURRENT YEAR

- Enrolled for participation in International Quality Control of Molecular Diagnostics (QCMD) for Molecular laboratory of this department (PCR).

SOCIAL/PUBLIC SERVICE DONE BY THE DEPARTMENT

- Regular STD Mobile team visits rural parts of Delhi- Fatehpur Beri, Palam and Najafgarh districts on all working Mondays, Wednesdays and Fridays, respectively.
- Leprosy day, Vitiligo Day and Psoriasis Day were celebrated in association with the National Body (IADVL) to educate the public about these common disorders.
- Public lectures on common skin problems are done by senior residents every Thursday during OPD hours.
- The patients are educated on the treatment and myths prevailing around Vitiligo and leprosy through displayed pictures in the hospital. A functional TV in the OPD gives information about common skin diseases.

BRIEF WRITE UP ON DISTINCTIONS ATTAINED IN SPORTS AND EXTRA CURRICULAR ACTIVITIES AT THE UNIVERSITY OR INTER-UNIVERSITY LEVEL BY THE STUDENTS.

- Mr. Rattan Singh Rana, Health Educator of this department, won gold medals in National and Asian championships for power lifting.
- Dr. Sumathi Muralidhar won third prize in Singing competition, at VMMC & SJH Cultural club events.
- Dr. Premlata, 1st prize in table tennis singles at VMMC & SJH, Sports meet
- Dr. Neha Kumar, Silver medal in inter ministry bench press championship & Bronze medal in interministry powerlifting championship.
- Dr. Payal, won second prize in Antakshari at VMMC faculty sports & cultural meet & was part of the winning women's cricket team.
- **DISTINCTIONS ATTAINED BY STUDENTS/ RESIDENTS**
- **Dr. Prakhar Srivastava-** HIV World Congress Scholarship by the IUSTI (International Union Against Sexually Transmitted Infections), 2021



Sitting (L to R): Dr. R. K. Anand, Dr. Sunil Dayal, Dr. Premlata, Dr. Niti Khunger, Dr. Sumathi Muralidhar, Dr. Sanchita Karmakar, Dr. Charan Singh, Dr. Prashant Verma

Standing (L to R): Dr. A.K. Saxena, Dr. Krati Dewan, Dr. Shikha Bansal, Dr. Geeti Khullar, Dr. Avneet Monga, Dr. Neha Kumar, Dr. Payal, Dr. Sushruta Kathuria, Dr. Dhaarna Wadhwa, Dr. Santosh Rajan

Department of Endocrinology

PRELUDE

- Patients seen in the OPDs- 28312
- Inpatient admission- 473
- Tests done in Endocrine Lab- 22859
- Referrals seen from another departments- 2884

FACULTY

- **Dr. Purnima Agarwal**, Assoc. Prof.
- **Dr. Krishna Biswas**, Prof. & HOD
- **Dr. Subhajit Dhar**, CMO
- **Dr. Kamran Faisal**, CMO (NFSG)
- **Dr. Radhika Jindal**, Assoc. Prof.

SEMINARS / CONFERENCES / WORKSHOPS

/CMEs ATTENDED BY THE FACULTY

Dr Purnima Agarwal

- Attended Endo Update 2021- Puberty; Virtual from 9-10 October 2021
- Attended 12th Annual Endocrine Summit, India; Virtual from 23-24 October 2021

Dr Krishna Biswas

- Attended eENDOCON 2021 (online conference on Pediatric Endocrinology in association with

- IAP, Delhi) from 17-18 December 2021 (as Faculty)

Dr Radhika Jindal

- Attended 4th Annual Conference of the Society for Promotion of Education in Endocrinology and Diabetes (SPEED); Cyber SPEEDCON 2021 from 20-21 February 2021 (as Faculty)
- Attended Endo Update 2021- Puberty; Virtual from 9-10 October 2021
- Attended 12th Annual Endocrine Summit, India; Virtual from 23-24 October 2021

RESEARCH: THESIS (ONGOING)

- Dr. Nitesh Baudh- Assessment of glycemic variability using continuous glucose monitoring system in patients with PCOS from 2020-2022 (Guide-Dr Krishna Biswas)
- Dr. Nisha- Bone mineral parameters in patients with hypopituitarism of varied etiologies from 2020-2022 (Guide-Dr Krishna Biswas)

RESEARCH: THESIS (COMPLETED)

- Dr. Rahul Chauda- Target height attainment in children with type 1 Diabetes Mellitus diagnosed prepubertally from 2019-2021 (Guide- Dr Krishna Biswas)
- Dr. Abhishek Prakash- Follow up study of thyroid status after delivery in cases of subclinical hypothyroidism diagnosed during pregnancy from 2019-2021 (Guide- Dr Krishna Biswas)

PUBLICATIONS OF FACULTY/ RESIDENTS

- Dutta D, Jindal R, Mehta D, Khandelwal D, Sharma M. Efficacy and safety of novel sodium glucose cotransporter-2 inhibitor remogliflozin in the management of type 2 diabetes mellitus: A systematic review and meta-analysis. *Diabetes Metab Syndr.* 2021 Nov-Dec;15(6):102315.
- Dutta D, Jindal R, Kumar M, Mehta D, Dhall A, Sharma M. Efficacy and Safety of Once Weekly Thyroxine as Compared to Daily Thyroxine in Managing Primary Hypothyroidism: A Systematic Review and Meta-Analysis. *Indian J Endocrinol Metab.* 2021 Mar-Apr; 25(2):76-85.

CHAPTERS IN BOOKS

- Wangnoo SK, Jindal R (2021). Postpartum Management of a Patient with Diabetes in Pregnancy. In Dheeraj Kapoor, Sanjay Kalra (Ed.), *Diabetes in Pregnancy-A Comprehensive Approach* (pp 232-239), Salubris Medical Publishers, Noida. ISBN (13): 9788194558170

EXTERNAL ASSIGNMENTS OF SIGNIFICANCE

- Dr. Krishna Biswas, Prof & HOD has been the

chairman of project review committee for adhoc research scheme of ICMR in the area of 'Obesity & Metabolic syndrome & chronic diseases.'

NEW COURSES / SUBJECTS INTRODUCED DURING THE YEAR

- Dr. NB (Endocrinology) course started in 2019 with two students/year. Second batch (2020-2023) of two Dr NB (Endocrinology) students joined in 2021 due to delayed admission for Covid pandemic.

ANY SIGNIFICANT FACILITY CREATED IN THE CURRENT YEAR

- Fully automated clinical chemistry analyzer and ISE' purchased in 2020 but could not be made functional due to COVID 19 pandemic, hasbeenmade functional in June, 2021

SIGNIFICANT ACHIEVEMENTS DURING THE YEAR

- In spite of COVID pandemic and consequent closure of the Superspeciality block with shifting of Endocrinology OPD temporarily to New OPD block, a total of 28312 patients were seen in the OPD in the year 2021, of which 5870 were new patients. In the Endocrinology lab, 22859 tests were done in the year 2021 despite limitations related to COVID pandemic.
- Our department is one of the reporting centers of collaborating Centre, AIIMS of the ongoing study by the ICMR(Registry of people with diabetes in India with Young Age at the onset).



**L to R: Dr Radhika Jindal, Dr Subhajit Dhar, Dr Krishna Biswas,
Dr Purnima Agarwal, Dr Kamran Faisal**

Department of Haematology

PRELUDE

Patient load in the facility

IPD admissions in the Department (Exclusively for Haematology)		
Year	Total Number of Patient admitted in the department	Total Number of General Patient admitted in the department
2021	532(IPD)+1350(DAY CARE) =1882	1882

FACULTY

- **Dr. Sumita Chaudhry**, Consultant & Associate Professor
- **Dr. Aditi Jain**, Assistant Professor
- **Dr. Ankur Jain**, Assistant Professor
- **Dr. Jitender Mohan Khunger**, Consultant, Professor & HOD
- **Dr. Sumita Saluja**, Consultant & Professor
Dr. Monica Sharma, Consultant & Associate Professor

FACULTY MEMBERS WHO LEFT THE DEPARTMENT

- **Dr. Pooja Prasad**, Assistant Professor
-

DISTINCTIONS ACHIEVED BY THE MEMBERS OF THE FACULTY, AWARDS

NABL Accreditation of Haematology Lab

External assessment for Accreditation was conducted online on dt. 04-09-2021 & awarded Accreditation of Haematology Lab for all major investigations by National Accreditation Board for Testing Calibration Laboratories (NABL) on dt. 12-01-2022.

SEMINARS /CONFERENCES /WORKSHOPS /CMES ATTENDED BY THE FACULTY

Dr JM Khunger attended online 'Hematocon' National conference, 2021

Dr Monica Sharma attended online 'Hematocon'

National conference, 2021

Dr Ankur Jain attended online 'Hematocon' Nation conference, 2021

RESEARCH: THESIS (ONGOING)

Dr. Harsha G

- Clinical phenotype of CD135 positive AML and its correlation with FLT3 mutation Ongoing 2021, (Guide- Dr Sumita Chaudhry)
- **Dr Naveen**
- Hypophosphatemia in iron deficiency anaemia patients treated with Ferric Carboxymaltose Ongoing 2021, (Guide- Dr Sumita Chaudhry)

RESEARCH: THESIS (COMPLETED)

- Dr Mohit-TNF alpha and IL-6 levels inpatients of CML and their correlation with early molecular response Completed in 2021, (Guide-Dr Sumita Chaudhry)
- Dr Priyanka-Association between plasminogen activator inhibitor 1 levels and outcome of acute coronary syndromes, Completed in 2021 (Guide-Dr Sumita Chaudhry)

PUBLICATION OF FACULTY /RESIDENTS

- Jain A, Sharma M, Mehta J. A young boy with stridor and bilateral Bell's palsy. Indian J Cancer. 2021 Jan-Mar;58(1):145-146.
- Jain A, Deo P, Sachdeva MUS, Bose P, Lad D, Prakash G, Khadwal A, Varma N, Varma S,
- Malhotra P. Aberrant expression of cytokines in polycythemia vera correlate with the risk of thrombosis. Blood Cells Mol Dis. 2021 Jul;89:102565.
- Malhotra P, Prasad H, Jain A, Gupta V, Varma N. Variables affecting the presence of occult cerebral microbleeds and subsequent spontaneous intracranial haemorrhage in adult patients with severe thrombocytopenia. Br J Haematol. 2021 May 7.
- Jain A, Sharma M, Khunger JM, Prasad P, Gupta DK, Saluja S, Chaudhry S. Acute lymphoblastic leukemia masquerading as acute myelofibrosis: a report of two cases and literature review. Blood Res. 2021 Mar 31;56(1):46-50.
- Association between plasminogen activator

inhibitor 1 levels and outcome of acute coronary syndromes, Completed in 2021

- Jain A, Khadwal A, Sachdeva MUS, Bose P, Lad D, Bhattacharya S, Prakash G, Malhotra P, Varma N, Varma S. Does Mesenchymal Stromal Cell Count in Pre-autologous Hematopoietic Stem Cell Transplant Peripheral Blood and Apheresis Product Predict for Infectious Complications in the Post-transplant Period? Indian J Hematol Blood Transfus. 2021 Jul;37(3):484-488.

GUEST LECTURES DELIVERED BY THE FACULTY:

- **Dr. J.M. Khunger** delivered guest lecture on topic "Role of Hb Electrophoresis" in National Conference HAEMATOCON, 2021 held online in November, 2021
- **Dr. J.M. Khunger** participated in Hybrid National Conference "Innovations in Oncology, 2021" as a Panelist in Panel Discussion on topic "Navigating Treatment Options for CLL Across the Disease Continuum" on 18th & 19th December, 2021.
- **Dr. Monica** delivered guest lecture on topic "Interpretation chromatograms in HbHPLC" in National Conference Haematocon 2021 held online in 2021

NEW COURSE /SUBJECTS INTRODUCED DURING THE YEAR

Applied for Dr NB (Clinical Haematology)

ANY SIGNIFICATION FACILITY CREATED IN THE CURRENT YEAR (New equipment/services) Started point-of-care testing of biochemistry parameters using DRY CHEMISTRY ANALYSER

SIGNIFICANT ACHIEVEMENTS DURING THE YEAR

The department of haematology catered a massive load of patients with haematological disorders, both benign and malignant during the last year. We had started point-of-care testing of biochemical parameters in our department. We had several publications in Indexed journals during this period. Two of our contractual faculties joined on the regular post this year. Our faculty participated in national annual conference of haematology as speaker and

panellists. We have applied for DrNB clinical haematology for the upcoming year.



L to R: Dr. Aditi, Dr. JM Khunger, Dr. Sumita Chaudhary,

Department of Medicine

PRELUDE:

The Department of Medicine is one of the largest Departments of Safdarjung Hospital & VMMC. The Department provides comprehensive health care to patients in Indoor and outdoor Departments. Round the clock emergency services are provided in Emergency Ward-A(NEB). Besides posting two physicians from the department of Medicine to VVIP duty every month, the department has to provide doctors for various disasters and Health Mela's & Amarnath Yatra etc. on regular basis. The Department is attached to V.M. Medical College and teaching MBBS and MD students. Department of Medicine is also running the special clinics for Geriatric patients, Rheumatology Clinic, Gastroenterology Clinic (G.E Clinic), Post Covid-19 & ART Centre. The Medicine Department is running two parallel medical OPDs for General patients and CGHS beneficiaries. The daily attendance is around (1000+600 patients). The medicine department is admitting nearly 90-110 patients each day, who are managed by one unit by rotation. During the time of outbreaks (i.e., Dengue,

H1N1, Gastrocclitis etc.) the staff of medicine departments manages patients in specially created wards. During Covid-19 epidemic, the Department of Medicine were managing the Sampling Unit, Fever Clinic, SARI Ward, Covid-19 (SSB ward) & Triage area.

TEACHING: MD students of VMMC, Post Graduate Teaching, Under graduate teaching of students of VMMC, Conducting Examinations of MBBS & MD Students of VMMC, Training of Junior & Senior residents.

Brief Overview of the Department (including services provided & Patient statistics)

Medicine OPD

- Patient seen in the OPD (Jan -Dec 2021): 195690
- In-patient admission (Jan to Dec. 2021): 25603

Various OPD's/Special Clinics OPD Days

Medical OPD	: Monday to Saturday
CGHS OPD	: Monday to Saturday

G.E. Clinic	: Tuesday
Rheumatology OPD	: Monday
Post Covid Clinic	: Wednesday
Sunday OPD/ (Geriatric OPD)	: Sunday

Undergraduate & Post Graduate Achievements & Research

TEACHING

- Post Graduate Teaching & Research
- Under graduate teaching of students of Vardhman Mahavir Medical College.
- Conducting Examinations of MBBS Students of VMMC.
- Conducting Examinations of MD students of VMMC.
- Teaching of Junior & Senior residents.

Programme running in the School/ Centre:

- MBBS : 170 students
- MD (Medicine) : 26 residents

FACULTY

- **Dr. Shivlok Narayan Ambedkar**, Assoc. Prof.
- **Dr. Abhishek Bhadani**, Assistant Professor
- **Dr. Sonal Burman**, Specialist Gr. – III
- **Dr. Ankur Chikara**, Assistant Professor (Adhoc)
- **Dr. Kapoor Ch. Choudhary**, Specialist Gr. – I
- **Dr. Nishant Dev**, Assoc. Prof.
- **Dr. A.K. Gandhi**, SAG Officer
- **Dr. Ashish Goel**, Specialist Gr. – II
- **Dr. Rakesh Kumari Gulia**, C.M.O
- **Dr. D.K. Gupta**, Consultant, Professor
- **Dr. Vinod Gupta**, HAG Officer
- **Dr. Vishnu Kr. Gupta**, C.M.O.
- **Dr. Geeta Kampani**, Consultant & Prof.
- **Dr. Paras Kathuria**, Assistant Prof.
- **Dr. Ashwani Kumar**, C.M.O
- **Dr. Binod Kumar**, C.M.O.
- **Dr. Vinod Kumar**, Prof.
- **Dr. Pushpa Kumari**, Prof.
- **Dr. B. Lall**, Consultant & HOD
- **Dr. Mahesh Lal**, Consultant & Prof.
- **Dr. Rupali Malik**, Prof.
- **Dr. Rajesh Manocha**, Consultant & Prof.
- **Dr. Sanjay Nalding**, Specialist Gr. – I
- **Dr. Moninder Narang**, Consultant & Prof.
- **Dr. Y.C. Porwal**, Consultant & Prof.

- **Dr. Ram Pratap Saini**, Consultant & Prof.
- **Dr. Shivani Sharma**, Assistant Professor
- **Dr. S.P Singh**, HAG Officer
- **Dr. Anish Singhal**, Medical Specialist Grade - II
- **Dr. Manisha BaisThakur**, Consultant & Prof.

NEW ADDITION TO THE FACULTY

- **Dr. Abhishek Bhadani**, Assistant Professor
- **Dr. Ankur Chikara**, Assistant Professor (Adhoc)
- **Dr. Ashwani Kumar**, C.M.O
- **Dr. Shivani Sharma**, Assistant Professor

Faculty members who left the Department

- **Dr. Sanjeev Bhalla**, HAG Officer, Superannuated
- **Dr. Arun Gogna**, Consultant Superannuated (VRS)
- **Dr. Sameer Gulati**, Professor, Transferred
- **Dr. Neelima Jain**, Consultant, Superannuated
- **Dr. N.S. Negi**, Consultant, Superannuated
- **Dr. Charanjit Singh**, Consultant, Superannuated
- **Dr. B.K. Tripathi**, Consultant, Superannuated

SEMINARS/CONFERENCES/WORKSHOP/CMSS HELD IN THE DEPARTMENT:

- CME on "Dengue" on 10.11.21 at old lecture theatre at 02:30 PM

SEMINARS/CONFERENCES/WORKSHOP/CMSS ATTENDED BY THE FACULTY

Dr. Rajesh Manocha

- Attended International Workshop on Diabetic Peripheral Nephropathy on 7th Feb. 2021

Dr. R.P. Saini

- Chairperson: DRA Annual Update 2021: "Rheumatology Beyond Joints" held at LHMC, New Delhi to chair the session.

RESEARCH: THESIS (COMPLETED)

- **Dr. Joban Preet Singh Deol**- Study of fibroblast growth factor-23 levels and its correlation with inflammatory markers in predialysis chronic kidney disease patients (Guide: Dr. P. Rajvanshi, Professor)
- **Dr. Rapaka Lakshmi Keerthi**- Study of Fibrinogen levels and platelet indices in type 2 diabetes mellitus (Guide: Dr. Abha Dua, Professor)
- **Dr. Ankit Singh Khuswah**- Profile of biochemical parameters of disordered mineral bone

metabolism in predialysis chronic kidney disease patients (Guide: Dr. P. Rajvanshi, Professor)

- Dr. Himanshu Dhiman- Study of serum – pleural effusion albumin gradient in differentiating transudative and exudative effusions in comparison to light's criteria (Guide: Dr. Rajesh Manocha, Professor)
- Dr. Pushan Banerjee- Study of sepsis induced coagulopathy in patients with and without shock (Guide: Dr. Charanjit Singh, Professor)
- Dr. Sandeep- Study of hyponatremia in sepsis and its correlation with sofa score (Guide: Dr. Charanjit Singh, Professor)
- Dr. Bodhi Sattya Roy Chaudhari- A Study of risk factors and coronary angiographic profile in young patients with acute coronary syndrome (Guide: Dr. Ram Pratap Saini, Associate Professor)
- Dr. Praveen Kr. Kaushal- The study of blood neutrophil-lymphocyte ration in cirrhosis of liver and its correlation with outcome in comparison ro meld and CTP score (Guide: Dr. M. B. Thakur, Professor)
- Dr. Jugnu Kant- A study of spot urinary Na/K ration in cirrhosis of liver (Guide: Dr. M. Narang, Professor)
- Dr. Ashok Kumawat- Health related quality of life in multiple myeloma patients (Guide: Dr. S.P. Kataria, Associate Professor)
- Dr. MithuBhowmick- Correlation of Novel Inflammatory Biomarkers with Severe Acute Pancreatitis (Guide: Dr. M. Lal, Professor)
- Dr. P. Sanjay Chakravarthy- Evaluation of correlation of cardiac function with duration of tyrosine kinase inhibitors therapy in patients of chronic myeloid leukaemia (Guide: Dr. D. K. Gupta, Professor)
- Dr. Sohini Chakraborty- Serum ferritin level correlation in metabolic syndrome (Guide: Dr. B.K. Tripathi, Professor & HOD)
- Dr. Aditya Srivastava- Study of Association between Serum Homocysteine Levels and Non-Alcoholic Fatty Liver Disease (Guide: Dr. B.K. Tripathi, Professor)
- Dr. Atul Mann - Study of Pulmonary

Hypertension in patients of chronic kidney disease on hemodialysis and not on hemodialysis (Guide: Dr. Geeta Kampani, Professor)

- Dr. Hiren Manohar Kalyani- Study of platelet indices in ischemic stroke and its correlation with severity of stroke (Guide: Dr. M. Narang, Professor)
- Dr. Shubham Tomar- Study of neutrophil to lymphocyte ratio and platelet to lymphocyte ratio as markers for predicting severity in hospitalized community acquired pneumonia patients (Guide: Dr. Smita Mohanty, Professor)
- Dr. Manish Kumar Verma- Study of mean platelet volume and red cell distribution width in non-alcoholic fatty liver disease (Guide: Dr. N.S. Negi, Professor)
- Dr. M. Kishan- To Study Correlation between Visceral Adiposity Index (VAI) and Hyperuricemia in adult males (Guide: Dr. Smita Mohanty, Professor)
- Dr. Priyanka Kumari- Study of Anemia in patients of Type 2 diabetes mellitus and its correlation with microvascular complications (Guide: Dr. Neelima Jain, Professor)
- Dr. Mayank Chawla- Comparison of risk factors and levels of inflammatory biomarkers in lean and obese non-alcoholic fatty liver disease patients (Guide: Dr. Y.C. Porwal, Professor)
- Dr. Patel Pranav Hiteshbhai- Prognostic significance of neutrophil count to mean platelet volume ratio (NMR) in patients of acute coronary syndrome (Guide: Dr. Rajesh Manocha, Professor)
- Dr. Vinoth Kumar- To Study the serum levels of IL22 in response to treatment in rheumatoid arthritis (Guide: Dr. Arun Gogna, Professor)
- Dr. Shreya Jain- Comparison of the quality of sleep before and after treatment in patients with ankylosing spondylitis (Guide: Dr. Arun Gogna, Professor)

RESEARCH: THESIS (ONGOING)

- Dr. Karvppusamy- Evaluation of TNF alpa, Interleukin 6 and Paraoxonase 1 in obese and non-obese metabolic syndrome (Guide: Dr. Y. C. Porwal, Professor)

- Dr. Yogesh Tanwar- Correlation of serum uric acid with severity of chronic obstructive pulmonary disease (Guide: Dr. Charanjit Singh, Professor)
- Dr. Sangameshwara Kalapur- Correlation of visceral adiposity index with visceral fat in obese patients with and without type 2 diabetes mellitus (Guide: Dr. Charanjit Singh, Professor)
- Dr. Gulshan Kumar- Study of correlation of serum calcium level with disease severity in dengue patients (Guide: Dr. R. P. Saini, Assoc. Prof.)
- Dr. Adhip Arora- Nephron index [urinary phosphate: serum FGF23 ratio]- a marker for atherosclerosis in diabetic predialysis CKD patients (Guide: Dr. Rajesh Manocha, Professor)
- Dr. Bhoor Singh- Neutrophil lymphocyte ratio and platelet lymphocyte ratio in COPD and its correlation with clinical outcome (Guide: Dr. Geeta Kampani, Professor)
- Dr. Rashmi Chaudhary- Correlation of FGF 23 and Malnutrition in chronic kidney disease patients on maintenance hemodialysis (Guide: Dr. Rajesh Manocha, Professor)
- Dr. Renu Kumawat- Correlation of IL-6, 25 OH-vitamin d levels and endothelial progenitor cells with carotid intima media thickness in rheumatoid arthritis patients. (Guide: Dr. Sameer Gulati, Assoc. Prof.)
- Dr. Namita Kamra- Correlation of fibroblast growth factor 23 (FGF23) levels with disease severity in seropositive rheumatoid arthritis patients (Guide: Dr. Arun Gogna, Professor)
- Dr. Jagadeesan S- Clinical and etiological profile of Urinary Tract Infection among Diabetics and Non-Diabetics (Guide: Dr. B. K. Tripathi, Professor)
- Dr. Kapil Kr. Bahamania- Study of neutrophil to lymphocyte ratio in ankylosing spondylitis (Guide: Dr. Arun Gogna, Professor)
- Dr. Rashmiranjan Patra- Correlation of D-Dimer level in acute on chronic liver failure with short term mortality and its comparison with CTP and MELD score (Guide: Dr. M. B. Thakur, Professor)
- Dr. Avdhesh Kumar- Study of Clinical, Hematological and Molecular characteristics of patients of thalassemia and Hemoglobinopathies in Tertiary Care Hospital (Guide: Dr. D. K. Gupta, Professor)
- Dr. Faizudheen P- Study of plasma cystatin C as a marker of acute on chronic liver failure and mortality in patients with acutely decompensated liver failure. (Guide: Dr. M. B. Thakur, Professor)
- Dr. Shalini Kumari- Correlation between carotid intima media thickness and non-alcoholic fatty liver disease (Guide: Dr. Y. C. Porwal, Professor)
- Dr. M. Devendra Naik- Correlation of prognostic markers (CEA, CA19.9, neutrophil to lymphocyte ratio (NLR), and platelet to lymphocyte ratio (PLR) with progression free survival (PFS) in advanced or metastatic gall bladder carcinoma (Guide: Dr. S. P. Kataria, Assoc. Prof.)
- Dr. Ramandeep Singh- Correlation of frailty index with IL-6, HS-CRP, TNF-alpha and severity of COPD (Guide: Dr. M. Narang, Professor)
- Dr. Garima Kumar- Correlation of serum NT PRO BNP levels and myocardial index in asymptomatic type 2 diabetics for assessment of myocardial ischaemia (Guide: Dr. Mahesh Lal, Professor)
- Dr. Gaurav Singh- Role of Haemoglobin content of Reticulocytes (RET-He) To evaluate anaemia in patients with malignancies (Guide: Dr. Sumita Choudhary, Assoc. Prof.)
- Dr. Swamy S.M- Study of portal vein diameter and ratio of platelet count to spleen length in diagnosing esophageal varices in patients of cirrhosis of liver (Guide: Dr. B. K. Tripathi, Professor)
- Dr. Meghana S.- Correlation of amount of fibrosis as measured by Fibroscan with BARD score and NAFLD Fibrosis score in patients of Nonalcoholic fatty liver disease (Guide: Dr. B. K. Tripathi, Professor)
- Dr. Tanvi Umashree- 'Correlation of Vitamin D levels with Chronic Obstructive Lung Disease. (Guide: Dr. B. Lall, Assistant Professor)
- Dr. Ishan Garg- Study of platelet indices and inflammatory markers in sepsis (Guide: Dr. M. Narang, Professor)

On Going (2020-2023)

- Dr. Piyush Prabha Singh- Evaluation of Troponin I level in sepsis and Its correlation with sojeesocre and inflammatory marker (hs-CRP& TNF- α) (Guide: Dr. M. Narang, Professor)
- Dr. Sankha Gayen- Corelation of neutrophil lymphocyte ratio with serum procalcitonin as a marker of severity of sepsis (Guide: Dr. B. K. Tripathi, Professor)
- Dr. Anjali- Evaluation of platelet indices in stable chronic obstructive pulmonary disease. (Guide: Dr. M. Narang, Professor)
- Dr. UppulaSupriya- Leukocyte esterase reagent strip test as a tool for rapid bedside diagnosis of spontaneous bacterial peritonitis (Guide: Dr. B. K. Tripathi, Professor)
- Dr. Nikhil- Evaluation of neutrophil to lymphocyte ratio and platelet to lymphocyte ratio as predictors of severity in acute pancreatitis (Guide: Dr. Geeta Kampani, Professor)
- Dr. S. Chirath- Evaluation of red cell distribution and its ratio to total serum calcium as predictor of severity in acute pancreatitis (Guide: Dr. Geeta Kampani, Professor)
- Dr. Prayas Kumar Raghuwanshi- Correlation between fibroblast growth factor and left ventricular mass index in predialysis chronic kidney disease patients (Guide: Dr. Rajesh Manocha, Professor)
- Dr. Aditi Tripathi- Correlation of Serum Adiponectin and Leptin levels with eGFR in predialysis chronic kidney disease patients (Guide: Dr. Rajesh Manocha, Professor)
- Dr. Ajay Jain- Evaluation of Inflammatory Markers and Platelet Indices in Patients of Acute Coronary Syndrome and Compare with Severity of Disease (Guide: Dr. D. K. Gupta, Professor)
- Dr. Prarit Varshney- Prevalence of hyposplenism in Rheumatoid Arthritis and its relationship with disease activity- a cross sectional study (Guide: Dr. Sameer Gulati, Associate Prof)
- Dr. Jagtap Aniket Bapusaheb- Study on vitamin D levels in haematological malignancies and its correlation with severity of disease (Guide: Dr. D. K. Gupta, Professor & HOD)
- Dr. Shilpi Rani- Study of prevalence of dyslipidaemia and anaemia in newly diagnosed treatment naive HIV patients and it's correlation with CD4 cell count (Guide: Dr. D. K. Gupta, Professor & HOD)
- Dr. Anubhav Deswal- Evaluation of serum procalcitonin in stable COPD and acute exacerbation of COPD and its role in differentiating between bacterial and non-bacterial exacerbation (Guide: Dr. Rajesh Manocha, Professor)
- Dr. Vikram Tomar- CEA and CA-125 levels in patients with Unstable Angina, NSTEMI and STEMI and their correlation with CPK-MB (Guide: Dr. Mahesh Lal, Professor)
- Dr. Shikha Kumari- Association of carcinoembryonic antigen levels with acute ischemic stroke and its severity (Guide: Dr. Mahesh Lal, Professor)
- Dr. Sunita- Correlation between serum ferritin level and severity in acute ischemic stroke (Guide: Dr. B. Lall, Assistant Prof.)
- Dr. Gudinutla Priyanka- Association between plasminogen activator inhibitor-1 levels and outcome of acute coronary syndrome (Guide: Dr. Sumita Choudhary, Assoc. Prof.)
- Dr. Manoj Kumar- Association between klotho and cardiac abnormalities among patients with Predialysis chronic kidney disease (Guide: Dr. Vinod Chaitanya, Assoc. Prof)
- Dr. Sapna- Correlation between serum sodium level and severity of chronic liver disease (Guide: Dr. Y. C. Porwal, Professor)
- Dr. Anirban Kumir- Correlation between serum hepcidin level and stage of chronic kidney disease (Guide: Dr. Y. C. Porwal, Professor)
- Dr. Prashant Shankar- To evaluate correlation of serum copeptin with severity of liver cirrhosis (Guide: Dr. M. B. Thakur, Professor)
- Dr. Shubham- Comparative Evaluation of serum copeptin in Obesity with Non-alcoholic fatty liver disease (Guide: Dr. M. B. Thakur, Professor)
- Dr. Madhu Singh- Study of correlation of Lipid levels with disease activity in patients of rheumatoid arthritis (Guide: Dr. R. P. Saini, Assoc. Prof.)

- Dr. Rohil Jain- Lipid levels in patients of ICH bleed and increased severity. (Guide: Dr. R. P. Saini, Assoc. Prof.)
- Dr. Pasumarthy Sai Sri Harsha- Association of Mean platelet volume with HbA1c in Type II Diabetes melititus. (Guide: Dr. B.K. Tripathi, Professor)
- Dr. Mohit Sahu- TNF- α and IL-6 levels in patients of chronic myeloid leukaemia and their correlation with early modular response. (Guide: Dr. Sumita Choudhary, Assoc. Prof.)

On Going (2021-2024)

- Dr. Chinmaya Singh- Serum creatinine to cystatin C ratio in relation to fibrosis in NAFLD (Supervisor: Dr. M. Narang, Professor)
- Dr. NaziaBano- Serum Procalcitonin levels in acute Exacerbation of chronic obstructive pulmonary disease patients with or without noninvasive ventilation (Supervisor: Dr. M. Narang, Professor)
- Dr. Abhay Patel- Correlation of Hepcidin levels with inflammatory markers in different subtypes of myelodysplastic syndromes (Supervisor: Dr. D. K. Gupta, Professor)
- Dr. Yogesh Kumar- Platelet to lymphocyte ratio in varying degree of severity of acute ischemic stroke. (Supervisor: Dr. M. Narang, Professor)
- Dr. Prince Dhamija- Correlation of vitamin D and procalcitonin levels with severity of sepsis (Supervisor: Dr. M. Lal, Professor)
- Dr. Haresh Kumar Rawat- Metabolic syndrome in lean and non-lean non-alcoholic fatty liver disease (Supervisor: Dr. Y.C. Porwal, Professor)
- Dr. Deepak Kumar Meena- Correlation of Vit D levels with severity of acute ischemic stroke and in hospital outcome (Supervisor: Dr. M. Lal, Professor)
- Dr. Pushpendra Kushwaha- Association of Serum magnesium level with glycemic status and type2 diabetes complications (Supervisor: Dr. Y. C. Porwal, Professor)
- Dr. Nehal Patidar- Correlation of serum copeptin levels with acute ischemic stroke (Supervisor: Dr. Geeta Kampani, Professor)
- Dr. Nikhil Agrawal- Prevalence of moderately increased albuminuria and its correlation with glycemic status in prediabetic adults- A cross sectional study (Supervisor: Dr. Nishanth Dev, Assoc. Prof.)
- Dr. Prakshi Tyagi- Magnesium levels in adults with liver cirrhosis and its association with grade of hepatic encephalopathy (Supervisor: Dr. B. Lall, Assistant Prof. & HOD)
- Dr. Nimish Sandooja- Correlation of NT-proBNP levels with disease activity in patients of rheumatoid arthritis (Supervisor: Dr. R. P. Saini, Professor)
- Dr. Jay Salva- Prevalence of risk factors of cardiovascular disease in art naive HIV patients and their association with Cd4 count (Supervisor: Dr. Rupali Malik, Assoc. Professor)
- Dr. Ramyash Goyal- Study of neutrophil lymphocyte ratio in HIV patients and its correlation with CD4 count (Supervisor: Dr. Pushpa Kumari, Assoc. Professor)
- Dr. Dharan Kumar P- Thyroid profile and deep molecular response in patients of chronic myeloid leukaemia on tyrosine kinase inhibitor (Supervisor: Dr. D. K. Gupta, Professor)
- Dr. Anubhav Shami- Correlation of serum copeptin, c-reactive protein and procalcitonin levels with apache ii score in sepsis (Supervisor: Dr. M. B. Thakur, Professor)
- Dr. Rudra Sen- Correlation of serum copeptin and NTproBNP levels in heart failure (Supervisor: Dr. M. B. Thakur, Professor)
- Dr. Caroline Kharkongor- Correlation of serum magnesium with lactate levels in patients of sepsis and association of hypomagnesemia with severity of sepsis (Supervisor: Dr. Geeta Kampani, Professor)
- Dr. Aditi Suryavanshee- Liver fibrosis in patients of rheumatoid arthritis, on methotrexate therapy, using fibroscan (Supervisor: Dr. M. Lal, Professor)
- Dr. Patel Chirag Tulsibhai- Serum hepcidin level in diabetic chronic kidney disease and its correlation with serum iron profile (Supervisor: Dr. Vinod Chaitanya, Professor)
- Dr. Naveen- Hypophosphatemia in Iron

Deficiency Anemia patients with normal renal function test receiving parenteral ferric carboxymaltose therapy (Supervisor: Dr. S. Chaudhary, Assoc. Prof.)

- Dr. Simone Yadav- Study of serum NT-proBNP levels in community acquired pneumonia and its correlation with the severity (Supervisor: Dr. Y. C. Porwal, Professor)
- Dr. Harsha G- Clinical phenotype of CD135 positive acute myeloid leukemia and its correlation with FLT3 mutation (Supervisor: Dr. S. Chaudhary, Assoc. Prof.)
- Dr. Sourabh Mondal- HbA1C levels before and after parenteral iron therapy in Nondiabetic Iron Deficiency Anemia patients (Supervisor: Dr. D. K. Gupta, Professor)
- Dr. Sweta Anand- Correlation of pulmonary function with disease activity in patients of rheumatoid arthritis (Supervisor: Dr. R. P. Saini, Professor)

• PUBLICATIONS OF FACULTY/ RESIDENTS

- Srinivas S, Kumari P, Gupta DK. Utility of Panfungal PCR in the diagnosis of invasive fungal infections in febrile neutropenia. *J Family Med Prim Care*. 2021 Jul;10(7):2533-2540
- Dev N, Meena RC, Gupta DK, Gupta N, Sankar J. Risk factors and frequency of COVID-19 among healthcare workers at a tertiary care centre in India: a case-control study. *Trans R Soc Trop Med Hyg*. 2021 May 8;115(5):551-556.
- Dev N, Sankar J, Gupta N, Meena RC, Singh C, Gupta DK, Sen MK. COVID-19 with and without anosmia or dysgeusia: A case-control study. *J Med Virol*. 2021 Apr;93(4):2499-2504.
- Kumar D, Kampani G. Correlation of serum prolactin levels with severity of liver disease and its association with hepatic encephalopathy in patients of cirrhosis liver. Volume - 10, issue - 02, February – 2021.
- Mann A, Kampani G, Bansal S, Ranga S. Study of Pulmonary arterial hypertension in patients of chronic kidney disease stage 4 & 5. *J of the association of physicians of India* Vol 69, Issue No. 10, October 2021, 33-37.
- Satinder Deswal, RP Saini, Arun Gogna, BC Kabi.

Study of Serum Calprotectin Levels and its Correlation with the Disease Severity in Rheumatoid Arthritis. *JIACM* 2019; 20(3-4): 207-11

- Sahoo B, Malik R, et al. Media Parenting in Rural part of India and its impact on Children- a Cross-sectional Study (A Media-Parent Study). *International Journal of Contemporary Pediatrics*. Vol 8, No 2 (2021).
- Lanjiwar M, Kumari P, Khunger JM, Negi NS. A study of prothrombotic factors in human immunodeficiency virus-infected patients. *Indian J Med Spec* 2021; 12:142-6
- Chakravarthy Sanjay P, Kumari P, Gupta D, Bhowmick M, Naik M, Priyanka G. A study to evaluate cardiac function in patients on Imatinib therapy for CML-accepted for publication in *JOAH*.
- Chand MR, Agarwal N, Nishanth D, Jhuma S. Association of Serum Ferritin Levels with Metabolic Syndrome in India: a Cross-Sectional Study. *Maedica (Bucur)*. 2021 Mar;16(1):48-53.
- Aggarwal A, Raizada N, Chikara A, Gupta AK, Hariharan N. Lipid abnormalities in patients with newly diagnosed hypertension. *Int Journal of Health and Clinical Research*, 2021;4(18), 239-244.

GUEST LECTURES ORGANIZED BY THE DEPARTMENT:

- CME on "Dengue" on 10.11.21 at old lecture theatre at 02:30 PM

EXTERNAL ASSIGNMENTS OF SIGNIFICANCE:

Formation of National AEFI- Team (Covid-19 Vaccination-for expedited causality assessment of serious/severe AEFI Cases in India)

- **Dr. Sameer Gulati**, Professor
- **Dr. Rupali Malik**, Professor
- **Dr. Pushpa Kumari**, Professor
- **Dr. Nishanth Dev**, Assoc. Professor
- **Dr. Shivlok Narayan Ambedkar**, Assoc. Prof.
- **Dr. Paras Kathuria**, Assoc. Professor

ANY SIGNIFICANT FACILITY CREATED IN THE CURRENT YEAR:

- Started Post Covid Clinic on every (Wednesday)
- Management of Covid-19 patients (7A, 7B, 8A & 8B Ward) in SSB Complex.)
- Started Elderly Abuse Protection Centre at NEB.
- Started e-sanjeevani Medicine OPD (On-line)

SOCIAL/PUBLIC SERVICE DONE BY THE DEPARTMENT

- 02 Months Refresher Course for CRPF doctors in Medicine Department.

SIGNIFICANT ACHIEVEMENTS DURING THE YEAR:

- Every month Two Physicians are posted by rotation & posted at Prime Minister Office & residence.
- Doctors are posted to Hon'ble Supreme Court of India & Parliament Annex. every month.
- Doctors are posted at RR Camp- Republic Day Celebrations 2021.
- Doctors were deputed form medical care arrangements for 'Bharat Parv' at Red Fort in January 2021.
- Doctors were deputed to clinical and public

health teams in view of cyclonic disturbance in Bay of Bengal in September 2021.

- Doctors were deputed in Central Multi-Disciplinary Teams deployed to Kerala, Karnataka & Tamil Nadu in February 2021.
- Doctors were deputed in Central Multi-Disciplinary Teams deployed to Gujrat in February 2021.
- Doctors were deputed in Covid response teams and public health teams in Various State of India in April & May 2021.
- Doctors were deputed in Central Multi-Disciplinary Teams deployed to Maharashtra, Punjab and Chhattisgarh in April 2021.

OTHER ACHIEVEMENTS

- ART Clinic Project of NACO under Department of Medicine in Safdarjang Hospital
- Dengue cases were treated in Safdarjang Hospital in July to Nov. 2021.
- Swine Flu Cases were treated in Swine Flu Ward in 2021.
- Covid-19 Cases were treated in (Triage/SARI/SSB Block-7A, 7B, 8A & 8B Ward) in 2021.



Sitting Row (L to R): - Dr. Vinod Chaitanya, Dr. Geeta Kampani, Dr. Manisha Thakur,
Dr. Vinod Gupta, Dr. B Lall, Dr. Y C Porwal, Dr. R P Saini, Dr. Rajesh Manocha, Dr. M Lal
Standing (L to R) - Dr. Rupali Malik, Dr. Shivani Sharma, Dr. Sonal Burman, Dr. Pushpa Kumari,
Dr. Nishant Dev, Dr. Ankur Chikara, Dr. Ashish Goel, Dr. Shivlok Narayan Ambedkar, Dr. Sanjay Naiding, Dr.
Abhishek Bhadani

Department of Medical Oncology

Prelude

Founded in July 2008 to offer specialized medical oncology services, the department runs with an able and dedicated team of 5 member faculty, 3 Senior residents and 8 Junior residents. The outpatient clinic is held three times a week, and a 20-bedded ward and 15 beds in daycare serves the inpatients. The department has a total weekly OPD attendance of approximately 300-350 patients and takes in about 130-140 new cancer patients each month. The services offered include bone marrow aspirations, bone biopsies, pleural taps, ascitic taps, trucut biopsies, day care procedures and daycare chemotherapy.

FACULTY

Dr Monalisa Behara, SMO
Dr Bhoomika Gupta, CMO
Dr Kaushal Kalra CMO
Dr Ashish Kumar, SMO
Dr Mukesh Nagar, CMO
Dr Rajeev Sharma, Specialist and HOD

FACULTY WHO LEFT THE DEPARTMENT

Dr Vikash Talreja



**Sitting Row (L to R): - Mr Dinesh, Dr. Bhoomika Gupta, Dr. Kaushal Kalra
Dr. Mukesh Nagar, Dr. Monalisa Behera, Dr. Ashish Kumar**

Department of Nephrology

PRELUDE

Services Provided – Nephrology OPD, IPD, Hemodialysis, Hemodiafiltration (HDF), Peritoneal dialysis, Renal Transplant (Live related and cadaveric), Renal Laboratory, Plasmapheresis, Tunelled and non-tunelled dialysis catheter insertion, CAPD catheter insertion, Renal Biopsy, Renal Transplant OPD with free immunosuppressive medicines.

Statistics (2021)

- Nephrology OPD – 12,267
- Renal Transplant OPD - 474
- IPD – 1118
- Total Dialysis (non-covid) – 3,046
- COVID dialysis – 103
- Kidney Biopsy – 57
- Tunelled catheter insertion – 04
- Renal Transplants - 03

FACULTY

- **Dr. Himanshu**, Professor and Head
- **Dr Rajesh Kumar**, Associate Professor
-

NEW ADDITION TO THE FACULTY

- **Dr. Sahil Arora**, Assistant Professor (contract)
- **Dr. Renju Binoy**, Assistant Professor (contract)
- **Dr. Pallavi Prasad**, Assistant Professor
- **Dr. Sourabh Sharma**, Assistant Professor

PROMOTIONS

- **Dr. Himanshu**, Promoted to Professor

ASSIGNMENT IN ACADEMIC ASSOCIATIONS:

- **Dr Himanshu**, Executive Member of Delhi Nephrology Society 16 December 2021 to till date

DISTINCTIONS ACHIEVED BY THE MEMBERS OF THE FACULTY AWARDS

- **Dr Himanshu**, Awarded for outstanding and exemplary nephrology & dialysis services by Medical Superintendent, SJH. 15 August 2021

OTHER DISTINCTIONS

Dr. Himanshu

- Appreciation from Director General Health Services (DGHS) for contribution in development of National POST-COVID Nephrology sequelae

module.

- Successfully completed Basic Course in Biomedical Research, Sept-Dec 2021, with a score of 91%.
- Stood at 2nd place in Dance competition organized by Cultural Club, SJH.
- **SEMINARS / CONFERENCES / WORKSHOPS /CMEs HELD IN THE DEPARTMENT.**
- Patient and Staff Awareness program for Prevention of Kidney Disease on the occasion of World Kidney Day.11 March 2021

SEMINARS / CONFERENCES / WORKSHOPS /CMEs ATTENDED BY THE FACULTY

Dr Himanshu

- CiDAAP 2021: 4th Annual Conference of Interventional Nephrology as Faculty, held at Gurugram, Haryana, 24-25 September, 2021
- National Board Meeting for Finerenone on virtual platform as a panelist, 4th October, 2021
- Mid-Year E-DIATRANS Conference 2021 on virtual platform as Faculty & Speaker, 1st October 2021
- Annual conference of GRASP 2021 as Chairperson, at Aerocity, New Delhi, 4th Dec 2021
- Bi-Annual Conference - An update in Peritoneal Dialysis 2021 as Faculty, at Delhi, held on 4-5 December 2021

Dr. Rajesh Kumar

- Avatar Foundation for Cath Lab Workshop webinar, 19 Sep 2021
- ISN Webinar: MRAs in CKD: lessons from a scientist, an investigator, and a trialist 07.09.2021
- ISN - SRC PD Masterclass webinar 09-10 Oct 2021
- CIDAAP 2021 (Online) 24th September 2021
- ASN/ERA/ISN Kidney Ethics Webinar Series - Inequalities in uptake of Kidney Care: An Ethical Challenge 24-25 September 2021
- Grand Rounds in Pediatric Nephrology — an ISN-IPNA Sister Centers initiative: Pediatric Renal Genetics webinar 29.09.2021
- SRNMCON 2021 Conference (webinar) 01.10.2021
- ISN Webinar: MRAs in CKD: Amplification of the

presentation of the main results of the FIGARO trial 2nd to 3rd October 2021

- ISOT 2021, Kochi India (Virtual) 05.10.2021
- ISN-KDIGO Webinar: Glomerular Diseases Guideline - Part 2, 7-10 Oct 2021
- Nephrocon (Webinar) organised by Mumbai Kidney foundation 08.10.2021
- ISN-ISE Webinar: Bone Disease in CKD Part 2, November 3, 2021
- ISN-WIN India Webinar: Women and Nephrology in the Developing World 12 Nov 2021
- Grand Rounds in Pediatric Nephrology (ISN webinar) — an ISN-IPNA Sister Centers initiative: Infantile nephropathic cystinosis 01.12.2021
- Incremental PD - Personalized PD: ISN-ISPD Webinar December 3, 2021
- GRASP-21 on " SGLT-2 inhibitors to prevent CKD - Is the stage set even for non-diabetics" as Chairperson.04.12.2021
- ISN-Cochrane Webinar: Pharmacological interventions for heart failure in people with chronic kidney disease 06. Dec 2021
- ISN Frontiers Webinar: New insights into clinical management of C3G 09 Dec 2021
- ISN-KDIGO Webinar: BP Guidelines in CKD 10 Dec 2021
- 51st Annual Conference of Indian Society of Nephrology (ISNCON 2021) from 9th to 12th Dec 2021, Chennai, as faculty for chairing/judging the Poster presentation (online) 9th December 2021
- ISN-TTS Webinar: Global access to transplantation 14 Dec 2021
- ISN-ISE Webinar: practical aspects of the treatment of diabetic kidney disease. 15 Dec 2021

RESEARCH: THESIS (ONGOING)

- Radhe Shyam, MSc Nursing Student. A study to identify the factors that affect adherence to haemodialysis and evaluate the effectiveness of structured teaching program on "Self-care of haemodialysis patients" in terms of knowledge & practice among haemodialysis patients in selected hospital, New Delhi.2021-2022 (Guide-Dr Himanshu)

PUBLICATIONS OF FACULTY/RESIDENTS

- Bhattacharyya S, Jain N, Verma H, Sharma K. A cross-sectional study to assess NLR as a predictor of microvascular complications in Type 2 Diabetes mellitus patients. Journal of clinical and diagnostic research. 2021 Aug, Volume 15 (8): 59-62.
- Verma H, Chakrabarti U, Verma R. Statins after Renal Transplant. Textbook of Cardiology - Advances in Statin Therapy & Beyond in CVD (ASTC). 2021, First edition, Chapter 104, pg 565-568.

NEW COURSES / SUBJECTS INTRODUCED DURING THE YEAR –

- Training of CRPF doctors in nephrology and dialysis.

ANY SIGNIFICANT FACILITY CREATED IN THE CURRENT YEAR

- Bed side hemodialysis facility at NEB – ICU, CTVS – ICU, SSB – ICU, Respiratory ICU.
- Bed side hemodialysis facility for Covid 19 patients in COVID Block, SSB.
- Extension of hemodialysis timings from (9 am to 4 pm) to (9 am to 8 pm)
- Starting of Renal laboratory for emergency investigations of dialysis and renal transplant patients in Nephrology Dept.

NAMES OF THE STUDENTS/RESIDENTS WHO HAVE ATTAINED DISTINCTIONS IN VARIOUS UNIVERSITY EXAMINATIONS/NATIONAL OR INTERNATIONAL CONFERENCES

- Dr Uttayan Chakrabarty (SR) got selected in DM course at AIIMS, Jodhpur.
- Dr Vanisha Pundir (SR) got selected in DM course at AIIMS, Rishikesh.

SIGNIFICANT ACHIEVEMENTS DURING THE YEAR

The year 2021 is the year of Covid 19 Pandemic and it saw the deadly 2nd wave of covid 19. The Superspeciality block at SJH was converted into Covid Block and all superspeciality services were curtailed, but Dept of Nephrology was the only superspeciality dept that continued to provide full-fledged OPD, IPD, dialysis and renal transplant services in non-covid area at Old H Block extension along with nephrology and dialysis services at Covid Block, SSB. SJH was one of the few hospitals at NCR that started covid dialysis facility. Throughout the pandemic, the dialysis services at SJH (covid and non-covid) were not stopped even for a single day, when most of the dialysis centers across the NCR were shut down on account of covid pandemic. Academic activities went on smoothly despite increased clinical work due to pandemic and SRs got selected in DM courses. The efforts of the Dept were acknowledged both at Hospital



(L to R): Dr Anupam Agarwal, Dr Himanshu, Dr Saurabh Sharma

Department of Neurology

PRELUDE:

OPD	29439
IPD	254
ICU	11
Electrophysiology	1704

FACULTY

- **Dr. Shishir Kumar Chandan**, CMO (SAG) & Associate Professor
- **Dr. Neera Chaudhry**, Director Prof. & Head of Department
- **Dr. Divyani Garg**, Assistant Professor
- **Dr. Sanghamitra Laskar**, Associate Professor

New Addition to the Faculty

- **Dr. Divyani Garg**, Assistant Professor

APPOINTMENT OF FACULTY TO HIGHER POSTS / ASSIGNMENT OUT SIDE

PROMOTIONS

- **Dr. Shishir Kumar Chandan**, CMO (SAG) & Associate Professor

DISTINCTIONS ACHIEVED BY THE MEMBERS OF

THE FACULTY

AWARDS

- **Dr. Divyani Garg**- AV Srinivasan-Deepak Arjundas Best Paper Award (Neurogenetics) 2021

OTHER DISTINCTIONS

- **Dr Divyani Garg**-3th Asian & Oceanian Epilepsy Congress (AOEC) 2021 Travel Bursary Indian Academy of Neurology.

SEMINARS / CONFERENCES / WORKSHOPS/CMEs ATTENDED BY THE FACULTY

- **Dr. Divyani Garg** - Indian Academy of Neurology Conference 2020-2021: Delegation Indian Epilepsy Society Video EEG Course: Participant November 2021

RESEARCH: THESIS (ONGOING)

- **Dr. Apama Kaithait**- Occurrence of impaired glucose tolerance and unrecognized diabetes mellitus in patients with acute ischaemic stroke

with no previous diagnosis of diabetes mellitus (Guide: Dr. Neera Chaudhry)

- Dr. Siddhartha Dhar- Single Photon Emission computed tomography imaging changes and its correlation with cognitive dysfunction in patients with juvenile myoclonic epilepsy-A case control study (Guide: Dr. Neera Chaudhry)

RESEARCH: THESIS (COMPLETED)

- Dr. Ananya Sengupta- Role of Plasma N Terminal Pro-BNP(NT-PRO BNP) as a biomarker of Cardioembolic Stroke Among Patients of acute ischaemic Stroke (Guides: Dr. Neera Chaudhry, Dr. H.S. Isser)
- Dr. Cankatika Choudhary- Assessment of quality of life and psychiatric and comorbidities in patients of juvenile myoclonic epilepsy (Guides: Dr. Sanghamitra Laskar, Dr. Manu Shree)
- Dr. Khushboo Gyanchandani- Comparative evaluation of clinical, electrophysiological and ultrasonographic parameters in diagnosing and assessing severity of carpal tunnel syndrome (Guides: Dr. Neera Chaudhry, Dr. Rohini Gupta)

PUBLICATIONS OF FACULTY/RESIDENTS

- Gyanchandani K, Chaudhry N, Choudhury C, Sengupta A. Systemic Lupus Erythematosus Presenting as Acute Sensory Axonal Neuropathy (ASAN). *Ann Indian Acad Neurol.* 2021 Mar-Apr;24(2):292-293
- Vasudeva P, Kumar A, Yadav S, Kumar N, Chaudhry N, Prasad V, Nagendra Rao S, Yadav P, Patel S. Neurological safety and efficacy of darifenacin and mirabegron for the treatment of overactive bladder in patients with history of cerebrovascular accident: A prospective study. *NeuroUrology.* 2021.
- Singh Y, Laskar S, Mittal M, Shirazi N, Gupta S. Polymyositis presenting with Respiratory Symptoms. 2021 Oct_Nov;69(5):1391-1393.
- Laskar S, Kaul B, Wadhawa A, Chandan SK, Chatterjee A. An Unusual cause of Polyradiculopathy. Volume – 10 Issue 07| July-2021| Print ISSN No. 2277-8179
- Garg D. Amidst the Embers. *Ann Indian Acad Neurol.* 2021 Nov-Dec;24(6):930.
- Garg D, Tripathi M. Borderlands of Migraine and Epilepsy. *Neurol India.* 2021 Mar-Apr; 69 (Supplement):S91-S97.
- Garg D. Virtual Graduates: Convocation 2021. *Ann Indian Acad Neurol.* 2021 Mar-Apr; 24(2):256.
- Choudhary A, Garg D, Mukherjee SB, Anand R, Yadav P, Nangia A, Sharma S. Tuberous Sclerosis with Multiple Unusual Associations. *Ann Indian Acad Neurol.* 2021 Mar-Apr;24(2):307-309.
- Mishra B, Saini M, Doherty CM, Pitceathly RDS, Rajan R, Siddiqi OK, Ramdharry G, Asranna A, Tomaselli PJ, Kermode AG, Bajwa JA, Garg D, Vishnu VY. Use of Twitter in Neurology: Boon or Bane? *J Med Internet Res.* 2021 May 14;23(5):e25229.
- Garg D. Semiology in Psychogenic Nonepileptic Seizures: Some Additional Facets. *J Acad Consult Liaison Psychiatry.* 2021 Mar-Apr;62(2):262-263.
- Phakey N, Godara K, Garg D, Sharma S. Psychogenic Nonepileptic Seizures and Psychosocial Management: A Narrative Review. *Ann Indian Acad Neurol.* 2021 Mar-Apr;24(2):146-154.
- Garg D, Manesh A. Neurological Facets of Scrub Typhus: A Comprehensive Narrative Review. *Ann Indian Acad Neurol.* 2021 Nov-Dec;24(6):849-864.
- Garg D, Kallur SN, Kumar B, Dhamija RK. Haptoglobin gene polymorphism and ischemic stroke: A case control study. *Ann Indian Acad Neurol.* 2021 May-Jun;24(3):447-448.
- Garg D, Srivastava AK. Psychiatric burden in psychogenic nonepileptic seizures: The tip of the iceberg? *Epilepsy Behav.* 2021 Jul;120:107977.
- Kapoor D, Garg D, Sharma S. Emerging Role of the Ketogenic Dietary Therapies beyond Epilepsy in Child Neurology. *Ann Indian Acad Neurol.* 2021 Jul-Aug;24(4):470-480.
- Kapoor D, Sharma S, Garg D, Samaddar S, Panda I, Patra B, Mukherjee SB, Pemde HK. Intravenous Methylprednisolone Versus Oral Prednisolone for West Syndrome: A Randomized Open-Label Trial. *Indian J Pediatr.* 2021 Aug;88(8):778-784.

- Garg D, Majumdar R, Chauhan S, Preenja R, Parihar J, Saluja A, Dhamija RK. Teleneurorehabilitation Among Person with Parkinson's Disease in India: The Initial Experience and Barriers to Implementation. Ann Indian Acad Neurol. 2021 Jul-Aug;24(4):536-541.
- Saluja A, Parihar J, Garg D, Dhamija RK. The Impact of COVID-19 Pandemic on Disease Severity and Quality of Life in Parkinson's Disease. Ann Indian Acad Neurol. 2021 Mar-Apr;24(2):217-226.
- Phakey N, Sharma S, Garg D, Mukherjee SB, Sapra S, Wadhawan AN, Shukla G. Development and Evaluation of a Working Memory Intervention Kit in Children with Epilepsy in Low-Resource Settings. Indian J Pediatr. 2021 Jun;88(6):589-592.
- Kapoor D, Sidharth, Garg D, Malhotra RK, Kumar V, Sharma S. Utility of the END-IT Score to Predict the outcome of Childhood Status Epilepticus: A Retrospective Cohort Study. Ann Indian Acad Neurol. 2021 May-Jun;24(3):390-395.
- Garg D, Gupta A, Dhamija RK. Old Bottle, New Wine: Diplopia Sans Proptosis as the Sole Presentation of Thyroid Orbitopathy. Cureus. 2021 Jun 23; 13(6): e15850.
- Sharma S, Goel S, Kapoor D, Garg D, Panda I,

Elwadi A, Patra B, Mukherjee SB, Pemde H. Evaluation of the Modified Atkins Diet for the Treatment of Epileptic Spasms Refractory to Hormonal Therapy: A Randomized Controlled Trial. J Child Neurol. 2021 Jul;36(8):686-691.

NAMES OF THE STUDENTS/RESIDENTS WHO HAVE ATTAINED DISTINCTIONS IN VARIOUS UNIVERSITY EXAMINATIONS/NATIONAL OR INTERNATIONAL CONFERENCES:

- **Dr. Cankatika Choudhary** (Gold Medalist in DM Neurology, GGSIPU)

SIGNIFICANT ACHIEVEMENTS DURING THE YEAR

The Department of Neurology actively pursued clinical and academic activities despite the disruption due to the COVID-19 pandemic. The department continued to serve patients in the OPD and the IPD in the midst of a raging pandemic. The first batch of DM students completed their training and successfully cleared the final exam. The Gold Medal for Neurology was awarded to a student of the department by GGSIPU. The faculties of the department published several important articles in reputed journals. They also participated in national and international conferences.



**Front Row: (L to R) Dr. Shishir Kumar Chandan, Dr. Neera Chaudhry (HOD),
Dr. Atri Chatterjee**
2nd Row:(L to R) Dr. Divyani Garg, Dr. Kamakshi Dhamija

Department of Pediatrics

PRELUDE:

The Department of Pediatrics is one of the busiest departments of the Institute. With an inpatient bed strength of 312 and OPDs on all days, the department consists of 6 units with a separate triage area, dedicated Pediatric ICU, and NICU. It provides all major subspecialty services. The major services offered are-

Service/facility-

1. Neonatal services:
 - a. NICU
 - b. Neonatal ventilation
 - c. Exchange transfusion
 - d. Phototherapy
 - e. Parenteral nutrition
2. Paediatric Intensive care
3. Thalassemia day-care center
4. Child abuse protection centre
5. Child development centre
6. Child counseling services
7. Delivery room services
8. Investigative facilities
9. Point of care lab with all critical investigations available bed side

Superspeciality services-

1. Paed. Cardiology
2. Paed. Nephrology
3. Paed. Endocrine
4. Paed. Hematology
5. Paed. Gastro(Diarrhea)
6. Paed. Neurology
7. Neonatology
8. High Risk Newborn
9. Well baby clinic
10. Immunisation
11. Paed. Asthma and Chest Clinic
12. Thalassemia
13. After completion of treatment (ACT)

Average daily workload-Year 2021

1. Number of patients in OPD- 41263
2. Number of patients admitted (IPD)- 13170
3. Number of Major operations -1246
4. Number of normal deliveries- 11584
5. Number of operative deliveries- 5394
6. Number of Caesarian sections- 5394

FACULTY

- Dr. Amitabh, Associate Professor
- Dr. Bhavna Anand, Assistant Professor
- Dr. Sugandha Arya, Professor
- Dr. Harish Chellani, Professor
- Dr. Nidhi Chopra, Assistant Professor
- Dr. P K Debata, Professor
- Dr. Rani Gera, Professor
- Dr. Ratan Gupta, Professor
- Dr. Archana Kashyap, Assistant Professor
- Dr. Ajay Kumar, Professor
- Dr. Satnam Kaur, Associate Professor
- Dr. Kanika Kapoor, Associate Professor
- Dr. Shobha Sharma, Professor
- Dr. K R Meena, Professor
- Dr. Satish Meena, Professor
- Dr. S S Mina, Associate Professor
- Dr. Isha Saini, Associate Professor
- Dr. Rachna Sehgal, Professor
- Dr. Anita Yadav, Associate Professor

FACULTY MEMBERS WHO LEFT THE DEPARTMENT

- Dr. Meenakshi Bhatt, Associate Professor

SEMINARS / CONFERENCES / WORKSHOPS/ CMEs ATTENDED BY THE FACULTY

Dr. Rani Gera

- Revised Basic Workshop (rBCW) in VMMC, 30.3.21 to 01.04.21
- Workshop on online training for Doctors for Management of Covid in children (DGHS) on 30.07.21.
- NEET PG Post Exam Review Workshop (NBEMS) on 11.09.21.
- Item Writing Workshop (NBEMS) on 29.09.21
- MCQ validation Workshop (NBEMS) on 01.12.21-19.09.21
- Pre-PCNI Pediatric Cardiology CME, Manipal Hospital Workshop 19.09.21-10.11.21
- CME on Dengue on 31st Aug.2021, Virtual

Dr. Kanika Kapoor

- Pre-Primer Pathology workshop hosted by NUH Singapore, 1-3rd Sept.2021, Virtual
- Three-day teaching course "Stump the Fellow" hosted by NUH, Singapore, 4th Sept.2021, Virtual

- Dialysis workshop, 5th IPNA-AsPNA Jr. Master class by NUH Singapore,
- Peritoneal dialysis in Pediatric AKI: PD KIDS, 25-26th Sept.2021, Virtual
- Symposium on "Voiding Dysfunction in Children" as part of World Kidney Day Celebration on in Deptt.of Pediatrics, SJH & VMMC., 12-15th March 2021

Dr. Isha Saini

- Revised Basic Course Workshop (rBCW) in VMMC & SJH, New Delhi, 21st Nov.2021

Dr. Anita Yadav

- Revised Basic Course Workshop (rBCW) in VMMC & SJH, New Delhi.
- National Conference, Pedicon organized by IAP, Noida.on. 3- 4th Nov.2021
- Basic Life Support organised by IAP, Shroff Eye Centre.
- Neonatal Resuscitation National Training of Trainers organized by NNF, Delhi.

RESEARCH: THESIS (COMPLETED)

- Dr. Akshat Jhingan- Title of thesis-"Mean Time to Platelet Recovery In Children 1-12 Years Of Age With Newly Diagnosed ITP Receiving 1 Week Of Oral Prednisone Therapy" (Guide- Dr. Rani Gera, Consultant & Professor).
- Dr. Ankur Singh-Title of thesis-"Effect Of Intrauterine Growth Retardation On Hearing Among Term Babies Admitted In Neonatal Intensive Care Unit (NICU)" (Guide- Dr. H. Chellani, Consultant & Professor).
- Dr. Deepanjali Singh-Title of thesis-"Diagnostic Accuracy of Biomarkers in Neonates with Early Onset Neonatal Sepsis: A Prospective Cohort Study" (Guide- Dr.P.K.Debata, Professor).
- Dr. Deepak -Title of thesis-"Functional Status Of Children From 1 Month To 12 Years With Non-Neurological Illness At Discharge From Pediatric Intensive Care Unit" (Guide- Dr.S Kr Meena, Professor)
- Dr. Dvijraj Kalita-Title of thesis-"Functional Status Of Children From 1 Month To 12 Years With Non-Neurological Illness At Discharge From Pediatric Intensive Care Unit" (Guide- Dr. Ajay Kumar, Professor)

- Dr. Gunjan Gupta-Title of thesis-" Risk factors and outcome of Ventilator Associated Pneumonia in children admitted in Paediatric Intensive Care Unit," (Guide- Dr. Shobha Sharma, Professor)
- Dr. Innaki Naomi Lyngdon-Title of thesis-" Incidence And Outcome Of Acute Kidney Injury In Hospitalized, Non-Critically Ill Children(1 Month-12 Years) At A Tertiary Care Centre"(Guide- Dr. K.R. Meena, Professor).
- Dr. Jitendra-Title of thesis-"Clinico-epidemiological Profile Of Children Below 12 Years Of Age With Diabetic Ketoacidosis In A Tertiary Care Centre" , (Guide-Dr.Satnam Kaur, Professor).
- Dr. Kavya Goyal-Title of thesis-" N Terminal Pro B Type Natriuretic Peptide As A Marker Of Severity Of Bronchiolitis In Children (3 Months To 2 Years), (Guide- Dr. Sugandha Arya, Professor).
- Dr. Mansi Madan-Title of thesis-"Effect Of Breast Milk Feeding On Retinopathy Of Prematurity In Neonates With Birth Weight Less Than 1800 Grams", (Guide- Dr. Rachna Sehgal, Professor).
- Dr. Neha Yadav-Title of thesis-"Outcome Of Children 9 Months To 12 Years Of Age With Tubercular Meningitis", (Guide- Dr. Ratan Gupta, Professor).
- Dr. P. Dharani- Title of thesis-"Etiological And Clinical Profile Of Children With Severe Acute Respiratory Illness", (Guide- Dr. Rani Gera, Consultant & Professor)
- Dr. Pavan C Patil-Title of thesis-"Prevalence Of Vitamin D Deficiency In Critically Ill Children And Its Association With Duration Of Invasive Ventilation.", (Guide- Dr. H. Chellani, Consultant & Professor).
- Dr. Preethi. R-Title of thesis-"Prevalence Of Vitamin D Deficiency In Critically Ill Children And Its Association With Duration Of Invasive Ventilation.", (Guide- Dr. H. Chellani, Consultant & Professor).
- Dr. Priya Tanwar-Title of thesis-"Inflammatory Markers As Predictors Of Mortality In Children Admitted To Pediatric Intensive Care Unit Of A Tertiary Care Hospital", (Guide-Dr.P.K.Debata, Professor).
- Dr. Praveen Meena-Title of thesis-"Comparison Of Two Guidelines For The Use Of Antibiotics In Suspected Early Onset Sepsis In >34 Weeks Gestational Age Of Neonates", (Guide- Dr. Ajay Kumar, Professor)
- Dr. Raghuvir Saini-Title of thesis-"Clinical Profile And Outcome Of Young Infants (< 2months) Admitted With Hypernatremic Dehydration", (Guide-Dr.Nidhi Chopra, Asstt.Professor)
- Dr. Sailaja Gupta-Title of thesis-"Correlation Of Blood Cell Indices With Etiology Of Bicytopenia And Pancytopenia In Hospitalized Children (3months - 12 Years)", (Guide-Dr. Ratan Gupta, Professor).
- Dr. Sakshi Pangti-Title of thesis-" Correlation Of Blood Cell Indices With Etiology Of Bicytopenia And Pancytopenia In Hospitalized Children (3months - 12 Years)", (Guide-Dr.Shobha Sharma).
- Dr. Sheetal Ahuja-Title of thesis-"Correlation Of Blood Cell Indices With Etiology Of Bicytopenia And Pancytopenia In Hospitalized Children (3months - 12 Years)", (Guide-Dr.Shobha Sharma).
- Dr. Shubham Gupta-Title of thesis-"The Diagnostic Accuracy Of Cd64 And Interleukin 6 In Diagnosis And Clinical Outcome Of Children Aged 1 Month To 12 Years Presenting With Septic Shock", (Guide-Dr.K.R.Meena, Professor)
- Dr. Shubham Agarwal-Title of thesis-"Incidence And Risk Factors Of Acute Kidney Injury In Children With Idiopathic Nephrotic Syndrome Aged 1-12 Years Admitted At Tertiary Care Centre", (Guide-Dr. Sugandha Arya, Professor).
- Dr. Suruchi-Title of thesis-"Prevalence Of Thyroid Disorder In Children Between 1 To 12 Years Of Age With Type 1 Diabetes Mellitus", Guide- Dr. Rani Gera, Consultant & Professor).
- Dr. Trisha Singh -Title of thesis-" Effects Of Antenatal Steroids On Hearing Impairment In Neonates Born To Mother With Gestation 24 To 34 Weeks, (Guide- Dr. Rachna Sehgal, Professor).
- Dr. Vikas Kashyap-Title of thesis-"Correlating Paediatric Early Warning Score (Pews) Brighton

System With Clinical Deterioration And Final Outcome In Children (1 Month-12 Years) Presenting To Emergency Department Of A Tertiary Care Centre"(Guide- Dr. H Chellani, Consultant & Professor).

- Dr. Vinay Kr-Title of thesis- "Diagnostic Accuracy of Video Consultation Compared To Face To Face Consultation In Children Aged 1-12 Years With Tonic Clonic Status Epilepticus After 7 Days Of Discharge" -Title of thesis- "Effect of Kangaroo Mother Care on Sleep State and Physiological Parameters In Neonates Weighing Below 1800 Grams", Title of thesis "Diagnostic Accuracy of Biomarkers in Neonates with Late Onset Neonatal Sepsis: A Prospective Cohort Study" Title of thesis "Prospectively Validating The 'Child Tb Lp Clinical Decision Tool' In the Diagnosis of Tubercular Meningitis in Hospitalized Children"Title of thesis "Incidence, Risk Factors and Outcome to Tumor Lysis Syndrome In Hospitalized Children(1-12year) With Malignancy" (Guide Dr. P.K. Debata, Professor, Dr. Ajay Kr., Professor, Dr. Shobha Sharma, Professor).

FUNDED SPECIAL GRANTS/PROJECTS DURING THE YEAR ONGOING

- **Title of the project**-The follow-up study to evaluate the impact of continuous KMC initiated immediately after birth compared to KMC initiated after stabilization in newborns with birth weight 1.0 to <1.8 kg on their neurodevelopmental outcomes in low-resource settings, funded by WHO, BMGF for 3 years (2019-2022) grant of Rs. 21,30,658/- **PI**-Dr. Harish Chellani, Dr. Rani Gera. **Co-PI**-Dr. Pradeep Debata, Dr. Sugandha Arya, Dr Rachna Sehgal, Dr Nidhi Chopra, Dr Pratima Anand, Dr Isha Saini
- **Title of the project**-Clinical evaluation of the efficacy off "Ayush SS Granules" in exclusively breast-feeding mothers with Insufficient Lactation (Stanyaalpata)- A Randomized Double blind placebo control trial", **Co-PI**- Dr Bhavna Anand, funded for a period of 24 months by ICMR for Rs. 52,39,460/-.
- **Title of the project**-Delhi Newborn Birth Defect

- Registry (This registry is running 9 hospitals in Delhi), **PI**-Dr Harish Chellani, Dr Rani Gera-Nodal Officer, Dr Shobhna Gupta, funded by WHO, SEARO for a period of 9 months (June 2020 – Feb 2021), 6262760/- (cumulative fund for 9 hospital of Delhi).
- **Title of the project**-Zinc as an adjunct for the treatment of clinical severe infection in infants younger than 2 months - A Multicentre Study, Site- **PI**-Dr Rani Gera, Dr Harish Chellani, Dr Meenakshi Bhatt, Dr Sugandha Arya, Dr Ajay Kumar, Dr K R Meena, funded by Global Health and Vaccination Research (GLOBVAC), Research Council of Norway CISMACH (Centre for Intervention Sciences in Maternal & Child Health), Norway, funded for a duration of 2017-2021 for a sum of 17,881,360/- INR.
- **Title of the project**- A pilot study to determine causes of death in under-five children in a tertiary hospital in India using the MITS technique, **PI**, Dr Rani Gera, Dr Harish Chellani, Dr Rani Gera. **Co-PI**-Dr K C Aggarwal, Dr Pradeep Debata, Dr K R Meena funded for a duration of (2019-2021) for a sum of 71,88,251/- by ICMR.

PUBLICATIONS OF FACULTY/ RESIDENTS

- Rao SPN, Minckas N, Medvedev MM, Gathara D, Y N P, SeifuEstifanos A, et al. Small and sick newborn care during the COVID-19 pandemic: global survey and thematic analysis of healthcare providers' voices and experiences. *BMJ Glob Health*. 2021 Mar;6(3):e004347.
- Gupta Dch S, Chopra Md N, Singh Md A, Gera R, Chellani Md H, Pandey PhD R, Arora Md BS. Unusual Clinical Manifestations and Outcome of Multisystem Inflammatory Syndrome in Children (MIS-C) in a Tertiary Care Hospital of North India. *J Trop Pediatr*. 2021 Jan 29;67(1):fmaa127.
- Singh A, Saini I, Meena SK, Gera R. Demographic and Clinical Profile of Mortality Cases of COVID-19 in Children in New Delhi. *Indian J Pediatr*. 2021 Jun;88(6):610.
- Sankar J, Das RR, Ratageri VH, Choudhary B, Bhat JI, Mishra B; et al. Clinical Profile and Risk Factors for Severe Disease in 402 Children

- Hospitalized with SARS-CoV-2 from India: Collaborative Indian Pediatric COVID Study Group. *J Trop Pediatr*. 2021 Jul 2;67(3):fmab048.
- Malviya D, Sharma S, Rani A, Kapoor K, Srivastava N, Gera R. Clinical and Biochemical Parameters Changes after Using 0.9% Normal Saline as Maintenance Intravenous Fluid in Non-Critically Ill Children: An Experience from a Tertiary Care Hospital. *J Ped Nephrol* 2021;9(2):1-9.
 - Minckas N, Medvedev MM, Adejuyigbe EA, Brotherton H, Chellani H, Estifanos AS et al. Preterm care during the COVID-19 pandemic: A comparative risk analysis of neonatal deaths averted by kangaroo mother care versus mortality due to SARS-CoV-2 infection. *E Clinical Medicine* 33 (2021) 100733
 - Das MK, Arora NK, Chellani HK, Debata PK, Meena KR, Rasaily R, Kaur G, et al. Perceptions of the parents of deceased children and of healthcare providers about end-of-life communication and breaking bad news at a tertiary care public hospital in India: A qualitative exploratory study. *PLoS One*. 2021 Mar 18;16(3):e0248661.
 - Das MJ, Arora NK, Gaikwad H, Chellani H, Debata P, Rasaily R et al. Grief reaction and psychosocial impacts of child death and stillbirth on bereaved North Indian parents: A qualitative study. *Plos One* 2021;16(1):e0240270.
 - Yadav A, Siddiqui N, Debata PK. Two hourly versus three hourly feeding in very low birth weight neonates: A randomized controlled Trial. *Indian Pediatr* 2021;58(4):320-324.
 - Das MK, Arora NK, Debata P, Chellani H, Rasaily R, Gaikwad H, et al. Why parents agree or disagree for minimally invasive tissue sampling (MITS) to identify causes of death in under-five children and stillbirth in North India: a qualitative study. *BMC Pediatr*. 2021 Nov 17;21(1):513.
 - Raju AT, Das R, Rai N, Kumar A, Gaiind R. Prospective Study on Respiratory Viral Pathogens Causing Acute Lower Respiratory Infections in Children Below Five Years of Age at a Tertiary Care Hospital of India. *Journal of Clinical and Diagnostic Research*. 2021, Vol-15(5): DC12-DC16
 - Raghav A, Kumar A, Anand P, Yadav G, Gera R. Role of Serum Inflammatory Markers in Predicting Bacterial Meningitis amongst Neonates with Sepsis. *Indian Journal of Neonatal Medicine and Research*, 2021 Apr, Vol-9(2): PO21-PO26
 - Saluja C, Kumar A, Das S. Prevalence of Meningitis in First Episode of Febrile Seizure in Children Aged between 6 to 18 Months: A Cross-sectional Study. *Journal of Clinical and Diagnostic Research*. 2021, Vol-15(11): SC01 – Sc05
 - Goel N, Sharma S (Corresponding). Book Chapter. *Pneumococcal diseases*. Chapter 24. *FAQ on Immunization*. IAP 2021
 - Sehgal R. Bhatt M. A case series on Neuroborreliosis – an emerging infection in India. *JCDR* 2021; 15(4):SR01-03.
 - Brinda E, Gupta R, Bhatt M, Roy MP. The clinical profile, early warning sign score and outcome of children aged 0 – 12 years referred to a tertiary care hospital in North India. *J Child Sci* 2021;11:e193–e198
 - Dixit KK, Ramesh V, Gupta R, Negi NS, Singh R, Salotra P. Real-Time Fluorimetry Loop-Mediated Isothermal Amplification for Diagnosis of Leishmaniasis and as a Tool for Assessment of Cure for Post-Kala-Azar Dermal Leishmaniasis. *Am J Trop Med Hyg*. 2021 Apr 19;104(6):2097-2107.
 - Das S, Misra A, Kashyap A, Meena S, Singh A, Aggarwal KC. Study of transfusion-related iron overload (trio) in pediatric patients with hematological malignancy and bone marrow failure syndromes. *Am J Blood Res*. 2021 Aug 15;11(4):384-390.
 - Drug Resistant Tuberculosis. Kaur S, Singh V. *Evidence Based Practices in Management of infectious diseases in Pediatrics*. Editors: Dhanya Dharmapalan, Vijay Yewale, Suhas Prabhu, Winsley Rose
 - Developmental Assessment. Juneja M, Kaur S. *Clinical Methods in Pediatrics* (revised for 5th edition) Editor: Dr Piyush Gupta Publisher: CBS Publishers

- Common cold and Acute Pharyngitis. Kaur S, Sethi GR. PG Textbook of Pediatrics (Revised for 3rd edition) Editor: Dr Piyush Gupta, Dr PSN Menon, Dr Siddarth Ramji, Dr Rakesh Lodha. Publisher: Jaypee Brothers
- Introduction to Development, Laws of Development and Factors affecting Development. Kaur S. PG Textbook of Pediatrics (Revised for 3rd edition) Editor: Dr Piyush Gupta, Dr PSN Menon, Dr Siddarth Ramji, Dr Rakesh Lodha Publisher: Jaypee Brothers
- Maheshwari, Supriya, Sumitmehndiratta, Amitabh. Parental Outlook and Problems Faced during Lockdown in COVID-19 Pandemic: Experience from a PaediatricHaematology-Oncology Unit in a Developing Country-A Questionnaire-Based Survey. *Journal of Clinical & Diagnostic Research* 15.4 (2021).
- Ahuja S, Sharma J, Gupta S, Bakhshi S, Seth R, Singh A, Bagai P, Arora RS. Patient tracking during treatment of children with cancer in India - An exploratory study. *Cancer Rep (Hoboken)*. 2021 Feb 23:e1359.
- Verma S, Dhanda H, Singh A, Rishi B, Tanwar P, Chaudhry S, Siraj F, Misra A. Systematic review of epigenetic targets in acute myeloid leukemia. *Am J Blood Res*. 2021 Oct 15;11(5):458-471.
- Siraj F, Tanwar P, Singh A, Rishi B, Ranjan A, Chopra A, Rai S, Bakhshi S, Misra A. Analysing "tear-drop" prints of acute promyelocytic leukemia (APML): immunophenotypic prognostication of APML by FCM. *Am J Blood Res*. 2021 Aug 15;11(4):446-457.
- Gera A, Misra A, Tiwari A, Singh A, Mehndiratta S. A hungry Histiocyte, altered immunity and myriad of problems: Diagnostic challenges for Pediatric HLH. *Int J Lab Hematol*. 2021 Dec;43(6):1443-1450.
- Das S, Misra A, Kashyap A, Meena S, Singh A, Aggarwal KC. Study of transfusion-related iron overload (trio) in pediatric patients with hematological malignancy and bone marrow failure syndromes. *Am J Blood Res*. 2021 Aug 15;11(4):384-390.
- Kapoor K, Saha A, Dubey NK, Batra VV, Upadhyay AD. Clinical and Histopathological Profile of Adolescent Onset Idiopathic Nephrotic Syndrome in North Indian Children. *Saudi J Kidney Dis Transpl*. 2021 Jan-Feb;32(1):204-208.
- Sinha A, Bagga A, Banerjee S, Mishra K, Mehta A, Agarwal I, Uthup S, Saha A, Mishra OP; Expert Group of Indian Society of Pediatric Nephrology. Steroid Sensitive Nephrotic Syndrome: Revised Guidelines. *Indian Pediatr*. 2021 May 15;58(5):461-481.
- Vasudevan A, Thergaonkar R, Mantan M, Sharma J, Khandelwal P, Hari P, Sinha A, Bagga A; Expert Group Of The Indian Society Of Pediatric Nephrology. Consensus Guidelines on Management of Steroid-Resistant Nephrotic Syndrome. *Indian Pediatr*. 2021 Jul 15;58(7):650-666.
- Krishnasamy S, Mantan M, Mishra K, Kapoor K, Brijwal M, Kumar M, Sharma S, Swarnim S, Gaiind R, Khandelwal P, Hari P, Sinha A, Bagga A. SARS-CoV-2 infection in children with chronic kidney disease. *Pediatr Nephrol*. 2021 Sep 14:1-9.
- Goel N, Kapoor K, Bajaj S, Saluja S. Compound heterozygous delta beta thalassemia with IVS 1-5 (G>C) mutation presenting as thalassemia major phenotype. *International Journal of Contemporary Pediatrics*. 2021; 8: 1993.
- Singh A, Saini I, Meena SK, Gera R. Demographic and Clinical Profile of Mortality Cases of COVID-19 in Children in New Delhi. *Indian J Pediatr*. 2021 Jun;88(6):610.
- WHO Immediate KMC Study Group, Arya S, Naburi H, Kawaza K, Newton S, Anyabolu CH, Bergman N, Rao SPN, et al. Immediate "Kangaroo Mother Care" and Survival of Infants with Low Birth Weight. *N Engl J Med*. 2021 May 27;384(21):2028-2038
- Gahlawat V, Chellani H, Saini I, Gupta S. Predictors of mortality in premature babies with respiratory distress syndrome treated by early rescue surfactant therapy. *J Neonatal Perinatal Med*. 2021;14(4):547-552.
- Das S, Misra A, Kashyap A, Meena S, Singh A, Aggarwal KC. Study of transfusion-related iron overload (trio) in pediatric patients with

hematological malignancy and bone marrow failure syndromes. Am J Blood Res. 2021 Aug 15;11(4):384-390.

- Shruti J, Archana K, Singh A. Spectrum of Multisystem Inflammatory Syndrome in Children (MIS-C) – a report of 3 cases. SN Comprehensive Clinical Medicine.2021, Sep 21 : 1-5.

CONFERENCES/WORKSHOP/CME ATTENDED

Dr. Rani Gera

- Revised Basic Workshop (rBCW) in VMMC w.e.f.30.3.21 to 01.04.21.
- Workshop on online training for Doctors for Management of Covid in children (DGHS) 30.07.21.
- NEET PG Post Exam Review Workshop (NBEMS) on 11.09.21.
- Item Writing Workshop (NBEMS) on 29.09.21
- MCQ validation Workshop (NBEMS) on 01.12.21
- Pre-PCNI Pediatric Cardiology CME, Manipal Hospital Workshop on 19.09.21
- CME on Dengue on 10.11.21
- CME on National Pediatric & Fetal Cardiology from Cardiology Chapter of IAP-27.02.22

Dr. Amitabh

- Revised Basic Course Workshop (rBCW) on 24-26th August 2021, VMMC and Safdarjung Hospital, New Delhi.
- Panelist for Discussion on AML management organized in Delhi
- **Dr. Anita Yadav**
- National Conference, Pedicon organized by IAP, Noida on 12-15th March 2021.
- Basic Life Support organized by IAP, Shroff Eye Centre on 21st Nov.2021
- Neonatal Resuscitation National Training of Trainers organized by NNF, Delhi on 3-4th Nov.2021.

Dr. Isha Saini

- Revised Basic Course Workshop (rBCW) on 24-26th August 2021, VMMC & Safdarjung Hospital, New Delhi.

Dr. Kanika Kapoor

- Pre-Primer Pathology workshop hosted by NUH

- Singapore on 31st Aug.2021, Virtual
- 3-day teaching course "Stump the Fellow" hosted by NUH, Singapore, 1-3rd Sept.2021, Virtual
- Dialysis workshop, 5th IPNA-AsPNA Jr. Master class by NUH Singapore, 4th Sept.2021, Virtual
- Peritoneal dialysis in Pediatric AKI: PD KIDS, 25-26th Sept.2021, Virtual

GUEST LECTURES ORGANIZED BY THE DEPARTMENT.

Dr. Rani Gera-In the Multidisciplinary meet conducted by VMMC on 25th Feb.

EXTERNAL ASSIGNMENTS OF SIGNIFICANCE

Dr. Rani Gera

- Faculty with NBE as Examiner (Practical & Theory) for DNB Pediatrics.
- Making Question Bank for Entry & Exit exam for DNB Pediatrics.
- Faculty for accreditation of hospitals for DNB Pediatrics seats.
- Faculty in Validation Workshops for DNB Pediatrics MCQs.



Sitting (L to R): Dr Shobha Sharma, Dr Rachna Sehgal, Dr Sugandha Arya, Dr Harish Chellani, Dr Rani Gera,
Dr Ajay Kumar Dr Ratan Gupta, Dr. K R Meena, Dr Amitabh
Standing First Row (L to R): Dr Amit, Dr Bhavna, Dr Archana Kashyap, Dr Shobana, Dr Niddhi, Dr Satnam,
Dr Ritamoni, Dr Meetu, Dr Kanika Kapoor, Dr Sumit
Standing Second Row (L to R): Dr Satish Meena, Dr Anita Yadav, Dr Isha Saini

Department of Psychiatry

PRELUDE

Department of Psychiatry has been running regular adult Psychiatry OPD, four specialty clinic services and indoor facilities and attending to more than 200 patients and families every day. 24×7 emergency and referral intake services are open. More than 100 Disability Certificates and Concession Certificates has been issued to the patients.

Regular online teaching programs continued along with other activities, like participation in webinars and All India Radio program to create awareness about mental health related problems. Faculty members were appointed as MD (Psychiatry) and DNB (Psychiatry) examiner & NEET PG experts.

Department of Psychiatry at Vardhman Mahavir Medical College & Safdarjung Hospital was established almost four decades ago, which is currently one of the fast-growing departments in the hospital with presently six faculty members, five senior residents and ten PG residents. It was established with the mandate to address psychological issues in the medically ill and provide basic mental health services to the population of Delhi and surrounding areas but

now with expansion of mental health services it has become a referral centre for psychiatry services.

Department is running MD (Psychiatry) program with annual intake of 5 MD students. The OPD census for the year 2021 was 44052 and IPD admissions were 312. Department is actively involved in treatment of mental disorder and aimed to reduce morbidity and mortality associated with them.

FACULTY

- **Dr. Manushree Gupta**, Associate Professor
- **Dr. Kuldip Kumar**, Consultant, Professor & HOD
- **Dr. Shally Mina**, Associate Professor
- **Dr. Rahul Saha**, Associate Professor
- **Dr. Pankaj Verma**, Consultant & Professor
- **Dr. Abhilasha Yadav**, Professor

SEMINARS / CONFERENCES / WORKSHOPS/ CMEs ATTENDED BY THE FACULTY

- Dr. Manushree Gupta**, Associate Professor
- Attended Delhi Psychiatric Society midterm CME August 2021
 - Attended Annual Conference as organizer and

faculty August 2021

- **Dr. Kuldip Kumar**, Consultant, Professor & HOD
- Attended Online workshop on "Challenges in Psychiatric Rehabilitation in India" (Online) 15 July 2021
- Participated in orientation programme on Yoga in Mental Health (Online) 09 October 2021
- Attended Yoga in Mental Health Certified Comprehensive Online Educational course organized by World Psychiatric Association in collaboration with Indian Psychiatric Society and NIMHANS, Bangalore (Online) 30 November 2021, 07 December 2021, 11 December 2021, 18 December 2021

Dr. Abhilasha Yadav, Professor

- Attended WASP Asia-Pacific hybrid congress, 2021 held in Delhi 16 to 18 September 2021
- Attended 16th Biennial national conference of Indian association of child and adolescent mental health (Online) 24 to 26 December 2021.

RESEARCH: THESIS (ONGOING)

- Dr. Kshitiz Nair- Clinical characteristics, personality traits, psychiatric co-morbidities of non-suicidal self-injury in patients with psychiatric disorders 2020-2023(Guide- Dr. Pankaj Verma, Professor)
- Dr. Rahul Saini- Comparison of sociodemographic profile, clinical characteristics and comorbidity in child and adolescent versus adult-onset obsessive compulsive disorder patients 2020-2023(Guide- Dr. Abhilasha Yadav, Professor)
- Dr. Ashini Patel- Comparison of functional disability and family burden among obsessive-compulsive disorder and schizophrenia patients 2020-2023(Guide- Dr. Kuldip Kumar, Professor)
- Dr. Ganesh Kumar Meena- Comparison of personality factors, adherence to treatment and quality of life in bipolar disorder I patients with or without substance use disorder 2020-2023 (Guide- Dr. Abhilasha Yadav, Professor)
- Dr. Subhasmita Malik- To study the association between sleep quality and suicidal ideation in adults with major depressive disorder 2020-

2023(Guide- Dr. Kuldip Kumar, Professor)

RESEARCH: THESIS (COMPLETED)

- Dr. Ashutosh Kumar Chaubey- Assessment of Association Between Parenting Styles & symptoms of attention deficit hyperactivity disorder (ADHD) and their effect on parental stress 2018-2021(Guide- Dr. Pankaj Verma)
- Dr. Kapil Bansal- Study of Quality of Life & Caregiver Burden in Obsessive Compulsive Disorder 2018-2021(Guide- Dr. Kuldip Kumar)
- Dr. PrakamyaSingal- A Study of Phenomenology & Factors Associated with Perimenopausal Symptoms among women with depression 2018-2021(Guide- Dr. Pankaj Verma)
- Dr. Ramesh Kumar- Association of Religiosity, spirituality & Quality of Life in Anxiety Disorders: A case control study 2018-2021(Guide- Dr. Abhilasha Yadav)
- Dr. Rupam Dhiman- Assessment of Expressed Emotions & Suicidal Ideation in Adults with Alcohol Dependence Syndrome 2018-2021(Guide- Dr. Kuldip Kumar)

FUNDED SPECIAL GRANTS/PROJECTS DURING THE YEAR (ONGOING)

- Dr. Manushree Gupta (PI) Development of an artificial intelligence based digital platform to screen children for ASD (CogniABLE) A cross-sectional and multisite study in India BIRAC, DST (Govt. of India)

PUBLICATIONS OF FACULTY/ RESIDENTS

- Bisht N, Shaiju B, Khan F, Kumar K. Assessment of Sleep Hygiene Practices and sleep quality among Nursing officers of selected hospitals on Delhi. Accepted for publication in Int. J Nurs, Midwifery 2021; 8(1) 9-13.
- Rasania P, Kumar K, Mathur M, Rasania SK. Awareness and attitude about organ and body donation among medical students and faculty members. Int. J. Community Med. Public Health 2021; 8(4)
- Yadav A, Rastogi R & Kumar R, (2021). Psychosocial profile of cases of gender dysphonia attending a tertiary care hospital in Delhi. Sexuality, Gender & Policy, 4(2), 120-129.
- Mishra A, Marwan S, Arora R, Yadav A, Anand N,

Mushahray D. Comparison of psychological morbidity of healthcare workers posted in covid and non-covid labour rooms. The journal of obstetrics and Gynecology of India 2021, 71 (Suppl 1); 36-41.

FULL PAPER PUBLICATIONS IN CONFERENCE PROCEEDINGS

- Verma L, Mathur H, Singh R, Sha R, Yadav A. Obsessive showness masquerading as catatonia- A case report abstracts of the WASP Asia pacific hybrid congress 2021. World Soc psychiatry 2021; 3:234-333.
- Mattikoppa N, Yadav A, Sha R, Mina S. A study of personality factors, coping styles and perceived stress in parents of children with intellectual disability. Abstracts of the WASP Asia pacific hybrid congress 2021, World Soc Psychiatry 2021;3:234-333.

DEPARTMENT.

- Guest lectures: 8

EXTERNAL ASSIGNMENTS OF SIGNIFICANCE

Dr. Manushree Gupta: Appointed expert to the committee for National Treatment Guidelines for substance use disorders by the Ministry of Health & Family welfare.

ANY SIGNIFICANT FACILITY CREATED IN THE CURRENT YEAR

- De-addiction Special Clinic, Monday (2 PM to 4 PM)

SIGNIFICANT ACHIEVEMENTS DURING THE YEAR

- A new speciality clinic "Deaddiction Clinic" was started on Monday, 2 to 4 PM to cater patients suffering from substance use disorder.
- Outdoor, Indoor and emergency services were continued regularly in spite of Covid infection.



Sitting (L to R): Dr Abhilasha Yadav, Dr Kuldip Kumar, Dr Pankaj Verma
Standing (L to R): Dr Shaily Mina, Dr Rahul Saha, Dr Manushree Gupta

Department of Pulmonary, Critical Care and Sleep Medicine

PRELUDE

Services offered by the Department

- An eight-bedded state of the art Critical Care unit was started in the department in the year 1991. It has got capabilities to provide mechanical ventilation, non-invasive ventilation and all intensive care services to critically ill patients including right heart catheterization studies and studies relating to left heart function (cardiac output studies), use of USG for pulmonary, vascular and cardiac parameters relating to critical care of patients admitted to this ICU.
- The department has a 30-bedded inpatient service (including HDU) where patients suffering from serious pulmonary disorders, disorders pertaining to sleep related diseases and patients recovering from critical care illnesses are managed.
- A super-specialty DM in Pulmonary & Critical Care Medicine was started in the Department in year 2011 for the first time in a Central Government Hospital. This course is affiliated with IP University with an annual intake of 4 candidates
- This department provides round the clock arterial blood gas facilities to the hospital.
- All procedures related to polysomnography, pulmonary function testing, bronchoscopy, thoracoscopy, EBUS, pleural aspiration, intercostal tube drainage, pleurodesis, chemotherapy, etc. are being provided to all outdoor and indoor patients.
- This department also undertakes ultrasound guided and CT guided invasive procedures for histo-pathological diagnosis of lung diseases
- It also provides in- service training to WHO-Fellows, Medical Officers, specialists and post graduate students from other organizations who are posted in this department from time to time
- The faculty members are actively involved in participation in post graduate as well as super-specialty examinations and training program in the field of pulmonary medicine and critical care medicine that are conducted by the National

	Facility	Details of the facilities
1.	ABG Laboratories	03 ABG machines running in SSB – ABG Lab 02 ABG machines running in NEB-ABG lab daily average 300 samples per day
2.	PFT Lab	04 spirometry installed and daily average 10 patients per day
3.	Bronchoscope Lab	Adult Video Bronchoscope Pediatric bronchoscope Rigid Bronchoscope EBUS Video Laryngoscope Ultrasonic Fiberoptic bronchoscope Daily on an average 07 procedures are undertaken
4.	Sleep Lab	03 sleep labs on an average daily 02 patients are undertaken for the test.
5.	Seminar Hall	01 seminar hall equipped with Interactive Panel display 65" inch touch display with wireless presentation system with adequate sitting arrangement
6.	Skill Centre	Bronchoscopy Simulator Lung Sounds Simulator Airway Management simulator
7.	OPD	120 patients/ day
8.	IPD	24 bedded ward
9.	ICU	10 bedded
10.	HDU (H1N1)	06 bedded
11.	Library	100 books

Board of Examination from time to time.

- This department has been providing on the spot referral round-the-clock services to the patients admitted to the various other departments and facilities of Safdarjang Hospital.

Achievements of the Faculty in Past Years

- Actively involved in Government healthcare programs to control and CME programs for Dengue, Swine flu and other related diseases
- Actively involved in training of Medical Officers posted *en route* Amarnath Yatra at J&K
- Actively involved in formulation of National Guidelines/protocol on management of H1N1 seasonal influenza, pneumonia, and sleep apnea.
- Development of guidelines for vaccination of Health care workers
- Participated in the formulation Nebulization practices in India.
- Lead team of a specialist and two DM residents to manage H1N1 ICU at SMS Medical College,

Jaipur during H1N1 outbreak.

- Lead team to Dibrugarh for assessment and advice regarding outbreak of Encephalitis in the North East Region.
- Lead team to assess the outbreak of H1N1 in Maharashtra and Kerala.
- Lead team to assess the outbreak of H1N1 in Gujarat
- Lead team to assess the outbreak of H1N1 in Bhopal
- Making the curriculum & training content for conducting training workshop to sensitize APHOs, PHOs, RRTs and Nodal officers designated by the State on Severe Respiratory Disease associated with MERS (CoV).
- Conducting course cum workshop on ICU management of H1N1 influenza patients under MOHFW
- Organizing National Conference on sleep disorders – SLEEPCON 2019

Attendance (Yearly) of various services provided

- OPD patient attendance = New-14665, old-18320. Total= 32985 AVERAGE 200 PER DAY APPX
- IPD admissions = 1500 per year
- ABG = 174000 per year
- Brochoscopy procedure = 2000 per year (including endobronchial ultrasound)
- PFT = 10000 per year
- Thoracoscopy= Appx 300 per year appx.
- Sleep study = 600 per year

FACULTY

- **Dr. Shibdas Chakrabarti**, Associate Professor
- **Dr. Neeraj kr. Gupta**, Professor & HOD
- **Dr. Nitesh Gupta**, Assistant Professor
- **Dr. Pranav Ish**, Assistant Professor
- **Dr. Rajnish Kaushik**, Assistant Professor
- **Dr. Rohit Kumar**, Assistant Professor

NEW ADDITION TO THE FACULTY

- Dr Mahendran AJ, Assistant Professor
- Dr Manu Madan, Assistant Professor

DISTINCTIONS ACHIEVED BY THE MEMBERS OF THE FACULTY

AWARDS

- Prof NK Gupta- Awarded an appreciation letter from medical superintendent for contributions and exemplary services in Safdarjung Hospital in the battle against COVID-19 pandemic
- Dr Nitesh Gupta- Awarded an appreciation letter from the Member of Parliament and Medical Superintendent for contributions and exemplary services in Safdarjung Hospital in the battle against COVID-19 pandemic.
- Dr Pranav Ish- Awarded an appreciation letter from the Member of Parliament and medical superintendent for contributions and exemplary services in Safdarjung Hospital in the battle against COVID-19 pandemic
- Dr Rohit Kumar- Awarded an appreciation letter from the Member of Parliament and medical superintendent for contributions and exemplary services in Safdarjung Hospital in the battle against COVID-19 pandemic

SEMINARS / CONFERENCES / WORKSHOPS /CMEs HELD IN THE DEPARTMENT.

Symposium organized in NAPCON 2021

SEMINARS / CONFERENCES / WORKSHOPS /CMEs ATTENDED BY THE FACULTY

- Dr. Pranav Ish: Lecture on A Case of sleepy patient, at NAPCON 2021, Varanasi
- Dr. Rohit Kumar: Lecture on A Case of mediastinal lymphadenopathy, at NAPCON 2021, Varanasi

RESEARCH: THESIS (ONGOING)

- Dr. Baljeet S Virk- A study to evaluate the etiology, severity and outcomes in patients presenting with hemoptysis (Guide: Dr Shibdas Chakrabarti)
- Dr. Harsha Jain- Role of Submental Ultrasonography in patient with Obstructive Sleep Apnea (Guide: Dr Shibdas Chakrabarti)
- Dr. Ramees Najeeb- A Randomized Controlled Study to determine the impact of non-pharmacological interventions on Sleep Architecture in ICU Patients (Guide: Dr NK Gupta)
- Dr. Arjun Bhatnagar- A Study to evaluate role of Doppler carotid blood flow as a predictor of fluid responsiveness in patients of shock in ICU (Guide: Dr NK Gupta)
- PhD thesis of Sudhasini Panda- Role of hyperglycemia on macrophage effector function in pulmonary tuberculosis (Guide: Dr NK Gupta)
- M.Sc. thesis of Hema Yadav- To study the role of B cells on macrophage polarization and their effector functions in immunopathogenesis of pulmonary tuberculosis (Guide: Dr NK Gupta)

RESEARCH: THESIS (COMPLETED)

- Dr Richa Mittal- A Randomised Controlled trial to study the effect of continuous positive airway pressure on blood pressure in patients of obstructive sleep apnea (Guide: Dr J C Suri)
- Dr Srikar Darisetty- Effect of continues positive airway pressure for obstructive sleep apnoea syndrome on glycemic control in Type II diabetes mellitus- A randomized controlled trail (Guide: Dr J C Suri)

- Dr Manas Mengar- Randomized control trial of impact of continuous positive airway pressure therapy on neurocognitive and physiological functions in patients of obstructive sleep apnoea (Guide: Dr MK Sen)
- Dr Ravi- A Randomized controlled trial to determine the effect of continuous positive airway pressure therapy on metabolic parameters in patients with obstructive sleep apnoea ((Guide: Dr MK Sen)

PUBLICATIONS OF FACULTY/RESIDENTS

- Nath R, Gupta NK, Jaswal A, Gupta S, Kaur N, Kohli S, Saxena A, Ish P, Kumar R, Tiwari P, Kumar M, Kishore J, Yadav G, Marwein F, Gupta N. Mortality among adult hospitalized patients during the first wave and second wave of COVID-19 pandemic at a tertiary care center in India. *Monaldi Arch Chest Dis.* 2021 Oct 11;92(2).
- Srikanth JK, Kumar R, Gupta NK, Ish P, Yadav SR, Chakrabarti S, Gupta N. A Prospective Study Evaluating Sleep Quality and Disorders in Post-ARDS Patients. *Sleep Vigil.* 2021;5(2):267-274.
- Mahendran AJ, Gupta NK, Gupta N, Kumar R, Ish P. COVID-19 - deliberating beyond steroids in 2021. *Adv Respir Med.* 2021;89(6):612-614.
- Gupta N, Agstam S, Malhotra N, Ish P, Virk BS, Gupta NK. A left hilar mass with an uncommon etiology. *Adv Respir Med.* 2021;89(3):336-337.
- Singh SP, Khokhar A, Gupta NK. Enrolment under of NikshayPoshan Yojana among tuberculosis patients in a tertiary care hospital of Delhi. *Indian Journal of Tuberculosis,* 2021. ISSN 0019-5707.
- Panda S, Faisal S, Kumar K, Seelan DM, Sharma A, Gupta NK, Datta S, Singh A. Role of Regulatory Proteins Involved in Iron Homeostasis in Pulmonary Tuberculosis Patients and Their Household Contacts. *Ind J Clin Biochem* (2021).
- Kapur M, Gupta N, Gupta NK, Chakrabarti S, Kumar R, Ish P. Antitubercular therapy - an uncommon side effect. *Adv Respir Med.* 2021;89(5):544-545.
- Sheth P, Chakrabarti S, Gupta NK, Ish P, Kumar R, Gupta N. A middle-aged lady with near-fatal respiratory failure. *Monaldi Arch Chest Dis.* 2021 Dec 28;92(3). doi: 10.4081/monaldi.2021.2103. PMID: 34964576.
- Mittal R, Kumar R, Srikanth JK, Yadav SR, Chandak R, Chakrabarti S. Pulmonary alveolar microlithiasis: Blizzard of lung. *Monaldi Arch Chest Dis.* 2021 Jun 10.
- Quadir N, Rahman SA, Ahmad J, Das AK, Arora N, Sheikh JA, Gupta NK, Kapur P, Dudeja M, Hasnain SE, Ehtesham NZ. Development and Validation of Signature Sequence-Based PCR for Improved Molecular Diagnosis of Tuberculosis. *J Mol Diagn.* 2021 Jun 8:S1525-1578(21)00165-3.
- Malhotra N, Ish P, Gupta N. Plasma therapy in COVID-19; All that glitters is not gold. *Lung India* 2021 Jul;69(7):1969.
- Iyengar KP, Garg R, Jain VK, Malhotra N, Ish P. Electronic intensive care unit: A perspective amid the COVID-19 era – Need of the day! *Lung India* 2021;38:S97-100.
- Migliori GB, The TB/COVID-19 Global Study Group (including Ish P). TB and COVID-19 co-infection: rationale and aims of a global study. *Int J Tuberc Lung Dis.* 2021 Jan 1;25(1):78-80.
- Iyengar KP, Jain VK, Vaishya R, Ish P. Long COVID-19: an emerging pandemic in itself. *Adv Respir Med.* 2021;89(2):234-236.
- Virk BS, Gupta N, Malhotra N, Ish P. A case of COVID-19 with pulmonary sequelae. *MAMC J Med Sci* 2021;7(1)
- Kumar R, Yadav SR, Goel A, Kumar A, Ish P, Gupta N. Cardiology and COVID-19: A bidirectional association! *Adv Respir Med* 2021; 89(1):81-4
- Iyengar KP, Vaishya R, Jain VK, Ish P. BAME community hesitancy in the UK for COVID-19 vaccine: suggested solutions. *Postgrad Med J.* 2021 Mar 29;postgradmedj-2021-139957.
- Srivastava RK, Ish P, Safdarjung COVID-19 Vaccination group. The initial experience of COVID-19 vaccination from a tertiary care centre of India. *Monaldi Arch Chest Dis.* 2021 Mar 31.
- Iyengar KP, Singh B, Vaishya R, Jain VK, Ish P. Should COVID-19 vaccination be made mandatory? *Lung India.* 2021 Jul-Aug;38(4):379-381.
- Iyengar KP, Ish P, Botchu R, Jain VK, Vaishya R.

Influence of the Peltzman effect on the recurrent COVID-19 waves in Europe. *Postgrad Med J*. 2021 Apr 29;postgradmedj-2021-140234.

- Jain H, Gupta N, Ish P. COVID-19 Happy hypoxemia and HAPE- Pathophysiological links? *Indian J Med Spec* 2021
- Ish P, Ish S. Prevention of Mucormycosis in COVID-19; the need of the hour. *Indian J Ophthalmol*. 2021 Jul;69(7):1969.
- Kunal S, Aditi, Gupta K, Ish P. COVID-19 variants in India: Potential role in second wave and impact on vaccination. *Heart Lung*. 2021;50(6):784-787.
- Gupta N, Malhotra N, Ish P. GOLD 2021 guidelines for COPD- what's new and why? *Adv Respir Med* 2021;89(3):344-346.
- Iyengar KP, Jain VK, Sakthivel P, Malhotra N, Ish P. Competency-based novel medical curriculum in India. *Postgrad Med J*. 2021 Feb 9: postgradmedj-2020-139690.
- Gupta NK, Ish P. Tuberculosis with discordant drug resistance patterns- A diagnostic dilemma. *Indian J Tuberc*. 2021
- Arora R, Marwah S, Dhama V, Dabral A, Gupta N, Arora B. COVID-19 in pregnancy: A preliminary 50-day review from India. *J Family Med Prim Care*. 2021 Feb;10(2):883-892.
- Marwah S, Kanwar R, Naghma S, Dabral A, Gupta N. A Clinical Study on Initial Experience of COVID-19 ARDS in Obstetric Patients at a Tertiary Care Centre in India. *Case Rep Obstet Gynecol*. 2021 Mar 29;2021:5591041.
- Dev N, Meena RC, Gupta DK, Gupta N, Sankar J. Risk factors and frequency of COVID-19 among healthcare workers at a tertiary care centre in India: a case-control study. *Trans R Soc Trop Med Hyg*. 2021 May 8;115(5):551-556.
- Agrawal S, Gupta N, Gonuguntla HK, Gonuguntla HK. Evidence-based review of bronchoscopic lung volume reduction. *Adv Respir Med*. 2021;89(1):43-48.
- Dev N, Sankar J, Gupta N, Meena RC, Singh C, Gupta DK, Sen MK. COVID-19 with and without anosmia or dysgeusia: A case-control study. *J Med Virol*. 2021 Apr;93(4):2499-2504.
- Bachani S, Arora R, Dabral A, Marwah S, Anand P,

Reddy KS, Gupta N, Singh B. Clinical Profile, Viral Load, Maternal-Fetal Outcomes of Pregnancy With COVID-19: 4-Week Retrospective, Tertiary Care Single-Centre Descriptive Study. *J ObstetGynaecol Can*. 2021 Apr;43(4):474-482.

- Anand P, Yadav A, Debata P, Bachani S, Gupta N, Gera R. Clinical profile, viral load, management and outcome of neonates born to COVID 19 positive mothers: a tertiary care centre experience from India. *Eur J Pediatr*. 2021 Feb;180(2):547-559.

Book chapters

- Contributor to *Bates' Pocket Guide to Physical Examination and History Taking – South Asian edition* by Wolters Kluwer. ISBN-13: 978-93-8985-935-5
- Hari KishanGonuguntla Nitesh Gupta Claudio Sorino David Feller-Kopman. *Pleural Disease*, 1st edition 2021. Elsevier. Lung Adenocarcinoma With Diffuse Pleural Infiltration in a Young Nonsmoker Man
- *Arterial Blood Gas Analysis – a Step by Step approach*. Sumita Agrawal, Nitesh Gupta. Notionpress.

GUEST LECTURES DELIVERED BY THE FACULTY.

- Dr. Rohit Kumar: A Case of mediastinal lymphadenopathy, NAPCON 2021, Varanasi
- Dr. Pranav Ish: A Case of sleepy patient, NAPCON 2021, Varanasi
- Dr. Manu Madan: History taking in pulmonary medicine, NAPCON 2021, Varanasi
- Dr. Mahenderan A.J: Examination in pulmonary medicine, NAPCON 2021, Varanasi

EXTERNAL ASSIGNMENTS OF SIGNIFICANCE

- **Prof N K Gupta** - Nominated as an expert by GOI, DGHS, Medical Education Section, Nirman Bhawan, New Delhi - for conducting physical/ Online verification of RIMS, Imphal towards proposal of increase seats in MD Respiratory Medicine
- **Dr. Rohit Kumar**-visited Mizoram as part of Central Team for COVID procedures from 27.12.2021 to 02.01.2022
- Deployment of Central teams to Maharashtra,

Punjab, Chhattisgarh and Gujarat from 07.04.2021 to 13.04.2021

- Co-opted member of the multi-disciplinary team constituted by the Ministry of Home Affairs (MHA) to review the status of covid management including rational and judicious use of medical oxygen in NCT of Delhi.
- A center appraiser for various exams being conducted by the National board of Examinations (NBE)
- National Board of Examinations (NBE) appointed subject expert to contribute to their question bank
- The Development of the MI-SEHAT (Mobile-phone Integrated Sensitive Estimation and High Specificity Application) diagnostic kit for COVID 19 – (PATENT APPLIED FOR - TEMPE/E1/47671/2020-DEL)

Pranav Ish- Appointed as Member of GGSIPU committee for Inspection of academic Facilities and Faculties at NITRD, Delhi to start MD respiratory medicine. Inspected the institute on 22-2-2021 as a subject expert.

Nitesh Gupta

- Appointed to attended as an expert member in COVID-19 management guidelines in Dte. GHS during this period.
- Appointed to attended as an expert member in COVID-19 preparation of 3rd wave in Dte. GHS during this period.

BRIEF WRITE UP ON DISTINCTIONS ATTAINED IN SPORTS AND EXTRA CURRICULAR ACTIVITIES AT THE UNIVERSITY OR INTER-UNIVERSITY

LEVEL BY THE STUDENTS.

Prof NK Gupta: Runner-up in Inter-ministerial Badminton Tournament 2020-2021 in Veteran Doubles category

SIGNIFICANT ACHIEVEMENTS DURING THE YEAR

Exemplary services in Safdarjung Hospital in the battle against COVID-19 pandemic

Proposed New Services

- Speciality clinics like smoking cessation clinic, sleep apnea clinic, ILD clinic, lung cancer clinic, and pulmonary rehabilitation clinic.
- Initiate activities to develop a lung transplantation program
- Set up services for conducting integrated pulmonary rehabilitation, cardio-pulmonary exercise testing, navigational bronchoscopy, bronchial thermoplasty, cryo-biopsy of lung.
- Develop skills for providing bronchoscopic lung volume reduction for the large number of advanced COPD patients attending the hospital
- Provide advanced interventional pulmonology services to patients with morbid conditions like tracheo-bronchial stenosis, difficult cases of foreign body impaction etc
- Provide advanced rescue therapy like ECMO, high frequency ventilation, inhaled nitric oxide etc to patients with severe acute respiratory distress syndrome and other critically ill patients..

DISTINCTIONS ATTAINED BY STUDENTS/RESIDENTS

S.No.	Name of students	Programme	Semester/ year	Details of Awards
1	Srikanth	NAPCON	DM 3 RD YEAR	NAPCON POSTER PRIZE 2020
2	Ramees	NAPCON	DM 2 ND YEAR	NAPCON POSTER PRIZE 2020
3	Harsha	NAPCON	DM 2 ND YEAR	NAPCON POSTER PRIZE 2020
4	Arjun Bhatnagar	KATRDIC 2020	DM 2 ND YEAR	Outstanding poster paper award of KATRDIC 2020



Legend to photo:

Sitting (L to R): Dr. Rohit Kumar, Dr. Neeraj K. Gupta, Dr. S. Chakrabarti

Standing (L to R): Dr. Rajnish Kaushik, Dr. Manu Madan, Dr. Pranav Ish, Dr. Mahendran Arul, Dr. Nitesh Gupta

Department of Radiation Oncology

FACULTY

- **Dr. Abhidha**, Assistant Professor
- **Dr. Ratika Gupta**, Assistant Professor
- **Dr. Jaspreet Kaur**, Professor
- **Dr. Vikas Madholla**, Professor
- **Dr. Akhilesh Mishra**, Professor
- **Dr. Rajesh Sethi**, Chief Medical Officer
- **Dr. Rajiv Sharma**, Professor
- **Dr. Kapil Suri**, Professor
- **Dr. Vikas Yadav**, Professor

NEW ADDITION TO THE FACULTY

- **Dr. Ratika Gupta**, Assistant professor
- **Dr. Abhidha**, Assistant Professor

FACULTY MEMBERS WHO LEFT THE DEPARTMENT

- **Dr. K.T. Bhowmik**, Principal Consultant
- **Dr. Biju M. Azariah**, Assistant Professor

RESEARCH: THESIS (ONGOING)

- **Dr. Apurv Shroff**- Assessment of changes in bone

- mineral density and bone health associated biomarkers in patients receiving radical radiotherapy to pelvis for the period of three years, (Guide- Dr Rajiv Sharma Professor & Head)
- **Dr. Ankit Dhameliya**- Correlation of blood parameters to clinical response in head and neck cancer patients undergoing radical radiation therapy, for the period of three years, (Guide- Dr Rajiv Sharma Professor & Head)
- **Dr. Winsome Kumar**- Six fractions of radical radiotherapy per week in patients with locally advanced head and neck cancer, for the period of three years, (Guide- Dr Kapil Suri HAG & Professor)
- **Dr. Deval Gupta**- Effect of granulocyte-colony stimulating factor (g-csf) in prevention of radiation induced oral mucositis in patients receiving chemoradiation therapy for head and neck cancer, for the period of three years, (Guide- Dr Kapil Suri HAG & Professor)

- Ankush Gupta- Role of human papilloma virus in treatment of carcinoma cervix patient undergoing chemoradiation treatment, for the period of three years, (Guide- Dr Kapil Suri HAG& Professor).

RESEARCH: THESIS (COMPLETED)

- Dr ShaswatLohia-Effect of fluconazole prophylaxis in prevention of local fungal infections in patients of head and neck cancers receiving chemo radiotherapy, for three years, (Guide- Dr Kapil Suri Hag & Professor)
- Dr Muthu Manikandan- Effect of pilocarpine in reducing radiation induced xerostomia among head and neck cancer patients: a randomized study, for the period of three years, (Guide- Dr Rajiv Sharma Professor & Head)
- Dr. Shubhi Jain- Comparison of quad shot with conventional fractionation in palliative treatment of advanced head and neck cancers, for the period of three years, (Guide- Dr Rajiv Sharma Professor & Head)

PUBLICATIONS BY FACULTY

Dr Rajiv Sharma

- Aashita, Yadav V, Kapoor A, Sharma R. Neuroendocrine Tumor Gall Bladder: A case report and review of literature. J Med Sci 2021; XX(X):1-6
- Mishra H, Singh S, Kumar T, Bhowmik K, Suri K, Sharma R et al. Assessment of acute toxicity profile of hypo-fractionated radiotherapy in locally advanced breast cancer. J Med Sci Clin Res. 2021 June; 09(06):144-50.
- Kumar T, Singh S, Mishra H, Suri K, Sharma R. Adenocystic Carcinoma Palate with Lung Metastasis- A Case Report and Review of Literature. J Med Sci Clin Res. 2021 June; 09(06):197-203.
- Singh S, Mishra H, Gupta R, Kumar T, Kapoor A, Suri K et al. Epidemiological indicators and predisposing factors among patients of breast cancer in northern India: an institutional study. Int J Curr Res. 2021 June; 13(06):17780-84.

Dr Kapil Suri

- Mishra H, Singh S, Kumar T, Bhowmik K, Suri K, Sharma R et al. Assessment of acute toxicity profile of hypo-fractionated radiotherapy in locally

advanced breast cancer. J Med Sci Clin Res. 2021 June; 09(06):144-50.

- Kumar T, Singh S, Mishra H, Suri K, Sharma R. Adenocystic Carcinoma Palate with Lung Metastasis- A Case Report and Review of Literature. J Med Sci Clin Res. 2021 June; 09(06):197-203.
- Singh S, Mishra H, Gupta R, Kumar T, Kapoor A, Suri K et al. Epidemiological indicators and predisposing factors among patients of breast cancer in northern India: an institutional study. Int J Curr Res. 2021 June; 13(06):17780-84.

Dr. Vikas Yadav

- Aashita, Yadav V, Kapoor A, Sharma R. Neuroendocrine Tumor Gall Bladder: A case report and review of literature. J Med Sci 2021;XX(X):1-6

Dr. Akhilesh Mishra

- Mishra H, Singh S, Kumar T, Bhowmik K, Suri K, Sharma R et al. Assessment of acute toxicity profile of hypo-fractionated radiotherapy in locally advanced breast cancer. J Med Sci Clin Res. 2021 June; 09(06):144-50.

Dr. Ratika Gupta

- Simrandeep Singh S, Gupta R, Singh TP et al. A Comparative Study of Concurrent Chemo-Radiotherapy with or Without Neoadjuvant Chemotherapy in Treatment of Locally Advanced Non-Small Cell Lung Cancer. G. J. O. 2021;36:88-95.
- Gupta R., Choudhari O, Mishra H.etal. COVID-19 thrombosis: bridging the old and new concepts. Malays j med sci. 2021;28(1):9-14.
- Singh S, Mishra H, Gupta R. Epidemiological Indicators and Predisposing Factors Among Patients of Breast Cancer in Northern India: An Institutional Study. International Journal of Current Research 2021;13(06):17780-17784.



**Dr. Abhidha, Dr. Akhilesh Mishra, Dr. Vikas Yadav, Dr. Kapil Suri,
Dr. Rajiv Sharma, Dr. Jaspreet Kaur, Dr. Ratika Gupta**

Surgery & Allied Departments

- BURNS, PLASTIC & MAXILLOFACIAL SURGERY • CANCER SURGERY
- CARDIO THORACIC & VASCULAR SURGERY • CENTRAL INSTITUTE OF ORTHOPEDICS
- DENTAL SURGERY • GENERAL SURGERY • NEUROSURGERY • OBG • OPHTHALMOLOGY
- OTORHINOLARYNGOLOGY • PAEDIATRIC SURGERY
- SPORTS INJURY CENTRE • UROLOGY & RENAL TRANSPLANT

DEPARTMENT OF BURNS, PLASTIC & MAXILLOFACIAL SURGERY

PRELUDE

Safdarjung Hospital burns unit is the largest burns unit of the world as far as patient turnover is concerned. The department was established in 1962 as a separate department in the hospital under the charge of a Plastic Surgeon. It started as a regional centre for burns under the National Health Scheme by the Ministry of Health with a few beds which increased to 54 in 1977 to the current bed strength of 108. It is the only unit where all the ancillary facilities are available under one roof. It also has its own separate Casualty for burn patients where they are received directly. It attracts patients not only from Delhi but also from adjoining states of U.P, Haryana, Rajasthan, Punjab,

OPD Data

Burns-

- New Patients : 4011
- Old Patients: 16496

Plastic Surgery-

- New Patients : 12368
- Old Patients: 31475

IPD Data for the year 2021- 2859 patients

Himachal Pradesh, Uttrakhand, M.P. and far off states like Bihar, Assam & J&K. Location: The building is located opposite the Medical Record Section besides Blood Bank & CSSR Department OPD days: The department runs Burns, Plastic surgery & Maxillofacial surgery OPD on 6 days a week from 9.00 AM to 1.00PM. Faculty Staff: The dept. provides comprehensive health care to patients suffering from burns or requiring Plastic surgery, reconstructive surgery, micro vascular or Maxillofacial surgery. There are 20 qualified full time Specialist and 38 Senior residents and 16 Junior residents besides other supportive staff.

OT Data

Burns Surgery-

- Major OT-1801 surgeries Performed
- Minor OT - 2662 surgeries performed

Plastic Surgery-

- Major OT - 953 surgeries performed
- Minor OT- 518 surgeries performed

FACULTY

- **Dr. Savita Arora**, Consultant Professor
- **Dr. G M Bhardwaj**, Professor (Maxillofacial Surgery)
- **Dr. Deepti Gupta**, Assistant Professor
- **Dr. Gaurav K. Gupta**, Professor
- **Dr. Rakesh Kain**, Professor
- **Dr. Durga Karki**, Professor
- **Dr. Shalabh Kumar**, Consultant, Prof & HOD
- **Dr. Amrita**, More Assistant Professor
- **Dr. Deepak Nanda**, Consultant and Professor
- **Dr. Vishwa Prakash**, Consultant
- **Dr. Sujata Sarabahi**, Consultant and Professor
- **Dr. Harish Kumar Sharma**, Consultant and Professor
- **Dr. Sunil Sharma**, Professor
- **Dr. Shardendu Sharma**, Consultant
- **Dr. Upendra Sharma**, Professor
- **Dr. Archana Sinha**, Assistant Professor
- **Dr. R. K. Srivastava**, Consultant
- **Dr. Raman Tandon**, Professor
- **Dr. Piyush K. Thayal**, Professor
- **Dr. V. K. Tiwari**, Consultant
- **Dr. Komal Tripathi**, Assistant Professor

NEW ADDITION TO THE FACULTY

- Dr. Archana Sinha joined as Assistant Professor on 4th Aug 2022
- Dr. Komal Tripathi joined as Assistant Professor on 2nd Aug 2022

FACULTY MEMBERS WHO LEFT THE DEPARTMENT

- Dr. RP Narayan superannuated in May, 2021
- Dr. Sneha Sharma completed her tenure as Assistant Professor on Contract.

APPOINTMENT OF FACULTY TO HIGHER POSTS / ASSIGNMENT OUT SIDE PROMOTIONS

- Dr. Piyush k. Thayal and Dr. Gupta K. Gaurav were promoted to the post of Professor in July 2021.
- ASSIGNMENT IN ACADEMIC ASSOCIATIONS:
- Dr. Shalabh Kumar was President of APSI Delhi chapter in 2022
- Dr. R. K. Srivastava was President, NABI during 2022-23

- Dr. Sujata Sarabahi was Executive Member NABI during 2022-25
- Dr. Rakesh Kain was Executive member APSI during 2021-24
- Dr. Piyush K. Thayal was Treasurer NABI during 2022-25

SEMINARS / CONFERENCES / WORKSHOPS / CMEs ATTENDED BY THE FACULTY

- **Dr. Shalabh Kumar** attended APSICON 2020-21, 55th Annual conference of Association of Plastic Surgeons of India held during 22nd-24th October 2021
- **Dr. Durga Karki** attended International Woundcare con 2021, 14th Annual conference. The society of wound care & Research, Nov 13-14, 2021, Aligarh held during 13th -14th November 2021
- **Dr. Durga Karki** attended APSICON 2020-21, 55th Annual conference of Association of Plastic Surgeons of India, 22nd- 24th Oct 2021, Delhi held during 22nd-24th October 2021
- **Dr. Durga Karki** attended APBA, Asia Pacific Burn Association symposium on Postburn axillary and elbow contractures, 30th Sept 2021. held during 30th September 2021
- **Dr. Raman Tandon** attended APSICON 2021, 55th Annual conference of Association of Plastic Surgeons of India held during 22-24 Oct 2021
- **Dr. Deepti Gupta** attended APSICON 2021, 55th Annual conference of Association of Plastic Surgeons of India held during 22-24 Oct 2021
- **Dr. Amrita More** attended Ganga Hand & Microsurgery Operative Course 2021 held during 17-18th July 2021.

RESEARCH: THESIS (ONGOING)

- Dr. Samson Samuel. Bacteriological Profile of Sub Eschar space in third degree Burns. 2021 – 2023. (Guide-Dr Vishwa Prakash)
- Dr. Akhila Mohan. A Comparative study of the clinical outcome between Traditional and Functional end to side anastomosis in radio cephalic fistula for dialysis access. 2021 – 2023. (Guide- Dr Gupta K Gaurav)
- Dr. Akshara Shuchi. Role of Fibrin Glue in Split

Skin Graft take on Granulating Raw Area. 2021 – 2023. (Guide- Dr Sujata Sarabahi)

- Dr Chisel Bhatia. Comparison of anterior and posterior approach for axillary nerve neurotization in Brachial Plexus injuries. 2021 – 2023. (Guide- Dr Rakesh Kain)
- Dr Sameer Pundeer. Epidemiological profile of electrical burn injuries among pediatric population in tertiary burn center. 2021 – 2023. (Guide- Dr R.K.Srivastava/Dr Piyush K Thayal)
- Dr SiddeshRatkal. Interleukin 6 As a Predictive marker of sepsis in thermal burns. 2021 – 2023. (Guide- Dr Shalabh Kumar)
- Dr Shruti. K.Somani. Outcome of Proximally Based sural Neurocutaneous island flap for coverage of soft tissue defects around knee and upper two thirds of leg. 2021 – 2023. (Guide- Dr Shardendu Sharma)
- Dr Dharmala Nitesh reddy. Clinical Outcome in Fingertip Amputation Managed with Hatchet flap. 2021 – 2023. (Guide- Dr Raman Tandon)
- Dr Nemi Chand. Prospective Study of early active mobilization protocol following six-strand core repair for Flexor tendon injury. 2021-2023. (Guide- Dr Sunil Sharma)

RESEARCH: THESIS (COMPLETED)

- Dr. Talele Bhagyashri Bhalchandra. A comparative study of the Outcome of Split thickness skin graft Vs Local Flaps for Post Burn Breast Deformities. 2019- 2021. (Guide- Dr Shardendu Sharma)
- Dr Anshul Arya. A Comparative study of autologous fat grafting and fractional co2 laser with fractional co2 laser alone in post Burn Scar Management. . 2019- 2021. (Guide- Dr Shalabh Kumar)
- Dr. Harnoor Momak Walia. Impact of Traditional Dressing Versus Silver Impregnated hand Glove Dressing on wound Healing and Hand Functional In Partial Thickness Hand Burn. 2019- 2021. (Guide- Dr. Piyush K Thayal)
- Dr. Pankaj. To Study the Association Between Serum creatinine Kinase Levels & Need of Amputation in Electrical Contact Burns. 2019- 2021. (Guide- Dr Raman Tandon)

- Dr. Sri Lakshmi. Rachuru. A Study on Facial Burns Epidemiology and Out Come Analysis at a Tertiary burn Care Centre. 2019- 2021. (Guide- Dr Gupta K Gaurav)
- Dr Anmol Thakur. To Study the Role of 3-Dimensional Template in Pre-operative planning of osteomies for surgical correction of Craniosynostosis. 2019- 2021. (Guide- Dr Rakesh Kain)
- Dr Archana . A Prospective Comparative Randomized Study Between Early Active & Early controlled Mobilization After Extensor Tendon Repair in Hand (Zone IV-VIII). 2019- 2021. (Guide- Dr Sunil Sharma)
- Dr Karthick G. Study of the Role of Ultrasound in Management of Post Burn Contracture of the Extermities. 2019- 2021. (Guide- Dr Upendra Sharma)
- Dr Ritu Samdyan. Study of Serum Lactate & Base Deficit as Prognostic Markers in Acute Burn Patients. 2019- 2021. (Guide- Dr Durga Kakri)
- Dr. Sukanya Gupta. Comparative Study Between Early Excision & Skin Grafting With & without Negative Pressure therapy in Burn Patients. 2019- 2021. (Guide- Dr Vinay Kumar Tiwari)

FUNDED SPECIAL GRANTS/PROJECTS DURING THE YEAR (ONGOING)

- A multicentre, multinational randomized controlled, open label study, performed in children with thermal burns to evaluate the efficacy and safety of Nexobrid as compared to standard of care

PUBLICATIONS OF FACULTY/ RESIDENTS

- Kumar S, Kain R, More A, Sheth S, Arumugam PK. Burns and COVID-19-Initial Experience and Challenges. J Burn Care Res. 2021 Aug 4;42(4):794-800. doi: 10.1093/jbcr/iraa217. PMID: 33367625; PMCID: PMC7799032.
- Divakar T., Srivastava R.K. Surface Ph and Acute Burn Wound Healing. Indian Journal of Burns. 2019;27:57-62
- Srivastava RK, Babu VS, Sharma MK. Burn Unit
- at ABVIMS and Dr. Ram Manohar Lohia Hospital,

New Delhi, India. Indian Journal of Burns. 2019;27:5-7.

- Aggarwal N, Srivastava R K. Impact of Covid-19 on Patient Trends and Outcome: Results from A Tertiary Care Burn and Plastic Unit in Northern India. Indian Journal of Plastic Surgery. 2021;54:172-176
- Srivastava R K, Ish P. The Initial Experience of Covid-19 Vaccination from a Tertiary care center of India. Monaldi Archives for Chest Diseases. 2021;91:1816.
- Karki D, Jesudas J, Muthukumar V: A surgical challenge: Reconstruction of post Fournier's gangrene large penoscrotal defects with pedicled gracilis muscle flap. Eur J Plast Surg. 2021;44:807.
- Dash S, Muthukumar V, Rajkumar R, Karki D.

Cryogenic: Refrigerant burns a rare occupational hazard. Workplace healthy and safety. 2021;69 (3):109-114

CHAPTERS IN BOOKS

- Sarabahi S, Gupta D. Guidelines for best clinical practices in burns management. In: Sanjay Mahendru, Sukhdeep Singh, RK Khazanchi, editors. Guidelines for best clinical practices in plastic surgery (e book). Dec 2021. P96-112
- Gupta R, Gupta D. Buttock and calf augmentation. In: Karoon Agarwal, Kuldeep Singh, Anil K Garg, Rakesh Kalra, K. Ramachandran, editors. Textbook of Plastic, Reconstructive and Aesthetic Surgery. Vol 6. Aesthetic Surgery



Sitting (Left to Right): Dr R K Srivastava, Dr V K Tiwari, Dr Shalabh Kumar, Dr Geetika Khanna, Dr Shardendu Sharma, Dr G M Bhardwaj, Dr Savita Arora

Standing 1st row (Left to Right): Dr Sujata Saurabh, Dr Sunil Sharma, Dr Deepak Nanda, Dr Piyush Thyal, Dr Raman Tandon, Dr Amita, Dr Rakesh Kain, Dr Upendra Sharma,

Standing 2nd row (Left to Right): Mr Ram, Dr Gaurav K Gupta, Dr Archana Prasad, Dr Komal Tripathi, Mrs Shashi Gupta

Department of Cancer Surgery

PRELUDE

Cancer has become a major public health problem globally as well as in India. Surgical management plays an important role in the management of most of the solid tumors. The cancer surgery department at VMMC & Safdarjung hospital is one of the oldest in this region of country. Presently the department offers both OPD & IPD services for screening, diagnosis, treatment and prevention of solid tumors. Currently the department of cancer surgery runs OPD on Tuesday and Thursdays with Operation services on Friday, Saturday and Monday. The Department has 24 IPD

beds, 2 major operation theaters . Apart from patient care the department is actively involved in teaching, training activities. In addition, department is contemplating to start post-doctoral course in the discipline of surgical oncology. Presently department has four seats of senior residents (non-academic) and four seats of junior residents.

FACULTY

- Dr. Rakesh Kumar, Professor & HOD
- Dr. Naresh Sood, SAG Officer

