



# 18<sup>th</sup> Convocation ANNUAL REPORT 2021-2022



**Lt. Gen. (Dr.) Bipin Puri, PVSM,  
VSM Vice Chancellor**

King George's Medical University Uttar Pradesh Lucknow, India, 226003

Tel: +91-522-2257540, 2258282 (O), 2258354 (D)

Fax: (0522) 2257539

[www.kgmu.org](http://www.kgmu.org), [www.kgmcindia.edu](http://www.kgmcindia.edu)

LT. GEN. (DR.) BIPIN PURI

PVSM, VSM (RETD.)

VICE CHANCELLOR

लेफ्टिनेंट जनरल (डॉ०) बिपिन पुरी

वी०वी०एस०एम०, वी०एस०एम० (सेवानिवृत्त)

कुलपति



KING GEORGE'S MEDICAL UNIVERSITY  
U.P., LUCKNOW

किंग जार्ज चिकित्सा विश्वविद्यालय, उ०प्र०  
लखनऊ



### MESSAGE

The year gone by has seen KGMU achieving new heights in patient care, research and academics. This year has seen the start and recognition of four new courses, also an increase of 43 seats in existing postgraduate courses. Nine of our faculty have been included in the world's top 2% scientists. Post COVID the number of patients undergoing treatment both on outpatient and inpatient basis has shot up dramatically. The university is progressing with leaps and bounds. I am grateful to Hon'ble Chancellor and the Government of UP led by our dynamic Chief Minister for their continuous guidance and support.

I am happy to congratulate all those being conferred with various degrees at this, the 18th convocation of the University. Remember that it is not the degree which is of paramount importance, but more important is the knowledge gained, the values instilled and the desire for learning and helping others which we want you to have imbibed during your stay in the University. The convocation may appear to be the culmination of your medical studies, but it is also the start of a new journey for which we have prepared you. So dear students go out and work hard, and conquer the world with not only your knowledge but also with empathy, humanity and generosity. Best wishes to all students and their parents. May you achieve all your dreams.

God Bless

  
(Lt. Gen. (Dr.) Bipin Puri)  
Vice Chancellor

01 शाहमीना रोड, चौक, लखनऊ, उ०प्र०, भारत-226003  
01 Shahmina Road, Chowk, Lucknow, U.P., India - 226003

W: +91-522-2257540, Fax: +91-522-2257533  
E-mail: vc@kgmuindia.edu, Web: kgmu.org  
Twitter @kgmulucknow, Facebook: kgmuupdate



राष्ट्रीय मूल्यांकन एवं प्रत्यान पश्चिद द्वारा 'ए' श्रेणी हेतु प्रत्यानित (2017-22)  
Accredited by NAAC at 'A' Grade Level (2017-22)

# Table of Contents

## Achievements of University

<b>Financial Report</b>	5
<b>Academic Reports</b>	6
Medical	6
Dental	6
Nursing	7
Paramedical	8
Dean Student Welfare, KGMU	10
CMS Office	12
<b>Enrolment and Examination Cell</b>	12
<b>Quality Control, Clinical audit, Assessment &amp; Future Planning</b>	13
<b>Activities</b>	
• Central Library	13
• IT Cell	15
• Research Cell	16
• Innovation Cell	18
Centre for Advance Research	18
• Women Empowerment Cell	19
• Proctor Office	20
• KGMU Institute of Skills-Centre for Advance Skills Development	21
• Department of Health Research Multispecialty Research Unit	21
• Medical Education	22
• Sports	22
• Alumni Cell	23
<b>Patient Care</b>	
• Ayushman Bharat	24
• Cochrane Unit	24
• Milk Bank	24
• Hospital Based Cancer Registry (HBCR) Unit	25
• International collaboration cell	26
• Social Outreach Cell	26
• University Environment Department	27
• Horticulture Cell	28
• Cultural Unit \	28
<b>Medical Departments</b>	
• Anesthesiology	29
• Anatomy	31
• Biochemistry	32
• Cardiology	33
• Cardiac Surgery	34
• Clinical Hematology	34
• Community Medicine & Public Health	35
• Critical Care	37
• DV and Leprosy	37
• Emergency Medicine	38
• Endocrine Surgery	40

• Forensic Medicine & Toxicology	43
• Geriatric Mental Health	43
• Hospital Administration	45
• Medical Gastroenterology	46
• Medical Oncology	47
• Medicine	47
• Microbiology	48
• Nephrology	51
• Neurology	51
• Neurosurgery	52
• Obstetrics and Gynecology	53
• Ophthalmology	58
• Orthopedic Surgery	59
• Otorhinolaryngology and Head Neck Surgery	60
• Pathology	61
• Pediatrics	61
• Pediatric Orthopedics	62
• Pediatric Surgery	63
• Pharmacology and Therapeutics	64
• Physical Medicine and Rehabilitation	65
• Physiology	66
• Plastic Surgery	67
• Psychiatry	68
• Pulmonary and Critical Care Medicine	71
• Radiodiagnosis	71
• Radiotherapy	72
• Respiratory Medicine	74
• Rheumatology	78
• Sports Medicine	79
• Surgery	79
• Surgical Gastroenterology	81
• Surgical Oncology	83
• Transfusion Medicine	84
• Trauma Surgery	84
• Urology	86
• Thoracic Surgery	87
• Vascular Surgery	88

#### **Dental Departments**

• Conservative Dentistry and Endodontics	89
• Oral and Maxillofacial Radiology	90
• Oral Pathology	90
• Oral and Maxillofacial Surgery	92
• Pediatric and Preventive Dentistry	94
• Periodontics	95
• Prosthodontics	95
• Public Health Dentistry	96
<b>Future Plans</b>	97

#### **Annexures**

## *King George's Medical University Uttar Pradesh*

King George's Medical University is deeply grateful for the blessings of Smt. Anandiben Patel, Hon'ble Governor of Uttar Pradesh and Hon'ble Chancellor of King George's Medical University, UP for continuous support and valuable guidance in leading this prestigious university towards excellence. Lt. Gen. (Dr) Bipin Puri, PVSM, VSM Hon'ble Vice Chancellor of the University is steering the University towards excellence with his untiring efforts.

The university gratefully acknowledges support of Government of Uttar Pradesh under able guidance of young and dynamic Chief Minister Sri Yogi Aditya Nath ji. Under the dynamic leadership of Hon'ble Chief Minister, we have a visionary, who has taken definitive steps to advance the cause of health care and Medical Education. He is equally committed for the welfare of students, faculty and staff of not only this University but for the entire state of Uttar Pradesh.

The KGMU, built in 1905, is an over 100-year-old institution, has a name and fame for its contributions not only in India but around the globe. KGMU has acquired national & global eminence for contributions in academics, research, and patient care. The guiding values of this teaching institution are discipline, dedication and devotion.

The first batch of MBBS students entered the portals of the erstwhile King George's Medical College in October 1911 and 31 students passed out in 1916. Since then, KGMC has produced over 20,000 alumni who are serving in India and all over the world. The College was given status of University in 2002, by a special Act of the Government of Uttar Pradesh. It is now the largest residential University in India with faculty of medicine, faculty of dental sciences, faculty of nursing, and faculty of paramedical sciences.

The convocation function is organized every year to confer degrees on students of all faculties, and to celebrate academic success and achievements of the graduates of the year. The university also confers the DSc Honoris Causa degree to two outstanding academicians every year. This year Dr Mone Zaidi, Professor at Icahn School of Medicine at Mount Sinai, New York, and an alumnus of King George Medical College; and Hony Brig Dr Anil Kohli, also recipient of Padma Bhushan; are being awarded the Honoris Causa degree.

National Assessment and Accreditation Council (NAAC) has given KGMU 'A' grade certification. This certification will remain valid from May 2017 to May 2022. Our Alma Mater, has also been ranked 5th best of all the Medical Institutions of India. The Chemical Pathology and Virology Labs of the University have been accredited by National Accreditation Board for Laboratories (NABL) for its excellent diagnostic facilities. Also, the department of Oral & Maxillofacial Surgery and the Department of Prosthodontics of Faculty of Dental Sciences has received the ISO certificate for the best Quality Management and Control. Our faculty is striving hard for providing quality patient care, conducting cutting edge research and competency based medical education.

National Institutional Ranking Framework ranked King George's Medical University as 11th best medical institute in 2020. India Today adjudged our Institution as 7th best medical college in the country for MBBS education and 2nd best for BDS education in whole of the country in the year 2022. Outlook Magazine has ranked our university as 4th best for MBBS and 2nd best for BDS education this year.

## Annual achievements of the University

King George's Medical University is constantly maintaining its excellence in field of patient care, research and education.

The year 2022 saw this premier institute making big strides. Two new departments were created and inaugurated on 27th Oct 2022 by Hon'ble Chief Minister, the Department of thoracic surgery & department of vascular surgery

Pathogen reduction equipment was established and inaugurated in blood bank on 27th Oct 2022 by Hon'ble Chief Minister. This is 1st such machine to be established in whole of Asia. The Department of Transfusion Medicine was also awarded 1st position for maximum blood collection in UP by SBTC

Different facilities were developed and inaugurated on 20th Dec 2021. These included a fire ramp in Trauma Centre, an advanced Diabetic Retinopathy Care Centre, a transit Nursing Hostel (Khadra Block) and Medical Equipment donated by LG for the Department of Paediatrics

KGMU Satellite Centre at District Balrampur "Atal Bihari Bajpai Medical College Hospital Campus, King George's Medical University at Balrampur was sanctioned as a 300 Bedded Hospital (Year 2021-22).

Effluent treatment plant & Sewage treatment plants were inaugurated by Hon'ble Governor on 7th Jun 2022 in celebration of World environment day

The KGMU Music society was established and inaugurated on 17th Aug 2022 to promote the talent of music in students. Since its inception the society has performed on various occasions in the University.

KGMU Goonj, a community radio station, first of its kind to be run by any medical college, was inaugurated on 5th Feb 2022. Various health education and entertainment programs were streamed initially from 9am to 9pm, and are now being streamed from 7am to 10 pm On 04th of February, 2022, on the occasion of World Cancer Day the Hospital Based Cancer Registry Unit, hosted a program themed – '**Close the Care Gap**' and established the **Cancer Support Unit** in Room 206 in the New OPD building at KGMU. The Inauguration was done by the Hon'ble Vice Chancellor, Lt.Gen. (Dr.) Bipin Puri, and Chairman of Oncology Services Dr. MLB Bhatt, Professor and Head, Department of Radiation Oncology. The objective of the Cancer Support Unit was to provide financial aid and advice, palliative care, psychological and dietary counseling, physiotherapy and drug distribution Inauguration of supportive home care services as extension of Cancer palliative care unit of KGMU was done on 30th May 2022

Department of Community Medicine conducted various activities in the 10 adopted villages Maati, Banthra, Gauri, Natkur, Amausi, Daroga Kheda, Ambarpur, Paharpur, Bani, Mulayikheda. Besides regular health camps various social and educational activities were also organised. Few of the activities were road safety week awareness activities at upper primary school, Mati on 21/4/22; Malaria awareness programme in Paharpur village on 26/04/2022, Malaria awareness programme at Bani village on 26/04/2022, a VHSND programme at Hamirpur on 11/05/2022, Breast feeding awareness week conducted on 7/9/2022 at Sikanderpur village, Banthra, Rabies awareness week was conducted on 30/09/2022. Adolescent health education session was conducted at Mati on 18/05/2022 where students played 'Snake and Ladder' game very enthusiastically and learned about 'Do's and Don'ts of malaria in an innovative way.

An extravagant sports event of block level was conducted in the esteemed presence of Deputy District Magistrate of Sarojini Nagar, Lucknow on 16/11/2022 at Vinayak Singh stadium, Dadupur. Around 500 students of various schools and colleges participated actively, many of whom won prizes in their fields and brought laurels to their institutions.

Women empowerment week was celebrated from 6th to 12th Mar 2022. On the occasion a poster gallery, displaying women upliftment activities by the University, was also inaugurated by Hon'ble Governor on 6th Mar 2022

Academically the university progressed by leaps and bounds. Many new courses were started -DM (Clinical Hematology) course with 03 seats, DM (Critical Care Medicine) course with 05 seats, DM(Medical Gastroenterology) course with 05 seats and MD (Emergency Medicine) course with 05 seats were approved by the Medical Council of India/National Medical Commission from the academic year 2022-2023.

Besides this an increase in seats was approved by the Medical Council of India/National Medical Commission from the academic year 2022-2023 in Respiratory Medicine MD, an increase of 07 seats; Pharmacology MD an increase of 10 seats; Forensic Medicine & Toxicology MD an increase of 08 seats; Surgical Oncology M.Ch an increase of 03 seats; Surgery(General) MS an increase of 09 seats; Pathology MD, an increase of 06 seats

The university mourned the loss of many eminent teachers - Dr. K.N. Singh, Ex-Professor & Head, C.V.T.S;

Dr. Ambrish Kumar Ex-Professor Anaesthesiology; Dr. Girish Chandra Ex-Professor Anaesthesiology; Dr. P.K. Mukherjee Ex-Professor & Head Respiratory Medicine; Dr. Nisha Mishra Ex-Professor & Head The loss of Prof Santosh Kumar, Orthopaedics was particularly painful as he was a young professor still in service. The year gone by saw 9 new faculty being appointed in different departments.

Seven contractual faculty were also appointed. 10 faculty superannuated

Dr Balendra Pratap Singh, Professor in Prosthodontics was appointed as Director for Cochrane India: KGMU affiliate. King George's medical university was affiliated with Cochrane, United Kingdom as official training center of cochrane systematic reviews and meta-analysis among nine centers across India

MyLOFT (My Library on fingertip): MyLOFT a mobile app platform was introduced to provide access to online contents on the smartphone of users allowing them to access the library 24x7 from anywhere

The university instituted awards for teachers based on students votes. Prof R K Dixit was awarded in the medical category.

Dr. Richa Khanna received membership of Royal College of Surgeons – Glasgow

Biometric attendance system was installed and made functional for all permanent employees and faculty. A total of 110 machines (finger and/or face recognition) have been installed at strategically important locations across the campus for facilitation of marking of attendance. In collaboration with the Finance Department, linking of attendance to salary is also being done.

Online leave management system (Manav Sampada portal) is fully implemented now for both faculty and permanent employees. The e-office system of file management has also started with few categories of file movements already successfully done across several administrative offices of the University. E -service book process has also started with filling of initial demographics for all faculty and permanent employees.

There are 239 ongoing research projects in 37 departments with extramural funding through various agencies in the year 2021-22. Out of which 171 were govt. Agencies sponsored; 21 were International Agencies sponsored and 47 were Industry sponsored Research Projects. A total of Rs. 24.36 crores were received as extramural funding during the financial year 2021-22

A new centre for innovation and entrepreneurship was also inaugurated on 1st of September 2022. This School of International Biodesign – Synergizing Healthcare, Innovation and Entrepreneurship (SIB-SHInE) is a joint collaborative venture, under Prof Rishi Sethi, of KGMU and IIT Kanpur and has been funded by Department of Biotechnology government of India. Nine fellows from all across India are presently undergoing training in biomedical innovation and entrepreneurship at SIBSHInE. Over a period of next 5 years SIB SHInE aims to train 50 Fellows and help create 15-20 MedTech Start-up Companies.

An advanced Mycology Diagnostics and Research Center has been set up in Department of Microbiology (Prof. Prashant Gupta)

A Genetic Diagnostic Unit-National Inherited Diseases Administration (NIDAN Kendra) is being established at King George's Medical University with two components, one for Prenatal testing for genetic disorders: Beta thalassemia, sickle cell disease and other hemoglobinopathies; and other New-born screening for relatively common treatable genetic metabolic disorders

Department of Biotechnology, Government of India -Unique Methods of Management of Inherited Disorders (UMMID) initiative- Department of Pathology (Dr Mili Jain) in collaboration with Departments of Pediatrics, Obst. & Gynae and Clinical Hematology

A Center for Precision Medicine is coming up in collaboration with overseas KGMU alumni

KGMU is proud to have faculty in top 2% Global Scientists by Stanford assessment in year 2021: Prof. Rashmi Kumar (Retd), Department of Paediatrics; Prof. Shally Awasthi, Head, Department of Paediatrics; Prof. R.K. Garg, Head, Department of Neurology; Prof. Amita Jain, Head, Department of Microbiology; Prof. Surya Kant, Head, Department of Respiratory Medicine; Prof. Abbas Ali Mahdi, Head, Department of Biochemistry; Prof. Rajesh Verma, Department of Neurology; Prof. Divya Mehrotra, Department of Oral & Maxillofacial Surgery; Dr. Sujit Kumar Kar, Department of Psychiatry

For the first time in its history an 'Intellectual Property Policy' was drafted and implemented in the university. This IP policy sets rules and guidelines for the ownership and revenue sharing of all the intellectual property (patents and copyrights) created by faculty, employees, students and researchers working in the university.

A "Development of Electives hands on workshop" was organised on 09th April 2022 at Kalam Center, KGMU in which 18 electives developed in block-1 and 34 electives developed in block-2.

By efforts of international collaboration cell, 9 of our students are visiting, or have been accepted for visits by different Institutes of America in the past year. KGMU is now part of GUNI- the Global University Network for Innovations, headquartered at Barcelona in Spain and the international Talloires network, University of

Massachusetts, USA.

Two year Diploma course for OT Technicians & Three month Certificate course in Critical Care for nurses started by dept of anaesthesia

One new canteen with improved ambience started functioning at 1905 building. One new canteen for patient attendants was started adjacent to MRI building.

4714 patients benefitted under the Ayushman Bharat scheme in last year

A Clinical Biochemistry laboratory was opened in Plastic Surgery department for improved patient care by Dept of Biochemistry

Department of Clinical Hematology has started Preventive hematology Clinic on every Saturday, first of its kind in India since 7th September 2021.

Stem cell transplant has been reinitiated by Dept of Clinical Haematology after a gap of 2 years due to COVID pandemic.

Dept of Community Medicine started specialized OPD services at Rural Health Training Centre Banthra on 25.10.2021 (Medicine, Paediatrics, Obstetrics & Gynecology, Dental, Ophthalmology, Otorhinolaryngology, Psychiatry)

Geriatric Wellness Clinic - a unique program initiated by Dept of Geriatric Mental Health, where an outpatient clinic of the department started in the main OPD building, for ease of referrals for older adults attending the outpatient clinic of other departments

Whole Genome Sequencing machine installed in Dept of Microbiology Dept received NABL-ISO 15189:2012 accreditation, latest successful inspection done on 12-13 Nov 2022

A 4 bedded Neurocritical Care unit was inaugurated on 09-05-2022 in Dept of Neurology

Mechanism for teleconsultation of operated neurosurgery patients via audio video call was developed by Dept of Neurosurgery

The Department of Pharmacology & Therapeutics was approved as ADR Monitoring Centre (AMC) under aegis of Pharmacovigilance Program of India (PvPI), Indian Pharmacopoeia Commission (IPC), Ministry of Health & Family Welfare, Government of India on 15-Dec-2021. Drug prescription auditing started in KGMU and Prof. DK Katiyar, was appointed as Member Secretary, Drug prescription audit Committee of KGMU

Advance Pulmonary Function Testing lab & Sleep Lab (Polysomnography Lab) has been established in Dept of PCCM

The year 2022 saw KGMU make big strides in organ transplant. A total of 7 liver transplants were done successfully including 3 living donor & 4 cadaveric donor liver transplants. Two kidney transplants were also done successfully, one cadaveric and one living donor. One case of combined liver & kidney transplant was done, a first of its kind

Dept of Anatomy had 30 body donations & another 140 registrations for body donation.

Total 158 keratoplasty were performed in Department of Ophthalmology, blessing so many patients with vision. Further 150 donations were pledged.

A Student Counselling Centre is being managed at KGMU, keeping in mind the problems students face when they move out of their home for the first time. The center has been playing a vital role to channelize the energy of students in a positive and constructive manner having catered to almost 500 students till date.

Different schemes have been initiated in the university for students welfare including medical Insurance for all UG students at KGMU, Awards to Meritorious Students of the University at Undergraduate Level, Grant-in-aid for Students Presenting Research Paper in Scientific Events, financial aid for needy undergraduate students, In-campus part-time jobs, Transport facility to differently abled persons/ students within the campus



## Financial Report Finance Officer: Mr Vinay Rai

The State Govt. has allocated Rs. 646.7370 Crores for Salary under Recurring (Non-Plan) head for the year 2021-22. Expenditure is Rs. 586.3284 Crores.

The State Govt. has allocated Rs. 190.00 Crores for Contingency under Recurring (Non-Plan) head for the year 2021-22. Expenditure is Rs. 190.00 Crores.

In the financial year 2021-22 Rs. 4.00 Crores were allocated by government for the free medical facilities to BPL card holder/ Antodaya card holder/ Lawaris/ Poor Patients Expenditure of Rs. 2.00 Crores has been made by the institution.

Government has approved free medical facilities for the patients of critical diseases (cancer, heart, kidney and liver diseases) and this is being implemented. Under Asadhya Rog Yojna in the financial year 2021-22 Rs. 15.00 Crores have been sanctioned by the Government for the free medical facilities to these patients:

The Provision of Rs. 75.00 Crores Expenditure Rs. 59.750256 Crores under grant no. 31 and Provision of Rs. 21.21 Crores Expenditure Rs. 14.936684 Crores under Grant no. 83 have been made for pre-existing projects and new projects of Medical University for Large Building Constructions. So for this head total budget of Rs. 96.21 crores has been sanctioned and total expenditure of Rs. 74.68694 Crores has been done in financial year 2021-22. These construction projects include Establishment of boring and construction of underground tank at the Faculty residences located on Jagat Narayan Road of KGMU, Lucknow, repair/preservation work of cracks in arches and domes of Old Administrative Building, conversion / installation work by adjusting the AC plant installed in certain buildings, replacement/ installation work by adjusting the generators installed in certain buildings of KGMU, Lucknow (RALC, Gandhi Ward, PRO – 09 Generator, Covid Ward (300 bed) in RALC Building additional work, Construction of fire ramp in Trauma Centre, Repair work of high reservoir located in front of Pediatric Department, Setting up of rebored wells and to lay rising in trauma center, Setting up of rebored wells and to lay rising main in nurses' hostel, Repair work of high reservoir located behind the Registrar Office, Setting up of rebored wells and to lay rising main in D.K. Hostel & Ladies Hostel, Setting up of rebored wells and to lay rising main in R.A.L.C. premises, Construction of Transit Nurses Hostel, Construction of Centre for Orthopedic Super Specialties in IDH

Financial support from the government 2021-22 block, Establishment/construction of sewage treatment plant (STP) based on RMBR method near O.P.D., Construction/extension work of Department of Lari Cardiology, Renovation works related to internal electrification and arrangement of medical gas pipeline in the Trauma Centre area, Renovation (strengthening) work related to internal electrification, air conditioning work, fire-fighting and medical gas pipeline arrangement due to necessary modification/changes for the pediatric ICU to be operated soon in the mental hospital block, Renovation work related to internal electrification, fire-fighting and medical gas pipeline arrangement of Covid Child Hospital block, Resolution of the minimum infrastructural problems existing in the LRH Hostel (Lady Resident Hostel) located at Queen Mary Hospital premises, Renovation work related to the arrangement of internal electrification and medical gas pipeline in the holding (Geriatric Mental Health department), Renovation of brown hall, Establishment of Fire Hydrant System & Fire Alarm System, Renovation work related to the internal electrification and arrangement of medical gas pipeline in Ear, Nose and Throat Hospital (ENT) area, Establishment/construction of sewage treatment plant (STP) in Convention Centre Premises.

The Budget Provision is of Rs. 40.00 Crores & expenditure of Rs. 35.3280 Crores under grant no. 31 has been made for KGMU Satellite Centre at District Balrampur "Atal Bihari Bajpai Medical College Hospital Campus, King George's Medical University at Balrampur, 300 Bedded Hospital (Year 2021-22).

The State Govt. allocated Rs. 59.0060 crores for equipments (year 2021-22) Expenditure is Rs. 59.0060 Crores.

The State Govt. allocated Rs. 2.00 crores for equipments (year 2021-22) for Advanced Diabetic Retinopathy Centre. Expenditure is Rs. 2.00 Crores.

## **Academic Report: Faculty of Medical Sciences**

### **Dean: Prof A K Tripathi**

A student feedback system was initiated by the University administration and feedback is being collected using a Google form-based survey. Feedback received is reviewed by the MBBS Academic monitoring committee and recommendations and guidelines developed accordingly. Based on the feedback departments have been asked to constitute a departmental academic committee to review PowerPoint slides that are to be used in lectures for content.

A "Family adoption program" has been introduced for the MBBS 2021 Batch as recommended by NMC.

SOP were prepared for students who are not appearing in the examination or failing the examination repeatedly.

A Logbook has been developed and introduced for Interns which details the skills that must be acquired by the Interns.

An Equal Opportunity Cell was constituted for dealing with the day to day issues of differently-abled person and the 1st meeting for the same was held on 25th February 2022

Admission process of undergraduate MBBS/BDS students and MD/MS students of King George's Medical University and 08 private Medical Colleges has been streamlined with the entire admission process being conducted at a single location i.e. Kalam Centre. Arrangement for medical examination including X-ray is now available at Kalam Centre.

A Post Graduate Academic Monitoring Committee was constituted to regularize the Post Graduate Teachings, Postings, Thesis and to improve overall academic environment. Meeting was convened in which the roles of the committee were decided for the betterment of Postgraduates.

A MBBS Student's Academic Monitoring Committee was constituted with faculty representatives from all MBBS subjects and students representative were selected. Meeting was convened in which the roles of the committee were decided for improvements in Academic training of MBBS students.

DM (Clinical Hematology) course with 03 seats, DM (Critical Care Medicine) course with 05 seats, DM( Medical Gastroenterology) course with 05 seats and MD (Emergency Medicine) course with 05 seats has been approved by the Medical Council of India/National Medical Commission from the academic year 2022-2023.

Increase of seats in the following courses has been approved by the Medical Council of India/National Medical Commission from the academic year 2022-2023:-

- Respiratory Medicine MD (Respiratory Medicine) 08 to 15, an increase of 07 seats
- Pharmacology MD (Pharmacology) 16 to 26 an increase of 10 seats
- Forensic Medicine & Toxicology MD (Forensic Medicine) 01 to 09 an increase of 08 seats
- Surgical Oncology M.Ch (Surgical Oncology) 03 to 06 an increase of 03 seats
- Surgery (General) MS (General Surgery) 15 to 24 an increase of 09 seats
- Pathology MD (Pathology) 14 to 20, an increase of 06 seats

## **Academic Report: Faculty of Dental Sciences**

### **Dean: Prof A P Tikko**

The Faculty of Dental Sciences, KGMU brought laurels to the University by achieving 5th rank in India according to the prestigious NIRF ranking, and 2nd rank by the India Today rankings in the year 2022. The Faculty of Dental Sciences, King George's Medical University currently offers 100 BDS and 46 MDS seats in 9 dental specialties. During the last one year, many faculty members received prestigious awards viz. Prof AP Tikko was awarded Senior most post-graduate teacher in India, at Isthmus, Pune; Dr Shadab Mohammad & Dr. Divya Mehrotra were awarded the FFD RCSI (Ireland) and Dr. Divya Mehrotra secured a place amongst the top 2% scientist of the world according to Stanford University database to name a few. Dr Balendra Pratap Singh,

Professor in Prosthodontics was appointed as Director for Cochrane India: KGMU affiliate. The Dental faculty in KGMU is one of the dental faculties in India to publish highest number of research papers and conducts highest number of CDE programmes in a year. This year, the Department of Conservative Dentistry & Endodontics conducted All India Student Exchange Program & Quiz Competition and workshops on Composite restorations and Ultrasonics in Endodontics; The Department of Periodontology conducted ISP Integrate and national Oral hygiene day; the Department of Oral Surgery conducted a Road Safety week and Trauma gallery; and The department of Pedodontics conducted National Post Graduate Student Convention.

## **Academic Report: Faculty of Nursing Dean: Prof. Apjit Kaur**

National/international awards/ membership/fellowship received by faculty, staff and students.

- 1- Avishkar Achievers Award 2022: Best Women Teacher of the Year Award- Dr. Rashmi P. John, Principal, KGMU College of Nursing Any higher qualification awarded to the faculty (like PhD etc) (Ph.D) I. Dr. Rina Kumari, Feb 2022, & Dr. Rashmi P. John Aug 2022

### ***Name of new faculty members joined -4 (Contractual)***

Eminent visitors (National/International) to the department for any academic/ research activity.

- a- Dr. Ashok Kumar, Associate Professor, College of Nursing AIIMS Jodhpur.
- b- Dr. Lily Podder, Associate Professor, College of Nursing AIIMS Bhopal.
- c- Dr. Rakesh Sharma, Assistant Professor, College of Nursing AIIMS, Rishikesh.
- d- Mr. Sambian N. Associated Professor, College of Nursing UPUMS, SaifaiEtawah.

### ***Five best publications of the department:***

- 1- Assess The Relationship Between Vo2 Max And Cardiac Biochemical Parameters Among Nursing Students Rashmi P John Nov-21 PubMed
- 2- Significant Co-Dependency, Anxiety, Depression And Family Burden Among The Caregivers Of Patients With Opioid Dependence Syndrome: An Observational Study Sudha Mishra Jun-22 PubMed, Scopus
- 3- Religious Coping In The Time Of COVID-19 Pandemic In India And Nigeria: Finding Of A Cross-National Community Survey Sudha Mishra, Srinivasan Mar-22 PubMed, Scopus, Web of Science
- 4- Systematic Review Exploring The Effect Of Therapeutic Hypothermia On Patients With Intracranial Hypertension Srinivasan Jun-22 PubMed, Scopus
- 5- Amid COVID-19 Lockdown: Impact On School-Going Children And Adolescents Rina Kumari, AnugrahCharan Feb-21 PubMed

### ***Scientific workshop/CNE/ Conference/webinar/organized by department:***

- a- CNE on Breastfeeding Week.
- b- CNE on Therapeutic Communication.
- c- CNE on Prevention and Control of soil transmitted helminths.
- d- CNE on Antenatal care for a health pregnancy.
- e- Workshop on Training of Neonatal resuscitation.
- f- National Conference on Assessment and Evaluation strategies in modern Nursing Pedagogy.

### ***Extension/ Social outreach activities at Department level:***

- a- Breast Cancer Awareness programme.
- b- Worlds Aids Awareness programme.
- c- Theme based Role Play
- d- Skit on Road Safety
- e- Blood Donation Camp

COVID-19 Online Refresher Course was organized from 25-01-2022 to 10-02-2022 for the Staff Nurses of this University. Total 372 Staff Nurses of this University were trained.

## Academic Report: Faculty of Paramedical Sciences Dean: Dr Anil Nischal

At present 14 Diploma Courses and One-degree course is being run in KGMU.

Total 548 new students were admitted in 2021-22 and 403 students were admitted in 2020-21, 414 students of 2019-20 Batch are awaiting results of their final Pass out examination.

The students are provided competency based medical education through trained demonstrators and faculty of KGMU. List of paramedical courses run is as under-

- Diploma in Cardiology Technician
- Diploma in Medical Laboratory Technician
- Diploma in X-ray Technician
- Diploma in C.T. Scan Technician
- Diploma in MRI Technician
- Diploma in Dialysis Technician
- Diploma in Physiotherapy
- Diploma in Optometry
- Diploma in Sanitation
- Diploma in Radiotherapy Technician
- Diploma in O.T. Technician
- Diploma in Emergency & Trauma Care Technician
- Diploma in Blood Transfusion Technician.
- Diploma in Anaesthesia and Critical Care Technology
- Bachelor in Sciences (BSc) Radiotherapy Technology.

For overall development of their personality, Faculty of Paramedical Sciences also organizes various activities including sports and Cultural activities. Students are also trained in Computer and English.

New equipment/New services/New research facility added in the department –

- Computer -02, Printer-02, UPS- 01
- Development of Student Activity Room

National/ International awards/ memberships/ fellowships received by faculty, staff and students –

1. Prof. Anil Nischal, Dean, FOPMS

- Member, Subject Expert Committee for Neurology; Psychiatry, Drug Controller General of India, Ministry of Health; Family Welfare Government of India.
- Vice president cum President elect Indian Psychiatric Society- Central Zone.
- B.B. Sethi Oration Award of IPS-CZ for the year 2021.

2. Mr. Raghvendra Kumar (Tutor Diploma in OT Technician); Mr. Prahlad

- Maurya (Tutor Diploma in X-ray Technician) both were awarded with Health Hero Award by SUBOHI Foundation on World Health Day for Extension work during COVID\_19.

3. Mr. Vivek Gupta (Tutor Diploma in Physiotherapy Technician)

- Best Clinician Award organized by Physiotherapist W.Association Prayagraj, UP.
- Best Academician award in the first international Physiotherapy Conference organized by “physio excellence”, Bhopal, MP.

Name of Faculty members superannuated/obituary –Prof. Vinod Jain, Former Dean (tenure ended on 31.03.2022)

Name of new faculty member joined – Prof. Anil Nischal, Dean, Faculty of Paramedical sciences (joined on 1 April 2022), Ms. Bushra Iqbal, English Teacher (Part Time)

Workshop organized by Paramedical –

- Basic Life Support workshops (BLS)-17
- Bio Medical Waste Management workshops (BMW) -19
- Palliative Care Skill workshops -16
- Entrepreneurship workshop - Making India a Five Trillion Economy –

Entrepreneurship and Self Employment Opportunities for Youth on 10 th August 2022 Any value added/ enrichment program organized for students/Faculty/ Employees –

Soft Skill Lecture -16

- Synergy 2021- (Spread Happiness, Gain Positivity)- Celebrated by Faculty of Paramedical Online platform by

zoom meeting for all Faculty, staff and students.

- Diwali festival celebration on 2nd Nov 2021 organized by faculty of Paramedical sciences
- Annual sports meet – 5th Annual sports meet organized by faculty of Paramedical sciences 15 March 2022.
- Annual cultural Programme- Synergy organized by faculty of paramedical sciences on 30 march 2022.

Extension/Social/outreach activities at Departmental level –

- World health Day Covid-19 Awareness Activity by Paramedical Students in different districts on 04-Jul-2021
- World Population Day on 11-Jul-2021 organized Online E-Poster Competition for paramedical students.
- 75th Independence Day, celebration on 14-15th Aug 2021 Theme-“Azadi Ka Amrit Mahotsav” Singing Competition.
- ShlokPratiyogita- Sanskrit Week (Shlok recitation presented by students)

Participants required to explain the meaning after recitation. 19th Aug-25th Aug 2021.

- World Cancer Day-Guest lecture on Topic- Preventive aspect of oral cancer Dr. Parijaat Suryavanshi dated 04/10/2021.
- Constitution Day Celebration on 26th Nov.2021 by paramedical students participated in Quiz Competition; Speech Competition in English and Hindi both.
- Road Safety Week- Guest lecture by Mr. Saffudin (ACP) Lucknow 22/07/2021-28/07/2021
- Teacher's Day Celebration on 5th Sep 2022 by KGMU Students Council under the aegis of Dean Student Welfare Debate Competition on the Topic: Has Social Media brought us closer together?
- World Heart Day- celebration on 27th Sept. 2021-Poster and quiz competition by paramedical students.

Social Outreach Camp Paramedical Students actively participated in Health Camp in Various district (Bahraich, Balrampur, Sravasti, Lakhimpur) with NMO on 26-Dec- 2021 to 28-Dec-2021.

- Blood Donation day celebration on 26 July 2022. Awareness Rally; Nukkad Natak by paramedical students.
- MaatribhashaDiwas Celebration on 21st Feb 2022 activity Rangoli and Hindi Kavita Path Competition by paramedical students.
- World Environment Day celebration on 5th June 2022. by Faculty of Paramedical sciences with University Environment Department. Paramedical students participated in Poster Competition; Skit on SAVE EARTH.
- International Yoga Day Celebration on 21st June 2022 by faculty of Paramedical sciences
- World No Tobacco Day Celebration on dated 31st May 2022. Theme: - Tobacco Threat to our Environment (Guest Lecture- Speaker- Prof. Vijay Kumar (Head, Dept. of surgical oncology); Activity Poster competition by Paramedical students.
- AZADI KAAMRIT MAHOTSAV Celebration on date 20 Nov 2021 Har Ghar Tiranga activity by students and cultural Programme on patriotism (Translation of existing literature in all Indian language Programme).
- Clean Campus Awareness Programme; in New OPD, KGMU Campus by paramedical students in Association with KGMU GOONJ 89.6 Mhz; skit in New OPD on cleanliness on 25th April to 25th May 2022
- Gandhi Jayanti celebration on 2nd October 2022, Paramedical students participated in Mahatma Gandhi Jayanti Collage Making Competition; organized by Dean Student Welfare KGMU.

Landmark- Contribution in ChikitsaSetu App currently launched in 11 states (Hindi & English)

Covid-19 Specific Initiatives by Faculty of Paramedical Sciences

1. Made 33 Demonstrative Videos (English) for infection prevention.
2. Made 30 Demonstrative Videos (Hindi)for infection prevention.
3. Made Uniform Training Module for Health Care Workers in hindi and English available on KGMU website and used by Teaching Institutions of UP.
4. IPC Training given to masses and more than 8413 Health Care Workers and students of KGMU
5. Soft Skill Training for Paramedical Students and Teacher.
6. Facilitation of Placement of passed out students through Placement Cell.

KGMU, is unique to develop first organized comprehensive teaching and training of paramedical students and also started six months Internship for diploma students program to upgrade their skill in their respective fields. This is first ever program in UttarPradesh related to paramedical field.

It is also pertinent to mention that for first time in India KGMU Institute of Paramedical Sciences has started Continuing Para-Medical Education. Till date five CPME programs have been organized. Uniqueness of this program is that student prepared their presentation and presented before experts and peer group. They are mentored by experts to excel their academic pursuits.

## Dean Student Welfare, KGMU Dean: Prof. R.N.Srivastava

Office of the Dean Student Welfare at KGMU encourages scope, opportunities, and facilities for the all-round development of personality and leadership qualities among the students, and to articulate their creativity and aspirations to bring out the best in them.

DSW is actively involved in coordinating activities for the welfare of students by ensuring active participation of students in the management of hostels, food services, games, sports, cultural and literary activities, besides the academics and professional societies in each of the five Deaneries of Medical, Dental, Nursing, Paramedical and Research.

DSW activities in the University

KGMU Music Society

The KGMU Music society was formed under the aegis of DSW and inaugurated during the 75th Independence day week celebration. The society was created with the aim to engage musically talented students in club activities. Since its inception the society has performed on various occasions within the institute.

KGMU Student's Council

At KGMU, there is a robust, proactive KGMU Students Council, comprising of student members from the deaneries of medicine, dental, nursing, paramedical, and research under five Assistant Deans and Dean Student Welfare. The number of students was increased from 30 to 54 this year after directions and approval of Hon'ble Vice Chancellor. The KGMU Students Council actively participates in the decision-making of all the activities in making arrangements for the residence, messing, transport, supervision, and discipline of students residing in the University Hostels. There are inter-university sports and cultural activities that are organized around the year. This office also organizes debates, symposia, and quiz competitions on current issues in which students of all shades participate. These activities aim at shaping students into social assets, making them complete citizens alongside their academic accomplishments.

Meet Your DSW & Student's Help Desk

There is a Dean Student Welfare tab on the KGMU website where the students can find all relevant information, and a Student's Help Desk at DSW office is available for students on all working days from 9 am-5pm, where a dedicated person is available for any information students need to know. In addition, an innovative and a very popular initiative being offered to all students at KGMU is "Meet your DSW" – on phone 24 x7 or to personally meet DSW or Assistant Deans on every working day from 3-4 pm at the DSW office.

Social media presence of DSW

A DSW Instagram page ([dsw\\_kgm](#)) to make things more student- friendly is created where all the information regarding the upcoming events by DSW is available.

Student Counselling Centre at KGMU

A Student Counselling Centre is being managed at KGMU, keeping in mind the problems students face when they move out of their home for the first time. The center has been playing a vital role to channelize the energy of students in a positive and constructive manner having catered to almost 500 students till date.

Medical Insurance for all UG students at KGMU

All undergraduates and research scholar have a Basic Health Insurance Plan during their course/research duration. This health insurance covers the cost of any treatment received by candidate in King George's Medical University during their course/research duration.

Student Welfare Schemes

Following student welfare schemes have been initiated and running successfully

Awards to Meritorious Students of the University at Undergraduate Level Students holding top two positions in first, second and third professional examination of each discipline (MBBS, BDS and Nursing) will be awarded under this category. The Scholarship would provide financial assistance of Rs. 10,000/- and exemption of university tuition fees for the current year. Two students were awarded the scholarship this year.

Grant-in-aid for Students Presenting Research Paper in Scientific Events. Providing financial assistance to Young University Researchers (UG/PG/PhD) for offline oral/poster presentation of their research papers in National and International Scientific Events such as Conferences/ Seminars/ Symposia/ Workshops by a recognized National or International body. Reimbursement of registration fees and travel grant will be provided by the University.

Five applications have been received till date.

Financial aid for needy undergraduate students

The University has made provisions to provide financial aid to needy undergraduate students if they are unable to bear the expenses involved in pursuing their course.

In-campus part-time jobs :

The King George's Medical University has taken a novel initiative to make students develop their skills and make them reliant. Following the principle of to "earn while learning", the university encourages the students to take up part-time jobs in the campus, to support their expenditure partially under the in-campus job scheme.

7 students have been placed for various in campus jobs

Transport facility to differently abled persons/ students within the campus

KGMU shall provide transport facility within the campus to students with lower limb disability, and to provide conducive environment to differently-abled persons within the campus. This would ensure, timely reach to classes, and easily carryout their own work by themselves which will enhance self-esteem, and promote independence.

DSW Event of the month:

KGMU students' council under aegis of DSW not only organised an event every month but special occasions like Independence week celebration, Gandhi Jayanti and Sardar Vallabh Bhai Patel Jayanti were celebrated with zeal and ardor.

Mentor – Mentee Programme

The Mentor – Mentee Programme is successfully running in the University. A list of Mentor: Mentee (i.e., Faculty member: Students) in the ratio of 1:2 was shared with the students to let them know who their mentor would be during the entire duration of their course. Interactive session of Mentor-Mentee in the small groups of 50 students with their 25 mentors at the time of admission and at six-monthly follow-up shall be organized by DSW. A log book for proper documentation, is being provided to each mentee to address and mention their monthly meeting details and the details of all DSW schemes, important mobile number, website details and KGMU campus map for students' perusal.

New Hostel Policy-

There are inter-hostel sports and cultural activities every month that are organized and supported by this office. Further,

The Hostel Allotment Committee, under the guidance and directions of Hon'ble VC, KGMU has formulated a new policy which has been implemented from August 2021. All students of same batches in each discipline, are being kept together and have been assigned a specific hostel for them. None of the students, except BSC Nursing 1st year, are in triple seater rooms. The final year students of all UG n PG courses and the SRs have been kept in single seater rooms, and as soon the transit hostel becomes functional, all other PGs (Jr1 n Jr2) shall also be allotted single seater room. An attempt is being made to provide accommodation to PhD scholars in due course.

All residents to stay in campus for their availability when need be. In case the resident (SR n JR) decides to stay outside he/she may be allowed to do so, but HRA would not be available to them. HRA will be permissible only if Hostel Allotment Committee is unable to provide them a room and they have to make their own arrangements for stay. In no other circumstances, HRA will be permissible.

Nehru hostel is converted to an all girls hostel where accommodation to female Jr1 is being provided, with the male Jr2 and Jr3 residing in Nehru being transferred to TG hostel.

New Initiatives in Plan (To be implemented in 2023)

University Book Store - Currently more than 4000 students are studying in KGMU. There is at present no stationary or book shop in the campus. The University book store shall provide in campus facility of Syllabus and hobby books, Stationaries for all students and faculty in KGMU campus, a Xerox facility.

The proposal has been accepted by the Hon'ble VC, space allocation in Kalam Center has been made and the process of tendering and the MOU is being drafted.

Souvenir Shop The present and former students of King George Medical University will get an opportunity to purchase souvenirs of the University. The Office of Dean Student Welfare has is working hard to set up a souvenir shop that will put on sale a specially designed merchandise which will be a lot more than the usual mugs, t-shirts, hoodies and keychains.

The proposal has been accepted by the Hon'ble VC, space allocation in Kalam Center has been made and the process of tendering and the MOU is being drafted.

Award for any outstanding work / social activity / in sport or game participation at State, National or International level.

The SOP of this scheme is under preparation.

Amenity center for students having following facilities-

All weather Swimming pool, Table Tennis, Billiards, Squash, State of Art Gym with Steam and Sauna Bath, Coffee Shop / Cafeteria and a Banquet Hall. The proposal has been accepted by Hon'ble VC, and the space allocation has to be done.

Bus, Railway and Air travel Concessions to KGMU students - Make arrangements with Railway authorities for the issue of railway concessions to students during vacations, for educational tours and for students' participation in extracurricular activities and sports.

### **CMS Office** **In Charge: Prof S N Shankwar**

The Chief Medical Superintendent Office performed the following activities in the last year- Formation of various types of inquiry committees Redressal of all complaints received from the administration.

During visits of special and very special dignitaries to Lucknow district, the duty roster of doctors and paramedics in the car-cade was prepared, medical support system was strengthened and safe room prepared according to the instructions of the Chief Medical Officer, Lucknow Convened meetings of the hospital advisory committee regularly.

Solved the problems of all the needy patients who come to the Chief Medical Superintendent office on priority basis by providing assistance and quick resolution of their problems Verification of attendance of all employees working in the office by biometric system

Disposal of complaints / I.G.R.S references received on e-office.

Disposal of applications received under the Right to Information Act.

Making available answers to questions asked by the Legislative Assembly, etc.

Getting treatment/testing of prisoners referred from different districts.

Appropriate arrangements for implementation of treatment under Ayushman Bharat scheme and treatment of below poverty line (BPL) patients, poor patients, destitute and ill individuals and patients with difficult to treat illness

Keeping hospital premises thoroughly clean (clean-green).

### **Examination Cell** **Controller of Examination: Prof. Abbas A. Mahdi**

The number of examinations conducted by the office of Controller of Examinations, as well as examinees, has increased tremendously, more than ten times during last few years. Therefore, the management of examinations, which are held around the year, has become a challenging task.

However, with the active cooperation from all quarters, the examinations are being held as per

schedule and the results are also declared on time. The COE office conducted the examinations of various courses of the University in which a total of about eight thousand candidates appeared in the year of 2021-22. About thousand sets of question papers were prepared for conducting the examinations of various courses.

Convinced by the fairness of our examination process, Government of Uttar Pradesh, National Health Mission (NHM) and Director General Medical Education office requested the University to conduct many entrance/recruitment examinations for them. The University conducted over a dozen Entrance and Recruitment examinations during last year in which about fifty thousand candidates appeared. It is matter of great satisfaction that all the examinations were conducted on their fixed time schedule, maintaining absolute integrity, secrecy and sanctity and most of the results were declared within 48 hours of examination.



## Quality Control, Clinical audit, Assessment & Future Planning Dean: Prof Divya Mehrotra

The King George's Medical University has been an autonomous University of the state of Uttar Pradesh since 2002. Quality assurance is the responsibility of each and every stakeholder. Internal Quality Assurance Cell [IQAC], which was established in 2015 is a dedicated unit for quality endeavours of the university and is constantly working in alignment of its vision and mission for continuous improvement of quality and achieving academic excellence. Internal Quality Assurance Cell aims at attaining realistic quality benchmarks in teaching learning, patient care, research and administrative activities of the University, through periodic assessment, promotion of a conducive academic environment and sustenance of its institutional and human values. The Internal Quality Assurance System (IQAS) describes in detail about the functioning and scope of work of IQAC and is available at the university website.

To align with 7 quality criteria of NAAC, seven "Criteria Heads" (Deans/Senior faculty) were appointed to coordinate criteria related tasks. Each Criteria head selected a few faculty members as part of his or her team.

On 8th September 2021, IQAC presented a 3-hour presentation on its NAAC Rating in the Raj Bhawan, for which Hon'ble Governor appreciated our efforts. As we were approaching towards the termination of second cycle of NAAC accreditation, regular meetings were convened to update our preparation for next cycle.

The members of the cells are encouraged to participate and attend seminars / workshops related to Quality issues. A team of criteria heads and dean Q& P led by our Vice Chancellor attended "NAAC MANTHAN ", a sensitization activity organized by Governor of Uttar Pradesh at AKTU on 4th and 5th April 2022. Team of 2 Members from NAAC, Head Office visited our university on 7th June 2022, for clarifying our doubts for filling the Self Study Report.

Some of the activities of IQAC are summarized as follows: Regular IQAC Meetings Participation in World and National Rankings and Accreditation Development, Implementation and Analysis of Feedback Best Department Ranking Development and trial of FAS (Faculty Appraisal Software) Development of Guidelines: Quality Policy Conducting Seminar/ Webinars/ workshops / lectures on Quality enhancement Career Guidance Coding of All academic Programmes and courses of the University Strengthening of networking with Georgian fraternity Sensitization sessions for NAAC, Sustainable Development Goals (SDG) 2030 and National Education Policy (NEP) 2020 Conducting workshops on Gender Equity and Women Empowerment Organizing Motivational Talks, Cultural Programs Interactive sessions with Students and employees

IQAC conducted several workshops and activities to build the quality culture among faculty members of KGMU. Two days webinar on " Attainment of Quality benchmarks in Medical Education" was conducted in collaboration with ECHO India on 3rd and 4th December 2021. The webinar was attended by more than 900 participants from across the country, while some delegates also joined from the UK. To create awareness for National Education Policy 2020, a sensitization session was organized on 31st January 2022. A webinar on " Copyright why and how and KGMU IPR policy" was organized on 26th Feb 2022. To optimize the handling of professional networking, a hands-on workshop was conducted for students and faculty on "Networking with LinkedIn for medical professionals" in Kalam Centre on 13th May 2022. A webinar on " Avenues in Public Health" was organized to help students to find career options in the field of social medicine. Also, a faculty development activity for Developing e-content was conducted on 21st June 2022. To promote gender equity, IQAC organized a cultural event "TEZASWANI" on 8th March 2022.

## Central Library Faculty In-charge: Prof. Apul Goel

### *Physical/Digital infrastructure augmentation:*

Seating Capacity	:	Increased 129 seats (500 seats-2021)
Reading hours	:	09:00 AM to 06:00 AM
No. print Books	:	Increase 179 books (44651 books-2021)
Print Journals	:	Increase 14 titles (225 titles-2021)
Online Journals	:	Increase 85 titles (1040 titles-2021)
Online Books	:	Increase 253 titles (3861 titles-2021)
Back volume Journals	:	Increase 14 bound Jr. (29386 titles-2021)

Database	:	Increase 02 database (08 database-2021)
Consortium	:	Increase 01 Consortium (01 Consortium-2021)
CD's	:	Increase 167 CD's (1149 CD's-2021)
Manuscripts/Thesis	:	Increase 252 titles (3633 manuscripts/thesis -2021)
Computers	:	Increase 10 Computers (36 Computers-2021)

Name of New Services Added in department:

Theme (Clinical Collection of India): Online platform of Theme publisher containing 57 e-books.

Open Air Library

Membership of DENLET (Developing Library Network):

My LOFT (My Library on fingertip): My LOFT is a mobile app platform to provide access to online contents on their smartphone and can access the library 24x7 from anywhere.

Scientific Workshop/Conference/CME/Meeting ORGANIZED by Department/ (Give the details of only those workshops which have been organized by the department):

Central Library, KGMU, Lucknow has organized workshops "How to do literature search using PubMed/Cochrane/Mendeley" on the occasion of National Library Day by Ms Vasumati Sranganesh, Founder & CEO, QMed Knowledge Foundation, Mumbai.

Online Workshop on Improving research writing using Grammarly for KGMU

Online meetings organized by ERMED/Others and coordinated by the Central Library:

Maya Edu - Artificial Intelligence based Mobile application/ Web-based platform for Imparting Digital Medical Education focusing on Clinical Reasoning and Critical Thinking to be used by Faculty, Clinicians, Researcher and Student on dated 26th Nov 2021.

BMJ awareness session for the doctors at KGMU on dated 06th April 2022.

BMJ -Webinar training-cum-awareness of ERMED resources for Access/ Download articles from e-journals subscribed for ERMED consortium for the year 2022 on dated 09th May 2022.

Cambridge University Press-Webinar training-cum-awareness of ERMED resources for Access/ Download articles from e-journals subscribed for ERMED consortium for the year 2022 on dated 18th May 2022.

Lippincott W & W (Wolters Kluwer)- Webinar training-cum-awareness of ERMED resources for Access/ Download articles from e-journals subscribed for ERMED consortium for the year 2022 on dated 10th May 2022.

Oxford University Press -Webinar training-cum-awareness of ERMED resources for Access/ Download articles from e-journals subscribed for ERMED consortium for the year 2022 on dated 17th May 2022.

Wiley -Webinar training-cum-awareness of ERMED resources for Access/ Download articles from e-journals subscribed for ERMED consortium for the year 2022 on dated 26th May 2022.

BMJ India webinar series "Role of clinicians in combating antimicrobial resistance (AMR) on dated 27th May 2022.

Wiley -Webinar training-cum-awareness of ERMED resources for Access/ Download articles from e-journals subscribed for ERMED consortium for the year 2022 on dated 10th August 2022.

Wiley is organized- Introduction to Cochrane Library on dated 14th September, 2022

Wiley is organizing- Methodology of Cochrane reviews and its relevance to day to day clinical practice on dated 21st September 2022.

QMed's Fortnightly Webinar on dated 19th Oct 2022.

RemoteXs Admin/User Training on dated 27th and 28th Oct 2022.

Mendeley : The Crucial Elements on dated 16th Nov 2022.

Free Trial Access by Publisher:

Grammarly - 45 days trial access started on 02nd September, 2022 access for KGMU Lucknow.

EMBASE (Elsevier) :Indexing of full-text content and dedicated search terms, you find all relevant and current results. Free trial access will continue till 31st January 2023.

Any other information:

The Central Library is subscribing to the following online platforms:

Clinical key- Online platform of Elsevier containing 708 e-journals, 982 e-books, procedure video's and etc.

ClinicalKeyStudent- Online platform of Elsevier containing 555 e-books.  
Eduport global- Online platform of CBS Publisher containing 577 e-books.  
Springerlink- Online platform of Springer containing 1640 e-books.  
Nature research- Online platform of Springer containing 84 e-journals.  
BMJ Best Practice- Online platform of BMJ containing evidence-based guidance on diagnosis, prognosis, treatment and prevention.  
BMJ Case Report- Online platform of BMJ it give facilitate to article for peer reviewed and copy edited before publication.  
UpToDate- is an evidence-based, physician-authored clinical decision support resource which clinicians trust to make the right point-of-care decisions.  
Thieme (Clinical Collection of India)- Online platform of Thieme Publisher containing 57 e-books.  
Accessmedicine- Online platform of McGraw Hill Publisher containing 229 e-books.  
ERMED Consortium- Online platform of NML containing 242 e-journals.  
DELNET (Developing Library Network)- Online platform of e-journals, e-books and etc.

## **IT Cell** **Faculty In charge: Dr Richa Khanna**

Information Technology Cell contributed in facilitation of technology integration for healthcare, research and education at King George's Medical University, Lucknow.

Hospital Information system - e Hospital was further strengthened with complete online diet entries across the hospital of KGMU for all admitted patients. Patient wise billing (a consolidated bill summary) was facilitated for smooth utilization of funds in government funded schemes. Advance module was started in the year 2022 to reduce frequency of cash transactions have been fully implemented in Queen Mary Hospital, Obstetrics and Gynecology department of KGMU. This module has also started in departments of Shatabdi hospital, CTVS, Geriatric Mental health, Critical Care medicine and is under implementation in several other departments. Day care ward facility is also fully functional across all wards as required.

Online Registration Services (ors.gov.in) for providing facilities to patients for booking appointments for OPD has been strengthened by a physical facility setup of call centre. A ten seater call centre is setup to support and help public/patients to book online OPD appointments.

The service is free of cost to patients. An alternate PRI line of JIO is also added to the existing BSNL PRI line to smoothen the services.

IT cell supports the Central Security Surveillance of the University by means of nearly 400 CCTVs across campus with support of LAN framework, securing the campus 24 hours a day. Approximately 150 CCTV cameras have been installed in the year 2022 to add to the digital surveillance for the University. Integration of cameras with the National Medical Commission has also been done.

Biometric attendance system is installed and made functional for all permanent employees and faculty. A total of 110 machines (finger and/or face recognition) have been installed at strategically important locations across the campus for facilitation of marking of attendance. In collaboration with the Finance Department, linking of attendance to salary is also being done.

IT cell is contributing towards the e-governance initiatives of the University. Online leave management system (Manav Sampada portal) is fully implemented now for both faculty and permanent employees. The e-office system of file management has also started with few categories of file movements already successfully done across several administrative offices of the University. E -service book process has also started with filling of initial demographics for all faculty and permanent employees.

Online dashboards - Trauma bed status, Trauma duty lists and KGMU activities dashboard are updated and maintained by IT cell.

IT cell has extended to collaborate with Mahatma Gandhi Institute of Health Informatics, Jaipur, Rajasthan under an MOU. Within this collaboration student exchange was initiated. Two students from the institute visited KGMU for one month and helped in data analytics.

## Research Cell

### Faculty In charge: Prof. Shally Awasthi

*Co-faculty in charge: Dr. Saumyendra V. Singh*

*Coordinator, Research Capacity Building Activities: Dr. Nisha Mani Pandey*

There are 239 ongoing projects in 37 departments with extramural funding through various agencies in the year 2021-22. Out of which 171 were govt. Agencies sponsored; 21 were International Agencies sponsored and 47 were Industry sponsored Research Projects.

A total of Rs. 24.36 crores were received as extramural funding during the financial year 2021-22. Out of which Rs. 19.56 crores were received from Government Agencies; Rs. 2.89 crores received from International Agencies and Rs. 1.91 crores from Pharmaceutical companies. Funds have been received from National & International funding agencies like Bill & Melinda Gates foundation, USA; JIV DAYA Foundation; UNICEF; DHR; DBT; ICMR; DST; UPCST etc.

The University has ICMR and GCP Standard compliant Institutional Ethics Committee with competent internal and renowned external members.

The Institutional Ethics Committee has been registered with DCGI vide registration No. ECR/262/Inst/UP/2013 dated 05.06.2013, has been re-registered vide registration No. ECR/262/Inst/UP/2013/RR-16 dated 21st June 2017 for three years and again vide registration No. ECR/262/Inst/UP/2013/RR-19 dated 28th November 2019 for 5 years.

Institutional Ethics Committee is also registered on Naitik portal vide File No. - EC/NEW/INST/2020/1070 dated 26-Feb-2021

During the last one year, Institutional Ethics Committee met 11 times and had reviewed 523 new research proposals including National and International sponsored research projects; PG and PhD Thesis work; Intramural research Projects and Clinical Trials. Also reviewed 15 modifications.

A total of 14 PhD scholars have been awarded PhD degree in last one year. Till date 16 students have joined PhD program of KGMU for the session 2022-23.

The University has continued its support to young faculty and students for doing research. In the year 2021-22 Intramural Research Projects amounting to a total of Rs. 31.04 lakh have been sanctioned for funding to 11 faculty members, 09 resident doctors and 06 undergraduate students.

New Major R & D Initiatives:

SIB SHINE (Synergizing Health Care Innovation and Entrepreneurship)

Bio-Incubator initiative funded by DBT (2021-2026) with IIT (10 crores)

Train 50 Post Graduation Fellows in next 5 years in Biomedical innovations

Cochrane Center at KGMU

Advanced Mycology Diagnostics and Research Center - Department of Microbiology (Prof. Prashant Gupta)

Establishment of Genetic Diagnostic Unit-National Inherited Diseases Administration (NIDAN Kendra) at King George's Medical University

Component 1: Prenatal testing for genetic disorders: Beta thalassemia, sickle cell disease and other hemoglobinopathies

Component 2: New-born screening for relatively common treatable genetic metabolic disorders

Department of Biotechnology, Government of India -Unique Methods of Management of Inherited Disorders (UMMID) initiative- Department of Pathology (Dr Mili Jain) in collaboration with Departments of Pediatrics, Obst. & Gynae and Clinical Hematology

Upcoming Center for Precision Medicine - In collaboration with overseas KGMU alumni

KGMU Faculty in Top 2% Global Scientists by Stanford assessment in year 2021:

Prof. Rashmi Kumar (Retd), Department of Paediatrics

Prof. Shally Awasthi, Head, Department of Paediatrics

Prof. R.K. Garg, Head, Department of Neurology

Prof. Amita Jain, Head, Department of Microbiology

Prof. Surya Kant, Head, Department of Respiratory Medicine

Prof. Abbas Ali Mahdi, Head, Department of Biochemistry

Prof. Rajesh Verma, Department of Neurology

Prof. Divya Mehrotra, Department of Oral & Maxillofacial Surgery  
Dr. Sujita Kumar Kar, Department of Psychiatry

Research Cell organized the following workshops/Conferences:

"Research Showcase"

"Research Showcase" was organized on 9th November 2022 at Scientific Convention Centre. Prof. K. Srinath Reddy, Padam Bhushan, Former President, Public Health Foundation of India was the Chief Guest and he also delivered the "Prof. Devendra Gupta Oration" on topic "Pathways of Health Research: Purpose, Process, Products, Partnerships".

"The Professor Dhavendra Kumar Young Investigator Gold Medal" was awarded to Dr. D. Himanshu, Department of Medicine for the year 2021.

Dr. Vangala Ramakrishna who had done his PhD under the guidance of Prof. Amita Jain, Department of Microbiology received the award for "Vice Chancellor's Medal for Best PhD Thesis".

In addition, posters of KGMU faculty & students' publications were displayed and best poster awards were distributed to Dr. Wahid Ali, Pathology for Pre-Clinical; Dr. Prashant Gupta, Microbiology for Para-Clinical; Dr. Sujita Kumar Kar, Psychiatry for Clinical Medical; Dr. Siddhartha Agarwal, Ophthalmology and Dr. Harsh Vardhan, Plastic surgery for Clinical Surgical; Dr. Shalini Gupta, Oral Pathology & Microbiology for Dental; Dr. Deep Chakraborty, SR, Radiotherapy for Postgraduate student; Mr. Shubhajeet Roy, MBBS-2019 Batch for Undergraduate Student and Mr. Vishal Lodhi, MBBS-2017 Batch for Intramural category

Organized "Postgraduate Seminar Series – 2022"

Roadmap for health research (considerations in formulating a research question, hypothesis and objectives) - Prof. Shally Awasthi on 19-09-2022

Strategies for literature review - Dr. Balendra P Singh on 21-09-2022

Study design in clinical research - Dr. Saumyendra V. Singh on 22-09-2022

Variables and its measurement - Dr. Hardeep Singh Malhotra on 23-09-2022

Biostatistics: Sample Size calculation - Dr. Abhishek Singh on 27-09-2022

Biostatistics: Descriptive statistics - Dr. Sandeep Bhattacharya on 28-09-2022

Biostatistics: Types of error in testing the hypothesis - Dr. V.K. Singh on 29-09-2022

Ethics in research - Dr. Nisha M. Pandey on 30-09-2022

Guidelines for writing a research proposal - Dr. Vikas Verma on 11-10-2022

Writing a dissertation/ thesis - Dr. Shrikant Srivastava on 12-10-2022

Publishing Research: research article submission guidelines - Dr. Apul Goel on 13-10-2022

Plagiarism: copyright, intext citation, journal referencing - Dr. Sujita Kr. Kar – on 14-10-2022

Also organized:

"International Webinar on Mixed Method Research" on 9th May 2022. The two-hour-long webinar focused on How to Conduct Semi-Structured Clinical Interviews in Mixed Methods Research with evidence-based practical tips. This program was intended for the enhancement of the research skills of Faculty members/ Health professionals/ Ph.D. Scholars/ Postgraduate students. The speaker of the program was Dr. Jared D Kass, Visiting Scholar with the Benson-Henry Institute for Mind-Body Medicine at Massachusetts General Hospital in Boston. In addition, he is a Fulbright Specialist in Global/Public Health (Approved Candidate Roster), an international program for scholarly exchange supported by the Bureau of Educational and Cultural Affairs, U.S. Department of State.

Basic Course in Biomedical Research on 23rd & 24th June 2022

Foundation Course Lecture Series in August & September 2022 for PhD scholars

## **Innovation Cell** **Faculty In-charge: Prof Rishi Sethi**

Two major achievements of the university were led by innovation cell this year. For the first time in its history an 'Intellectual Property Policy' was drafted and implemented in the university. This IP policy sets rules and guidelines for the ownership and revenue sharing of all the intellectual property (patents and copyrights) created by faculty, employees, students and researchers working in the university. A new centre for innovation and entrepreneurship was also inaugurated on 1st of September 2022. This School of International Biodesign - Synergizing Healthcare, Innovation and Entrepreneurship (SIB-SHInE) is a joint collaborative venture of KGMU and IIT Kanpur and has been funded by Department of Biotechnology government of India. The Executive Director of this program is Prof Rishi Sethi from the department of Cardiology. Nine fellows from all across India are presently undergoing training in biomedical innovation and entrepreneurship at SIB SHInE. Over a period of next 5 years SIB SHInE aims to train 50 Fellows and help create 15-20 MedTech Start-up Companies.

## **Centre for Advance Research** **Head: Prof. Amita Jain**

New equipment/New services/New research facility added in the department  
Biosafety hood, CO2 incubator, Cooling Centrifuge.

Details of Faculty with active role in National/ International institutes/ Industries/  
Editorial boards/ any other (specify)

1. Editorial board member in International Journal of Genetics and Genomics since 2022. (Dr.Nitu Nigam)
2. Board Member in Annals of Cardiology case reports. (Dr.Nitu Nigam)
3. Board member of MC Medical Sciences (MCMS) journal. (Dr.Nitu Nigam)
4. Board member Obstetrics Gynecology and Reproductive Science. (Dr.Nitu Nigam)
5. Indian Journal of Medical Specialities (Assistant Editor) (Dr.Nitu Nigam)
6. Editor-in-Chief of the Journal "VirusDisease", Springer Nature. (Prof. Shailendra K Saxena);
7. Associate Editor of the Journal "Infection, Genetics and Evolution", Elsevier B.V. (Prof. Shailendra K Saxena);
8. Associate Editor, Frontiers in Immunology, The official journal of the International Union of Immunological Societies (IUIS) (Prof. Shailendra K Saxena);

Prof. Shailendra K Saxena has been awarded the fellowship of The Royal College of Pathologists, UK and became member of The International Committee on Taxonomy of Viruses (ICTV).

Details of Patents filled by Faculty members

2 Patents filed ( Dr. Ashutosh Shrivastava)

02211031674 Metabolite Biomarkers for Diagnosis and progression of Obstructive Sleep Apnea.

202211049669 Metabolite based Urinary biomarkers for Screening, Diagnosis and Progression of Obstructive Sleep Apnea.

Eminent visitors (National/International) to the department for any academic/research activity

Prof. Dhavendra Kumar, Hon. Professor William Harvey Heart Research Institute, QMUL, London, UK (d.kumar@qmul.ac.uk)

Hon. Consultant in Clinical Genetics / Cardiovascular Genetics, Barts Heart Centre, St. Barts Hospital, London visited Department on 18 and 19 Nov. 2021.

Five best publications of the department

i. Saxena SK\*, Kumar S, Ansari S, Paweska JT, Maurya VK, Tripathi AK, Abdel-Moneim AS.

Transmission dynamics and mutational prevalence of the novel severe acute respiratory syndrome coronavirus-2 Omicron Variant of Concern. *J Med Virol.* 2022; 94(5): 2160-2166. doi:10.1002/jmv.27611. PMID: 35050521.

ii. Saxena SK\*, Kumar S, Ansari S, Paweska JT, Maurya VK, Tripathi AK, Abdel-Moneim AS.

Characterization of the novel SARS-CoV-2 Omicron (B.1.1.529) variant of concern and its global perspective. *J Med Virol.* 2022; 94(4): 1738-1744. doi: 10.1002/jmv.27524. PMID: 34905235.

- iii. Nigam N, Bhatnagar S, Gupta H. Cardiovascular Diseases: A Molecular Diagnostic Approach J Clinical Research and Clinical Case Reports. DOI: <http://doi.org/04.2021/1.1039>
- iv. Singh A, Kant R, Nandi S, Husain N, Naithani M, Mirza AA, Saluja TS, Srivastava K, Prakash V, Singh SK\*. Detection of differential expression of miRNAs in computerized tomography-guided lung biopsy. Journal of Cancer Research and Therapeutics. 2022 Jan 1;18(1):231. (IF-1.805)
- v. Tomar MS, Kumar A, Srivastava C, Shrivastava A\*. Elucidating the mechanisms of Temozolomide resistance in gliomas and the strategies to overcome the resistance Biochem Biophys Acta Rev Cancer. 2021 Aug 20;1876(2):188616. 10.

#### Books:

- i. Saxena S.K. (Ed.). "Drug Repurposing - Molecular Aspects and Therapeutic Applications" 2022. ISBN 978-1-83969-957-3. IntechOpen Ltd., London (UK). Paperback: 384 pages.
- ii. Saxena S.K. (Ed.). "High-Throughput Screening for Drug Discovery" 2022. ISBN 978-1-83962-947-1. IntechOpen Ltd., London (UK). Paperback: 128 pages.

#### Book Chapters:

- iii. Saxena, S. K. , Maurya, V. K. , Ansari, S., Kumar, S., Maurya, S., Gupta, A., Tripathi, A. K., Puri, B. (2022). High-Throughput Screening - A New Tool for Precision Medicine. In (Ed.), High-Throughput Screening for Drug Discovery. IntechOpen. UK.
- iv. Gupta, A., Kumar, S., Maurya, V. K. , Puri, B., Saxena, S. K. (2022). High- Throughput Screening for Drug Discovery toward Infectious Diseases: Options and Challenges. In (Ed.), High-Throughput Screening for Drug Discovery. IntechOpen. UK.
- v. Gupta, A., Theengh, A., Kumar, S., Maurya, V. K. , Kumar, S., Puri, B., Saxena, S. K. (2021). Trends in Molecular Aspects and Therapeutic Applications of Drug Repurposing for Infectious Diseases. In (Ed.), Drug Repurposing - Molecular Aspects and Therapeutic Applications. IntechOpen. UK.
- vi. Nitu Nigam, Prithvi Kumar Singh, Suhagini Bhatnagar, Sanjay Kumar Nigam and Anil Kumar Tripathi, An Early Diagnosis of Thalassemia: A Boon to a Healthy Society, Thalassemia Updates and Novel Developments, IntechOpen. October 18th 2021

Scientific workshop/ CME/ Conferences/Webinar/ organized by department  
International Symposium on Precision & Personalized Medicine (19th November 2021)

Any value added/ enrichment program organized for students/Faculty/ Employees  
Department had started Journal club and seminar series for students as well as faculties of the university.

#### Organized Lectures:

1. Organised motivational lecture by Dr Mohit Gupta, Professor of Cardiology, GB Pant Hospital, New Delhi, At Kalam Centre , KGMU, on 6 th May 2022.
2. Social outreach programme organized by faculty  
Guru Gorakhnathswasth seva yatra -2021

### **Women Empowerment Cell** **In charge: Prof Punita Manik**

In compliance with vision of Honorable Governor of Uttar Pradesh and Chancellor, King George's Medical University, Lucknow, the Women Empowerment cell/ Mahila Addhyan Kendra was established in the University on 31.05.2021. The cell aims to contribute towards upliftment of women in society. The specific objectives are to motivate females towards education, health, self- respect and financial independence. Additionally, it aims towards spreading awareness about social practices against women and their legal rights. Special emphasis is given to women belonging to rural areas.

The cell is required to work in three directions with organization of awareness drives, social outreach programs and conduction of programs monthly on designated days. The University is active in conducting various programs throughout the year, which align with the programs given by Governor office and also with women empowerment. As part of social outreach programs, the cell organizes events like health and dental check-up camps, self-breast examination, plantation drive, awareness on personal hygiene, oral health awareness, hand hygiene, menstrual hygiene, malnutrition and anemia, breast feeding, breast and cervical cancers, sanitary napkin disposal, Covid-19 and fungal infections and psychological counseling in rural areas on a regular basis for females and children in 10 adopted villages.

In the year 2022, the core committee of WEC organized a week long program from 6 th March to 12th March to mark the International Women's day celebration. The cell was inaugurated by the Honorable Governor following which activities like panel discussion on menstrual hygiene, debate on the topic "Matriarchal society: is it a better way of living?", nukkad natak on "Antenatal health for healthy pregnancy", awareness and check-up campaigns on breast cancer for employees of KGMU, a cultural program showcasing talents of women and pink think for resolution of complaints were organized.

A work shop was organized for KGMU students for awareness on "Medicolegal issues in sexual violence cases" in coordination with AALI (Association for advocacy and legal initiative trust).

Breast feeding awareness camp was organized in the OPD during the breast feeding week. Installation of sanitary napkin disposal machine was initiated in various hostels of the campus.

For awareness drives, Janjagriti abhiyan (general health and hygiene awareness), adolescent health & menstrual hygiene initiatives, counselling and rehabilitation of child abuse/rape victims through Samadhan initiative and initiatives in collaboration with other NGO's like Arogya Bharti, Rotary club, etc. were undertaken.

### **Proctor Office In charge – Prof Chhitij Srivastava**

King George's Medical University has a Proctorial system where administration related matters pertaining to all acts of indiscipline are delegated to the Proctorial Board.

Proctorial Board is chiefly responsible for ensuring that rules and regulation framed by Institute are being followed by the students and employees.

Cases of indiscipline or indecent behavior, cases of individual/ group harassment, threats, manhandling as well as cases of ragging are dealt strictly by the Proctorial Board.

#### **Activities and achievements**

Student activities - Three day annual cultural event, Rhapsody 2022 was organized on 22nd to 24th October 2021 at Convention centre, KGMU. Daily evening practice session by students were started 10 days prior of function. Strict discipline by Proctorial board members was maintained through the practice session and during Rhapsody function.

KGMU has zero tolerance toward ragging. Strict vigilance by Proctorial team was ensured to check ragging incidences

Parking management – KGMU has turnover of more than 1000 four wheeler and 5000 two wheelers. Proper parking with limited space is challenge. Proctorial team does daily rounding of campus to ensure proper parking management

Canteen management – Hygiene of food served in different canteens and mess of KGMU is of utmost importance. One new canteen with improved ambience started functioning at 1905 building. One new canteen for patient attendants was started adjacent to MRI building. Canteen Committee regularly check and supervise cleanliness of food served in different part of KGMU.

Aesthetic management – Proctor office in collaboration with aesthetic committee look after the beautification of KGMU campus. It has worked in developing new parking areas, patient waiting areas, road widening, signages and measures for traffic management.

Security of KGMU campus-Whole of KGMU campus is divided in six security zones. Proctorial team with the help of guards and in collaboration with local police is actively involved in maintaining law and order and provide safe environment to patients, attendants and employees of university. Proctorial board members were also involved in surprise checks at trauma centre on a daily basis at odd hours to improve functioning of trauma centre.



## **KGMU Institute of Skills – Center for Advance Skills Development Incharge-Prof. Samir Misra**

We believe “Skill Saves Life”. With this concept, KGMU Institute of Skills which is later designated as Center for Advance Skill Development has been established to have safe and skilled Doctor, Nurses and Paramedical personnel. It is developed in campus of King George's Medical University, UP, Lucknow, having facilities to conduct various skill courses. Skill center has dedicated instructors and required manikins to run various Skill courses. This skill institute is first and only of its kind in Government sector of India.

It is very heartening to communicate that for the first time soft skill training module for Health Profession, prepared by KGMU has been started under Center for Advance Skills Development.

Be started first and only Soft Skill Module for Health Professionals at KGMU, UP, Lucknow and held workshop on 16 March 2019 – First in Uttar Pradesh as a Chief Guest BKShivanifrom Mount Abu. We have organized various Skill Workshops i.e. ATLS (Provider and Instructor Course), Biomedical Waste Management, Palliative Care Skills, Basic Life Support and Soft Skills Workshops for Paramedics, Nurses, Doctors and Medical Students.

As per Social outreach program Skill center proactively conducted Life Saving Skill courses in Gonda, Ram Sanehi Ghat – Barabanki, Police Line (Lucknow), Sitapur and Lakhimpur.

More and more skill courses will be added next year for hard skills, procedural skills and soft skills. Demand for Advanced manikin, simulators and posts have been sent to U.P. Government for sanction. We are hopeful for positive response soon.

Last year (2022) 17 BLS workshops (Basic Life Support), 6 ATLS Provider Courses (Advance Trauma Life Support), 2 ATLS Instructor Courses (Advance Trauma Life Support), 09 BMW Skill workshops (Biomedical Waste Management), 04 Soft Skill Workshops and 06 Palliative Care Skill workshops, 02 Pregnancy Simulator Workshop were conducted in which about 1,310 were trained to up skill their existing knowledge.

Prof. M. C. Misra, ATLS India Chair and Vice Chancellor, Mahatma Gandhi University of Medical Sciences and Technology, Jaipur visited KGMU and stayed for 3 days to observe Skill Courses conducted at KGMU. He highly appreciated the Zeal and work done by Skill Instructors and support staff including Clinical Coordinator of KGMU.

This skill institute is committed not only to train medical, dental, nursing and paramedical students of King George's Medical University, UP, Lucknow but also same for other medical colleges of UP and across India as well as staff of other hospitals with basic motto – “Skill Saves Life.”

## **Department of Health Research-Multidisciplinary Research Unit (DHRMRU) In charge: Prof Raghuwar Singh**

Progress Report of the Department of Health Research-Multidisciplinary Research Unit (DHR-MRU) at King George's Medical University for the year 2020-2021

The Multidisciplinary Research Unit at King George's Medical University, Lucknow funded by Department of Health Research was established in the year 2018. The DHR-MRU is mainly focussing on research related to non-communicable diseases. The MRU laboratory is divided into four major facilities:

1. Molecular Biology and Genomics
2. Cell culture
3. Proteomics
4. 3D printing-surgical planning

DHR-MRU provides infra-structural support to the students and research scientist from various departments of the University and also to the research personnel in other institutions.

This year DHR MRU received 13 research proposals out of which 6 proposals were approved for funding. Currently, DHR-MRU is supporting 28 research projects on different aspects proposed by faculties and students from various departments (details of the ongoing projects are tabulated below). The projects are received through the online portal of project submission

[www.kgmudhmrnu.in](http://www.kgmudhmrnu.in) and were reviewed by the Research Advisory committee.

The DHR-MRU is involved in multi-dimensional research areas that include onco-genomics and onco-proteomics of diseases like oral potential malignant disorders, oral squamous cell carcinoma, thyroid cancer, cervix cancer and breast cancer. Also, research work related to application of bio-scaffolds and stem cells derived from dental pulp tissue in bone healing and regeneration is in progress. The MRU has initiated the interdisciplinary research on therapeutic potential of medicinal plants for various diseases.

Advance research in the field of 3D printing and surgical planning has been approved by the research advisory committee for its application in breast cancer and other craniofacial defects. Innovation in medical device designing was promoted through a research proposal on bone lengthening.

4 MD/MS/MDS students and 2 PhD students were supported by DHR MRU for their thesis work.

Besides, ICMR Research Associateship was awarded to 2 Post-doctoral researchers for conducting research their research projects under the facility available at the DHR-MRU, King George's Medical University

The Unit upgraded the 3D printing and surgical planning facility with Mimics Innovation suit software. The software has its application in for 3D surgical planning of the craniofacial region and designing of surgical guides and implants. Other equipment added this year includes a 3D bio-printer, capable of printing bio-scaffolds for repair of various bony defects. Other equipment added to the facility includes a Real-time PCR analyser, vacuum concentrator and refrigerators.

The facilities at the DHR MRU are fully functional and are attracting the researchers and students to conduct experiments on various aspects of non-communicable diseases. Following past research work, 6 projects supported by the DHR-MRU have reached completion.

19 research papers were published.

## **Department of Medical Education**

### **Head: Prof Shally Awasthi**

NMC Regional Centre for the purpose of providing training in Medical Education Technology has organized five Revised Basic Course Workshop for satellite centre in which 150 faculty trained from different medical colleges of Uttar Pradesh.

Master in Health Professional Education (MHPE) course is being organized here for the academic year 2021-2023, 6 students registered in MHPE course and in academic year 2022-24, 4 students registered in MHPE course.

Organized "Development of Electives hands on workshop" on 09th April 2022 at Kalam Center, KGMU in which 18 electives developed in block-1 and 34 elective developed in block-2.

Department of Medical Education celebrated 5th Late Dr. APJ Abdul Kalam oration on 17th October 2022 with oration by Dr. Nikhil Tandon, Professor and Head, Department of Endocrinology and Metabolism, AIIMS, New Delhi, he delivered the oration on the topic "Harnessing Technology for Skill Enhancement in Medical Training".

Three of our faculty Dr. Vimala Venkatesh, Professor, Dept. of Microbiology, Dr. Anjoo Agarwal, Professor, Dept. of Obstetrics & Gynaecology and Dr. Garima Sehgal, Associate Professor, Dept. of Anatomy have registered for advanced course in Medical Education and Dr. Pooja Ramakant, Professor, Dept. of Endocrine Surgery and Dr. Shalini Bhalla have completed advanced course in Medical Education in November 2021

## **Sports**

### **Faculty In-charge: Prof B K Ojha**

KGMU participated in AFMC's Silhouette '22 from 5-8 May, 2022 College team of Basketball and Football participated and both teams played quarter finals.

Sumit Kumar Singh (MBBS 2020) participated in athletic events and was 2nd runner up in 1500m race.

Achal Kundu (MBBS 2018) participated in weight lifting and finished 1st runner up.

Mayank Dhiman (MBBS 2020) participated in Table Tennis men's single and played quarter finals.

Deepak Agarwal Memorial Georgian Premier League was organized from 21-25 May 2022 by 2019 batch. Activities included

Day Night Tennis Ball Cricket tournament involving Medical and Dental teams from Lucknow. Total 32 teams participated.

8 overs- League Matches

10 overs- Semis and Final

Winning Team Men- Georgians (KGMU faculty and Residents)  
Winning Team Women- KGMU MBBS 2020 batch  
Runner Up team Men- KGMU MBBS 2017 batch  
Runner Up team Women- KGMU Dental Residents,  
Man of the Tournament- Dr. Hisam Rehman (JR, Community medicine and public Health, KGMU)  
Woman of the tournament- Rachna Singh (MBBS 2020)  
Best Bowler(Men's)- Dheeraj Sharma (MBBS 2017)  
Best Batsman- Dr. Hisam Rehman (JR, Community medicine and public Health, KGMU)

Georgian Inter Medical Basketball Tournament was organized from 12-15 September, 2022 for Medical and dental teams from Lucknow. Total 9 teams participated.

8 minutes running quarter time- League Matches  
10 minutes running quarter time- Semis and Finals  
Winning Team- KGMU college Team  
Runner Up team- KGMU MBBS 2018 Batch

## **Alumni Cell**

### **Faculty In-charge: Prof. Sudhir Singh**

Alumni Cell has conducted various academic activities. Details are as below-

Clinical approach to suspected sepsis by Dr Itisha Gupta,  
Clinical approach to Joint Pain by Dr Ira Pandey,  
Surgical approach to chronic joint dysfunction by Dr Sanjeev Agarwal,  
Chronic heart failure-and new developments by Dr Yadu Singh,  
Preventable vision impairment-and management by Dr Inderjit Singh  
Neuro-psychiatric outcomes of childhood trauma by Dr Vivek Sharma on 21 Jan, 2021.  
Dental Amalgam phase- down: Marching towards Mercury free Dentistry by Prof Sangeeta Talwar,  
Implants in Rehabilitation of Facial defects by Prof Veena Jain, Myofunctional approach in Dentistry by Dr R Reddy  
Digital workflow in a Modern Orthodontic practice by Dr Sachin Sachdeva on 22 Jan, 2021.  
Cultural Program - Georgian Alumania by Alumni Committee on 23 Jan 2021.  
Drawing Competition on 4 Feb, 2021.  
Chronic Liver Disease in Children by Dr Ashu Srivastava on 6 Feb 2021.  
Introduction to Obstructive Sleep Apnea and Treatment with Mandibular advancement device by Dr Anupam Dua Sharma on 2 March 2021.  
Clinical endocrinology- Clinical Practice and Prevention by Dr Smita Agarwal on 6-3-2021  
Approach to Cong Heart Disease by Dr Roli Srivastava on 19-3-2021  
Women in politics by Dr Asha Seth  
New developments and challenges in KGMU by LT GEN Dr Bipin Puri on 21-3-2021.  
Managing hereditary breast ovarian Cancer by Prof Nisha Singh,  
Genetic testing and community breast & ovarian cancer screening by Prof Ranjit Manchanda Role of genomic tests in personalised treatment for breast cancer by Dr Udaiveer Panwar on 3.4.2021.  
KGMU Alumni International Seminar on 8-5-2021.  
Community based rehabilitation for people with mental illness by Dr T Sivakumar on 20-5-2021.  
Radiomics in oncology: Approaches, Applications and Results by Dr Kundan Singh Chufal on 22-5-2021.  
World No Tobacco Day on 31-5-2021  
IVF Basics for Postgraduate by Dr Garima Srivastava on 8-6-2021.  
Ischaemic Heart Disease in South Asians by Dr Sudhir Rathore,  
Mental Health & Primary Care by Dr Meera Sethi  
Diabetes in South Asia-Current Concepts by Prof Kauser Usman on 12-6-2021.  
Ventilator the Machine by Dr Mukul Pandey on 3-7-2021.  
Abnormal Uterine Bleeding by Dr Preetam Ganu on 30-7-2021.  
Webinar on Pediatric Bone Tumour on 6-8-2021.

An Island of Excellence by Prof Ravi Kant  
Landscape of Covid-19 in India by Prof Narinder Mehra,  
Covid-19: The Virus, Treatment, and Vaccine by Prof Sudhir Gupta  
Diagnosing Dementia: Nuts and Bolts by Dr Vimal Aga on 7-8-2021.  
Orientation of PG Course in Family Medicine by Prof MZ Idris on 25-8-2021.  
Endovascular Treatment of Brain Aneurysms by Dr Sandeep Burathoki,  
Digital mammography and Tomosynthesis -Case based approach including positioning & additional views by Dr Namita Mohindra on 28-8-2021.  
Laboratory diagnosis of viral hepatitis with special focus on National viral Hepatitis control program in India by Dr Ekta Gupta on 11-9-2021.  
Moral Dilemma of Doctors during COVID-19 An ethical issue by Dr Vijaya Laxmi Nag,  
What is it to be a Georgian by Dr Sambit Mukhopadhyay  
Hysterectomy for benign disease which route by Dr Sambit Mukhopadhyay on 24-9-2021.  
Comparative Anatomy by Dr DR Singh on 28 sept. 2021,  
Chief Medical Superintendent, GM & Assoc. Hospitals

### **Ayushman Bharat Faculty in-charge: Prof Balendra P Singh**

After launch of Ayushman Bharat Pradhan Mantri Jan Arogya Yojana on September 23, 2018, King George's Medical University treated first patient on October 3, 2018 of atrial septal defect. Till now, number of benefited patients are 11,605 (4,714 in last year only) which is highest in Uttar Pradesh of amount 35 crore approx. Total number of submitted claim is 8456. Total amount received in KGMU from this Yojna by claim is 18 crore approx. Patients who benefited most are mainly from Cardiology, orthopaedic surgery, general surgery, general medicine and neurosurgery.

### **Cochrane Unit Faculty in-charge: Prof Balendra P Singh**

King George's medical university was affiliated with Cochrane, United Kingdom for official training center of cochrane systematic reviews and meta-analysis among nine centers across India. Recommendations prepared by cochrane help in preparing various guidelines by WHO. This center has organized two workshops so far to train doctors from various medical institutions. This center is preparing two priority topics given by NITI Aayog, published one cochrane protocol and title. Next year KGMU is given responsibility to organize Cochrane India Network conference.

### **Human Milk Bank Nodal Officer: Prof Mala Kumar**

The first Human Milk Bank of Uttar Pradesh "Dhatri Amrit Kalash" was inaugurated on 5th March 2019 by the department of Pediatrics King George's Medical University Lucknow. The project got a funding of nearly rupees one crore by the NHM. It has two units a, Comprehensive Lactation Management Centre (CLMC) located on the 5th floor of Trauma Centre (near NICU on 4th floor) and the other Lactation Management Unit (LMU) on the 2nd floor of MCH building in Queen Mary's Hospital (Maternity Wing).

Staffing: The Nodal Officer is Prof Mala Kumar, Prof. Renu Singh is in charge of LMU (QMH Wing) & Dr Shalini Tripathi is helping with the processes, Prof. Sheetal Verma is the microbiologist.

CLMC and LMU are fully functional with the help of efficient staff which include a manager, a lab technician, lactation counsellors and hygiene helpers.

Equipment: Human milk pasteurizer, deep freezer (capacity to store 250-300 litres), laminar air flow, RO water plant for pasteurizer, refrigerators, hot air oven, dish washer, UV light pass box, and medical grade breast pumps

The main function of human milk bank includes

Promoting early and exclusive breast feeding

Teaching lactating mothers the correct technique of breast feeding & resolving feeding issues

Helping mothers' express milk if needed  
 Promoting kangaroo mother care  
 Motivating mothers to donate milk  
 Collecting, processing and storing donor milk  
 Dispensing donor milk for babies whose mothers are not lactating adequately

Work done so far from December 2021 to November 2022

Total Deliveries (live birth attended by LC)	6538
No. of Mothers Counselling	6467
No. of Mothers Donating Milk	295
Total No. of Babies received DHM1	75
Total Donation Received	133
Litres Total Milk Dispensed to Babies	87.4 L

### **Hospital Based Cancer Registry (HBCR) Unit** **Faculty in charge- Prof Kirti Srivastava**

The Hospital Based Cancer Registry (HBCR) Unit at KGMU was established in 2017 under the leadership of Dr. Arun Chaturvedi, Professor-Surgical Oncology under the National Cancer Registry Program, 1981. The Unit at KGMU has been effectively collecting data 2018 onwards. On Sir's superannuation the charge was handed over to Dr. Kirti Srivastava, Professor-Radiation Oncology, in 2021. Till date 26000+ cases have been effectively registered with the NCDIR, ICMR by the Unit.

On analysis of the data collected, the Unit, realized that a lot of efforts have to be made in the direction of cancer awareness, as the patients reporting at the hospital were generally in the last stages of Cancer. This leads to lesser options available in the hands of the Clinician. Therefore a need to diagnose the case in early stages was felt and making patients aware of the early signs seemed like a viable option. Also patients were confused regarding the financial schemes launched by the government to aid them in their treatment. The importance of complete treatment and follow-up were areas which also required monitoring.

Therefore, on 04th of February, 2022, on the occasion of World Cancer Day the Unit, hosted a program themed – 'Close the Care Gap' and established the Cancer Support Unit, Room 206 in the New OPD building at KGMU. The Inauguration was done by the Hon'ble Vice Chancellor, Lt.Gen. (Dr.) Bipin Puri, and Chairman of Oncology Services Dr.MLB Bhatt, Professor and Head, Department of Radiation Oncology. The objective of the Cancer Support Unit was to provide financial aid and advice, palliative care, psychological and dietary counseling, physiotherapy and drug distribution.

Breast cancer is one of the most common cancers, among females, in India. Thereby to spread awareness among the masses, a Breast Self Examination Workshop on the occasion of International Women's Day on the 08th of March, 2022, was organized by the Unit. In the workshop the women were trained and made aware of the benefits of BSE and the signs of Breast Cancer were highlighted.

On 28th of March, 2022 first Peripheral Nodal Meet was conducted by the Unit, under the program themed – 'Connecting the dots in Cancer Care'. The objective was to discuss easier patient referrals and follow-ups. The program was headed by the Chairman of Oncology Services, Dr.MLB Bhatt.

On analysis of the data, the Unit observed that KGMU is catering to patients from various districts of Uttar Pradesh. It was noted that many patients were lost to follow-up or had defaulted resulting in incomplete treatment. Also numerous patients were traveling a large distance for palliative care or pain management. So then a need for strengthening the Community Health Centers (CHCs) and Peripheral Health Centers (PHCs) was felt.

Based on the Hub and Spoke model, Community Cancer Network (CCN) at KGMU was born. The objective behind the initiative was to train the CHCs and PHCs, which would serve as spokes and thereby empower KGMU to serve patients better, the hub. Thus workshops were conducted by the Unit, on the 26th of August and 01st and 08th of September, 2022 for Medical Officers, Nurses and Paramedical staff respectively. Three districts, namely, Ayodhya, Unnao and Lucknow were targeted as the data analysis showed maximum patient influx to KGMU from these districts. The inaugural ceremony was graced by the Hon'ble Vice Chancellor, Chairman of Oncology Services, Dean KGMU, Director General, Department of Medical Health, GoUP and the founder of HBCR Unit. The day was filled with informative lectures from the esteemed faculties of various departments catering to Cancer patients, highlighting the signs, symptoms, treatment modalities and their side effects and the need for CCN. Special lectures were conducted by faculties from SGPGI emphasizing on palliative care. Post lectures doubts were cleared and a pre and post workshop assessment was also done. Feedback regarding the need for

further such workshops was also collected.

Post the success of the CCN workshops, a need to now spread awareness among the masses was felt. Hence, a Physical Camp was then organized by the Unit under the guidance of Chairman Oncology Services, at Ayodhya Medical College on 20th of October, 2022. The objective of the camp was to spread awareness through lectures and Nukkad Natak, conduct head and neck, breast and cervical screening and organize an informative yet fun quiz. For this purpose senior residents from various departments accompanied the team and students from paramedical department choreographed an impactful skit. The program was successful and instilled a sense of confidence in the team and also gave them the energy to stick to their mission.

Following which an Awareness Camp was organized by the Unit on 18th of November, 2022 for all the Class 3 and 4 employees of KGMU to strengthen first the KGMU family by making them aware of the Cancer symptoms, how to screen the 3 most common cancers in the country and what are their treatment modalities. The lecture was conducted by Dr. Puneet Prakash, Assistant Professor, Surgical Oncology. To highlight the thought process of patients suffering from cancer and the hurdles they face before reporting to the hospital, was demonstrated, through a Nukkad Natak, by the paramedical students. The program was wrapped up with a quiz and attractive prizes were given to all.

Thus, all in all it has been a fruitful year for the HBCR Unit in carrying out their duties not just as a registry but also a team which aims to make the lives of all those patients fighting the disease a little simpler and less painful.

### **International Collaboration Cell** **Faculty in charge – Prof Manish Bajpai**

King George's Medical University is committed to making our presence felt globally. In sync with this ethos, we have built new ties as well as refreshed old ones. 9 of our students are visiting, or have been accepted for visits by different Institutes of America in the past year, and the number is increasing year by year.

We are now part of GUNI- the Global University Network for Innovations, headquartered at Barcelona in Spain and the international Talloires network, University of Massachusetts, USA.

Both organisations are committed to innovation and holistic development by collaborative approach.

The Texastech MoU has been renewed and the one with Rutgers University is in the last stages of renewal.

An exciting development has been our experience sharing with the University of Manitoba, Canada with several exciting avenues for partnership having opened up.

The University is in close communication with Ambassadors of Switzerland, Ireland, Poland Portugal, and many other countries to establish areas of collaboration.

We are also near to becoming a member of VSLO, USA which will open up new frontiers of foreign studies for our students. Work is in process on establishing an agreement with the University of Toronto, Canada for mutual exchange of students.

### **Social Outreach Cell** **Faculty In-charge: Prof R K Dixit**

Outreach cell of KGMU Lucknow with name KGMU REACH (Reach Educate And Cultivate Holistic wellness) King Georges Medical University is committed to serve the society by all possible means. To achieve the aim a unique outreach cell has been formed KGMU REACH (Reach Educate And Cultivate Holistic wellness). The main aims of this are as follows

Conducting the health care camps at different areas with the priorities at schools, and rural neglected areas. During the health care camps doctors from the different departments visit as team and provide the basic health care advices, counselling, referral and health education.

Blood donation activities under the same health camp

Health awareness speeches and group discussion with the local public

Corrections of the practices which are not scientifically correct and not healthy

Menstrual hygiene and education to the girls

Dental checkup and treatment services

Basic life support education to the masses especially the school students

Awareness' about road traffic accidents  
Handwashing practices  
Health diet  
Life style modification related awareness programs  
Screening for anemia, malnutrition etc.

These outreach activities are organized at different intervals (usually once in a month). All these activities are for the benefit of society which is most needy and for the best development and exposure of the doctors and the students. The results of these activities are very much encouraging.

Last year such activities were organized on 5th August at Bakshi ka talab,  
At Ayodhya medical College and hospital on 20 October 2022 (Reach activity with blood donation camp)  
At Bhagirathi apartment shaheed path Lucknow on 14 may 2022

## **University Environment Department (UED)** **Head: Prof Kirti Srivastava**

University Environment Department organized World Environment Day at King George Medical University, 10 AM on 07.06.2022, at Scientific Convention Centre, KGMU. The aim was to sensitize public on environmental problems and getting people's participation/ resolution to provide a safer and more healthy future for all. Honble Governor, Smt. Anandiben Patel, Deputy Chief Minister Shri Brajesh Pathak graced the occasion.

A Dish Washing unit and food composting machine have been installed on campus on World Environment Day. As an environment friendly initiative steel plates were replaced with plastic plates for patient diet distribution. Under the Swachh Bharat Mission, following activities were undertaken:- distribution of bags made by recycling old clothes/ sarees at various OPD's/conferences/workshops at University and public parks of the city.

Environment Department recognition/certification at State/ National/ International

Letter for approval sent to U.P. Government through Registrar office.

Details of Faculty with active role in National/ International institutes/ Industries/ Editorial boards– Inspection of state/national level healthcare facilities under Kayakalp/ NQAS program in various hospitals by Prof. Mohd. Parvez, Prof. Kirti Srivastava and Dr. Nitin Dutt Bhardwaj.

Name of new faculty members joined – Prof. Rekha Sachan, Dept. of Obs. & Gynae, Dr. Ravi Prakash, Dept. of Anesthesia, Dr. Geeta Yadav, Dept. of Pathology have been incorporated in University Environment Department recently.

In an intradepartmental competition organized by the Horticulture Cell, University Environment Department secured the “Best Green Department” award.

Eminent visitors (National/International) to the department for any academic/research activity – Dr. Ishika Jharia, Senior Research Associate & Project Officer, Sustainable Health in Procurement Project (SHiPP), Centre for Chronic Disease Control, New Delhi.

Mrs Rama Tripathi, Senior Dietician, SGP GIMS, Lucknow delivered a lecture during World Nutrition Month activities.

Scientific workshop/ CME/ Conferences/Webinar/ organized by department –

World Environment Day – 5 th June, 2021

National Nutrition Month – September month, 2021. Following activities were conducted:- Poster, video clip, quiz, healthy recipe competition.

Any value added/ enrichment program organized for students/Faculty/ Employees –

The department celebrated World Environment Day on 5 th June with tree plantation and e-poster competition for undergraduate students. Trainings of Bio Medical Waste Management have been done at regular intervals or as per demand.

Extension/Social outreach activities at Departmental level –

Training for Covid isolation duty – All isolation teams before joining their duties in wards were duly trained for biomedical waste management according to the guidelines laid down by the Central and State pollution board for waste generated in Covid wards.

Approx. 40 sessions were conducted by UED.

## Horticulture Cell In charge: Prof Mohd Parvez

Plantation: About 553 plants were planted and mostly GIO tagged at main KGMU campus & its satellite centers including CHC's & PHC's / sub centers. Small trees were provided tree guards wherever required. Timely pruning of trees is done. New spaces were indentified and developed as green patches after clearing rubble. Tree trunks and pots were painted in uniform color. An experimental mini " Miyawaki forest " has been developed near library.

Was awarded " Best Green Department Award " in an inter- departmental competition at KGMU

## Cultural Unit In charge: Prof R K Dixit

KGMU Lucknow believes in holistic development of students and involves students in various types of activities. These activities include academic ones involving their participation in scientific CMEs, Conferences, quizzes within as well as out of the university. Soft skills are must to be successful in life as well as in medical profession. This soft skills development is taken care of involvement of students in different types of informal activities which involve sports, cultural and community visits.

KGMU Lucknow involves the students in different types of cultural activities and gives the opportunity to show their hidden talent other than academics. For that the university conducts different types of activities regularly. Some of them are as follows

□ Annual cultural mega event "RHAPSODY" in which the students, faculty, and staff members take part with the full enthusiasm and reduce the gap amongst them. This fest is one of the unique in the sense that it starts from 9 am till the 9 pm for three days every continuously every year. The fest gives a chance not only to the Georgians, but their family members too. This year it was celebrated from 22nd to 24th Sep 2022. All sort of activities are included in during the event some of them are

- o Literary events
- o Band competition
- o Skit competition
- o Singing competition
- o Dance competition
- o Kavi sammelan
- o Cynosure
- o Painting competition
- o Pottery competition
- o Mimicry
- o Fun games
- o Foodies
- o Theater
- o Nukkad natak
- o Film making
- o Grand FASHION SHOW
- o Photography competition
- o Laughter challenge
- o D. J.
- Annual grand celebration of Sarasvati Pooja one of the best throughout country. This is with different types of display like rangoli, ground painting, decoration and the pooja of Ma Sarasvati in the most appropriate and sacred ways. Celebrated on 5th Feb 2022
- At different times suitable to the occasion events are organized by different department of the university to give the time to rejuvenate and reflect. Few of those events are as follows
  - o Independence Day, Republic day celebrations
  - o Collage competition
  - o Photography



- o Poetry
- o Birthday and death anniversary celebrations with cultural activities having inspirational messages
- o Different awareness programs with nukkad natak and community visits
- o Any many more

All these activities benefit the overall development of students. They learn and present their different types of talents. Their confidence level is increased and they learn how to work in a team.

## Department of Anesthesiology

### Head: Prof. G.P Singh

New equipment added this year in the department include: Peripheral Nerve Stimulator, Skill Training Manikins, Endoscopic Lumbar Transforaminal and Extraforaminal Decompression Set.

Department has started two new services of Two year Diploma course for OT Technicians and Three month Certificate course in Critical Care for nurses.

The department of Anaesthesia is a recognized Training center for the Indian Resuscitation Council. Dr Tanmay Tiwari is on the Editorial board of IJA-CZ as assistant editor. Dr Hemlata is on the Editorial board of Anaesthesia and Critical Care Medicine Journal and CUREUS Journal. She is also Reviewer for Indian Journal of Pain, BMJ Case reports & Journal of Clinical and Diagnostic Research. Dr Reetu Verma is on the Editorial board of Journal of Clinical Research and Applied Medicine.

Mrs. Asha Awasthi, Prof- cum-physicist superannuated last year.

Dr. Brijesh Pratap Singh and Dr. Karan Kaushik joined the department as new faculty members.

Eminent visitor to the department was Dr Jaishree Sood, HOD Sir Gangaram Hospital as a guest faculty on World Anaesthesia day.

Dr Tanmay Tiwari received an extramural project grant from Korean Society of Anaesthesiologists Research Submission Grant.

National, International awards, memberships, fellowships received by faculty, staff and students were received by:

Dr. G.P. Singh received FRCP (Edinburgh)

Dr. Zia Arshad received Fellowship in Critical Care Medicine effective from 23rd September 2021

Dr. Rajni Gupta a. Faculty Indian Resuscitation Council Award 2021 by ISA

b. International Scientist Awards 2022 by INSO

Dr. Aparna Shukla Research Excellence Award 2022 by InSc (Institute of Scholars)

Dr. Hemlata Research Excellence Award 2022

Dr. Shefali Gautam NAMS Membership 2021

Dr. Vinod Srivastava NAMS Membership 2021

Dr. Kriti Gupta –

a. Dr. DD Verma Best PG Paper Award at UPISACON, BHU Varanasi

b. Golden Laryngoscope Award for Best PG Paper by ISA Lucknow, on World Anaesthesia Day.

c. Jahnavi Dutt Scholarship awarded Best MD/MS/M.Ch. Thesis (2nd Runner up) at KGMU, Lucknow.

Dr. Harsimran Kaur- Runner up in ISA GOLDCON Quiz in 68th Annual National Conference of ISA held at Ahmedabad

Dr. Perna Prabhat Das- Awarded 2nd prize in KGMU Anaesthesia Post Graduate Quiz 2021 on 24th December, 2021

Scientific workshop/CME/Conferences/Webinar/organized by department

KGMU Anaesthesia Post Graduate Quiz on 24th December 2021

Webinar on Morphine & Cancer pain management 10th August 2021

Critical Care Nephrology Workshop on 30th October 2021

ECMO- ALST- on 30th April and 1st May, 2022

BCLS & CCLS Courses on regular basis

- One Lung Ventilation Workshop-27th March 2022
- Cadaveric Workshop & CME ON Cancer Pain Management 2nd and 3rd April,2022
- 2nd KGMU Anaesthesia PG Assembly 25-27th Feb 2022

Value added programs organized for students/Faculty /Employees included Regular simulation classes, regular IRC (BLS/ACLS) courses and BLS classes for MBBS students in foundation course. Dr Monica Kohli and Dr Hemlata are regular faculty for ATLS courses

Extension /Social outreach activities at Departmental level done by Dr G P Singh, Dr Sateesh Verma, Dr Shefali Gautam, Dr Ravi Prakash, Dr Vinod Srivastava and Dr Neel Kamal as a recognized trainers for emergency services under NRHM.

Radio or TV talks were given on Spinal and Epidural Anaesthesia by Dr. Dinesh Kaushal; Preanaesthetic Checkup at KGMU, Goonj by Dr. Aparna Shukla; Oxygen requirement and supplies during COVID at KGMU, Goonj by Dr. Tanmay Tiwari; Myths and facts about anaesthesia at KGMU, Goonj by Dr. Prem Raj.

Also Department of Anesthesiology organized Basic Life Support workshop in Collaboration with Gynae Welfare Association, Lucknow for training of surgeons at Hotel Clarks Awadh, Lucknow. Nukkad Natak performed by students for awareness of preanaesthetic checkup to public on World Anaesthesia Day, Debate competitions on "Har ghartiranga-Is it really useful" for students, Sports activities by Department faculty or students, COVID specific initiatives at Departmental level Training/Certificate courses, NHRM virtual training was conducted by the department for 162 medical officers and 898 community health officers. Simulation training for Airway management and Ventilatory strategies for Covid patients were conducted for residents of anaesthesiology and other departments of the university.

Five best publications of the department are:

1. Gautam S, Shukla A, Mishra N, Kohli M, Gyan P. Singh Effectiveness of virtual training for medical officers and community health officers on critical care management of COVID19 patients in the intensive care unit. *IJA*:704-21-OA2021; 65(4) (Pubmed).
2. Kannojiya DP, Gautam S, Srivastava VK, Singh GP, Maurya RG, Malik A, Agarwal J, Kohli M. A Comparative Study of the ProSeal Laryngeal Mask Airway Versus Endotracheal Tube in Neonates With Anorectal Malformations. *Cureus* 13(7)e16798, 2021(Pubmed).
3. Khatri V, Hemlata, Mehrotra MK, Kohli M, Malik A, Verma A. Usefulness of Thromboelastography for Perioperative Evaluation of Hemostatic Profile in Patients With Primary Brain Tumors Undergoing Surgery. *Anaesthesia: Essays and Research* 2021(Pubmed).
4. Hemlata, Singh RK, Verma R, Singh D, Chaudhary AK, Kushwaha BB. Comparative evaluation of clonidine and dexamethasone as adjuvants to ropivacaine for ultrasound-guided transversus abdominis plane block. *Indian Anaesth Forum* 2021; 22:53-9
5. Lakshmi TC, Tiwari T, Agarwal J, Kapoor R, Vasantha Kumar V. Comparison of clinical performance of I-Gel, LMA Supreme and Ambu AuraGain in adult patients during general anesthesia; a prospective and randomised study. Doi: <https://doi.org/10.4097/kja.21212>; Korean Journal of Anaesthesia.

Book/book chapters as contributions of department are:

- Dr. Hemlata – Verma, Hemlata, Chaudhary N. Blood Component therapy: In Gupta P. Neon SSN, Ramji Siddharth Lodha Rtds. PG. Textbook of Pediatrics. 3rd Edn. New Delhi: Jay Pee Brothers: 2022 (In Press)
- Dr. Hemlata Bedside transfusion practices Textbook on Laboratory and Clinical Transfusion Medicine Nova Science Publisher, Inc., NY, USA 2016
- Dr. Hemlata Blood component therapy PG Textbook of Pediatrics 3rd Edn Jaypee Brothers, New Delhi, India 2021
- Dr. Rectu Verma – Verma R, Dwivedi Y. Anaesthesia for thyroid and parathyroid Surgery: In Mistra AK, Agarwal A, Parmeswaran R, Singh KR. Endocrine Surgery A South Asian Perspective. 1st Edn. Boca Raton: CRC Press: 2022
- Dr. Prem Raj Singh - Sandeep Sahu, Prem raj Singh (2015) Perioperative Management of Paediatrics Trauma Patients, India, CBS publishers, Textbook Of Paediatrics Anesthesia
- Dr. Prem Raj Singh - Anaesthesia for maxillofacial surgery.

**Department of Anatomy**  
**Head of the department: Dr PunitaManik**

New equipment/New services/ research facility added are 2 OT Tables and 1 Color Doppler Ultrasound

Dr.PunitaManik is Treasurer of Anatomical Society of India. Dr. Anita Rani is Editor in Human Anatomy Open Access Journal. Dr. Archana Rani is the Editor in International Journal of Current Research and Review. Dr. RK Verma is Joint Treasurer of Anatomical Society of India. Dr. R K Dewan is the Executive member of Anatomical Society of India. Dr. Garima Sehgal is the Editor in Human Anatomy Open Access Journal.

Dr Noor Us Saba (29th June, 2022) and Dr Pratibha Shakya (30th June, 2022) joined as a new faculty members.

Visitors to the department in the current year were Nihal Singh, School representative from SIS Group of Schools, Raebareli. And Dr.Randhir Prasad Saxena (MBBS 1967 Batch KGMC, Lucknow).

Scientific workshop/ CME/ Conference/ webinar organized by Department included "Overview of In-vitro Fertilization: Focus on Male Infertility" (27th January, 2022), CME on "Expanding horizons of Anatomy: Knowing the Unknown" (28th January, 2022) and 68th NATCON of ASI (28th, 29th & 30th January, 2022).

Value added/enrichment program organized for Students/ Faculty/Employees were: Training of residents & employee for Biomedical waste management, Annual Debate Competition "Feminism & misandry are two sides of the same coin" for MBBS & BDS students and Poster presentation competition on "World Environment Day" for MBBS & BDS students.

Department was involved in Extension activities at department level such as Body Donation Awareness Program on 14th May, 2022 at Bhagirathi Enclave Awadh Vihar, Lucknow and Body & Eye Donation Awareness Program on 21st May, 2022 at Apollo Medics Hospital, Lucknow.

COVID specific initiatives at departmental level were :Online classes of MBBS and BDS students (in July 2021); Development of e - content for dissection classes (in July 2021) and Participation of regular Covid ward duties by residents of the department.

5 best publications of Department are-

1. Diwan RK, Verma RK, Pankaj AK, Rani A, Kumar N. Nonmetrical variants of Sigmoid sulcus: A study on dry human skulls. *National Journal of Clinical Anatomy*. July-Sept 2021.
2. Singh H, Diwan RK, Singh R, Manik P, Rani A, Ahmad S. Experimental validation of Vitamin C's defensive function against the biochemical changes triggered by a pyrethroid based mosquito coil (PBMC) on testis of albino rats. *International journal of mosquito research*. 2021; 8(1):01-05.
3. Chaudhary A, Tiwari V, Verma RK, Srivastava G, Munsip T. Study of Supratrochlear Foramen of Humerus and its Applied aspects. *International Journal of Medical Science and Current Research*. 2021; Vol 4, Issue 6, Page no. 519-527. (Nov-Dec 2021)
4. Arya A, Tomar S, Diwan RK, Pandey A, Manik P. Uterine parameters of clinical importance in North Indian females of reproductive age- An ultrasonographic evaluation. *National Journal of Clinical Anatomy* 2021;10:232-5.
5. Pankaj AK, Sangma SS, Chopra J, Sehgal G. Morphometric analysis of normal and variant anatomy of posterior cerebral artery and the incidence of fetal posterior cerebral artery in Uttar Pradesh region: A computed tomography angiographic study. *J Anat Soc India* 2022; 71:24-9.

Book/book chapters contribution by Dr Jyoti Chopra: Editor of Grant's Dissector 2nd South Asian Edition; Published by Wolters Kluwer.

## **Department of Biochemistry**

### **Head of the Department: Prof. Abbas Ali Mahdi**

16 new equipments were added in the department which included the following- Boiling Water Bath, Autoclave, Semi micro balance, Vortex mixer, Constant temperature water bath, Electric incubator with constant temperature, Hot air oven, Water distillation apparatus, Digital pH meter, Light microscope, Micropipette variable set, -80°C Deep Freezer, Spectrophotometer, Sonicator, Horizontal Electrophoresis Unit with power supply, Vertical Electrophoresis Unit with power supply.

Clinical Biochemistry laboratory in Plastic Surgery department was opened for patient care

Prof. A.A. Mahdi was appointed as an International Expert to Promotion Committee, Arab American University-Jenin, Palestine, 2021.

Dr. Gyanendra Kr. Sonkar, Additional Professor was appointed Inspector for Sahara Nursing College, Lucknow in August 2021; Inspector for MBBS seats at Saraswati Medical College, Unnao on 25th Sept. 2021 and served as Coordinator for BSc Nursing Entrance Examination conducted by King George's Medical University, Lucknow in 2021

Prof. A. A. Mahdi was appointed as: Member of the selection committee for appointment of Associate Professors/Professor, AIIMS, Jammu, 2021; Member of the selection committee for appointment of Associate Professors, Dr. R.M.L. Institute of Medical Sciences, Lucknow, 2021; Member of the selection committee for appointment of Assistant Professors, Super Speciality Paediatric Hospital & Post Graduate Teaching Institute, Noida, 2021; Secretary – General, Indian Academy of Biomedical Sciences [IABS]; Member - Technical, Medical Cell, National Health Authority (NHA), Ayushman Bharat Pradhan Mantri Jan Arogya Yojana (AB PM-JAY).

Dr. Gyanendra Kr Sonkar became the Life Member of The Indian Science Congress (ISC).

Eminent Visitors (national/International) to the department for the year 2022: Prof. Hari S. Sharma, Netherlands and Prof. Thuppil Venkatesh, Bengaluru visited the department and interacted with Research Scholars of the department in September 2022

05 Extramural grants were received by the department, namely -

Neurorestorative and neuroprotective role of a plant derived isoflavanoid Icariside II in Parkinson's disease model. ICMR-RARs. 2022720/-, 2021-2024 (Dr. Shivani Pandey)

Neuroprotective role of green tea catechin Epigallocatechin-3-Gallate (EGCG) in type-II diabetes model. Young Scientist Scheme DHR-ICMR, New Delhi, Rs. 29, 92,500/-, 2020-2023 (Dr. Shivani Pandey)

Identification of small antimicrobial peptides (SAMPs) as an alternative therapeutic agent against pneumococcal meningitis. (Financed by DHR, New Delhi) 2020-2023. (Dr. Ranjana Singh)

Identification of candidate miRNAs as a potential diagnostic and prognostic markers in body fluid of patients with chronic kidney disease: a longitudinal study. Sanctioned by ICMR, New Delhi (2020-2023), Cost: Rs. 43,50,000/- (Dr. Gyanendra Kumar Sonkar).

Elucidating the role of interplay of methylation and hydroxymethylation as an epigenetic approach to understand mercury induced renotoxicity. Sanctioned by Department of Science and Technology (DST), Cost Rs. 20, 05,085/- (Dr. Mohd. Kaleem Ahmad)

Xth Annual International conference of the Indian Academy of Biomedical Sciences on "Recent trends in Biomedical Research: Current Challenges & Future Prospects" was organized by Department of Biochemistry, King George's Medical University, Lucknow and Department of Biotechnology, Era University, Lucknow from 7th to 8th May 2022.

Induction program for first batch MD Biochemistry students was conducted on 12th May 2022.

Seminar cum workshop was organised for students by department of Biochemistry on 15th October 2022.

An outstanding social outreach activity was done in the department of Biochemistry. A one day seminar cum workshop was organised on 15th October 2022 for 30 students from different discipline and different colleges of KGMU, Era University, Integral University, State Ayurvedic College and Unity College, Lucknow in the department of Biochemistry, King George's Medical University, Lucknow. This program was organised as part

of Scientific Social Responsibility (SSR) of Science and Engineering Research Board (SERB) Project of Govt of India under the Principal Investigator, Dr. Gyanendra Kumar Sonkar, Additional Professor. The aim of the workshop was to promote science and research for young budding minds.

Prof. Abbas Ali Mahdi was appointed as the Incharge of Covid Testing facilities in Uttar Pradesh.

Five best publications of the department:

1. Dwivedi N, Mahdi AA, Deo S, Ahmad MK, Kumar D. Assessment of genotoxicity and oxidative stress in pregnant women contaminated to organochlorine pesticides and its correlation with pregnancy outcome. *Environ Res.* 2021 Sep 11. doi:10.1016/j.envres.2021.112010. Epub. [IF – 6.49]
2. Ansari JA, Ahmad MK, Fatima N, Azad I, Mahdi AA, Satyanarayan GNV, Ahmad N. Chemical characterization, in-silico evaluation and molecular docking analysis of antiproliferative compounds isolated from bark of *Anthocephalus cadamba* Miq.” *Anticancer Agents Med Chem.* 2022;22(20):3416-3437. [IF-2.52]
3. Singh B, Pandey S, Rumman M, Kumar S, Kushwaha PP, Verma R, Mahdi AA. Neuroprotective and Neurorescue Mode of Action of *Bacopa monnieri* (L.) Wettst in 1- Methyl-4-phenyl-1,2,3,6-tetrahydropyridine-Induced Parkinson's Disease: An In Silico and In Vivo Study. *Frontiers Pharmacology.* 2021 Mar 16; 12:616413. doi: 10.3389/fphar.2021.616413 [IF-5.81]
4. Rumman M, Pandey S, Singh B, Gupta M, Ubaid S, Mahdi A. A Genistein prevents hypoxia-induced cognitive dysfunctions by ameliorating oxidative stress and inflammation in the hippocampus. *Neurotoxicity Research* 2021; 39(4):1123-1133.
5. Vivek Singh, Ranjana Singh, Rashmi Kushwaha, Shailendra Prasad Verma, Anil Kumar Tripathi, Abbas Ali Mahdi. The molecular role of HIF1 $\alpha$  is elucidated in chronic myeloid leukemia. *Frontier Oncology*, 30 June 2022 [IF-6.24]

Book/book chapter contributions of the department:

Medical Biochemistry: Preparatory manual for undergraduates, 2nd Edition. ISBN: 978-81-312-6150-7. Prof. S.P. Dandekar and Prof Abbas Ali Mahdi, Publisher: Elsevier, New Delhi, 2021

### *Department of Cardiology* *Head of department – Prof S K Dwivedi*

New equipment added this year in the department include– 10 ICCU Monitor with Central station.

Our Faculty plays an active role in National/ International institutes/ Industries/ Editorial boards

Dr. S.K. Dwivedi in Indian Journal of Medical Research; Dr. S K. Dwivedi, Dr. Rishi Sethi, Dr. Sharad Chandra in Indian Heart Journal ; Dr. Gaurav Choudhary in Indian Heart Journal – CVCR; Dr. AK Pradhan, Dr. P. Vishwakarma, Dr. Rishi Sethi, Dr. Sharad Chandra in Heart India –World; Dr. AK Pradhan in Journal of Cardiology and Dr. AK. Pradhan in International Journal of Angiology -

National/ International awards/ memberships/ fellowships were received by:

Dr. Monika Bhadhari Fellow American College of Cardiology(FACC)-

Dr. Akshyaya Kumar Pradhan American College of Physician (ACP) Membership

Dr. Pravesh Vishwakarma Fellow Heart Failure association (HFA)-European Society of Cardiology(ESC) (FHFA)

Dr. Rishi Sethi Fellow, National Academy of Medical Sciences (FAMS)

Extramural Project grants received from UPCST for the research project entitled “To evaluate Polymorphism in CYP2C19 gene and its impact on clinical outcome in patients of coronary artery disease (CAD) treated with clopidogrel” (Project ID: 1631)UPCSI Grant- 11.44 Lakh.

Scientific workshop/ CME/ Conferences/Webinar/ organized by department include UP CARDICON 2022 was organized by Department of Cardiology in 26 March 2022 at Atal Bihari Vajpayee Convention Centre, Lucknow; UPCS 2021 INTERVENTIONAL CONFERENCE was organized Department of Cardiology in 12 December 2021 and Foundation day of Department was Organized in

department of Cardiology at Atal Bihari Vajpayee Convention Centre, Lucknow on 25 March 2022.

Value added/ enrichment program organized for students/Faculty/ Employees include Certificate for Training of Trainees by Bio Medical Waste management Department, by Dr. Ayush Shukla.

Extension/Social outreach activities at Departmental level were CPR Training for UP Police Personnel, Fire Fighting workshop and Bio Medical Waste Management training.

Five best publications of the department are:

1. 30-Day and 1-Year Outcomes with HYDRA Self-Expanding Transcatheter Aortic Valve, JACC: Cardiovascular Interventions vol. 15, no. 1, 2022. (Impact Factor=11.0)
2. Evidence for intensive LDL-C lowering for acute coronary syndrome: Recommendations from the Lipid Association of India. Journal of Clinical Lipidology, 2022 Vol 16, No 3. (Impact Factor=5.36)
3. Safety and Efficacy of Myval Implantation in Patients with Severe Bicuspid Aortic Valve Stenosis—A Multicenter Real-World Experience. Journal of Clinical Medicine, 2022 11, 443. (Impact Factor=4.9)
4. Ideal P2Y12 Inhibitor in Acute Coronary Syndrome: A Review and Current Status. Int. J. Environ. Res. Public Health 2022, 19, 8977. (Impact Factor=4.61)
5. Factors influencing radial artery occlusion after transradial coronary intervention in the Indian population. The Anatolian Journal of Cardiology, 2022; 26: 105-11, (Impact Factor= 1.69)

Book/book chapters as contributions of department are:

- Narain VS, Pradhan A, Bhandari M. Mechanical Prosthetic valve on Oral Anticoagulants- How to improve safety. In: Banarjee PS, Das MK, Roy D (Eds). Cardiology Update Book 2021 – Cardiological Society of India: Evangel Publishers, Gurgaon, India 2021:889-98. [ISBN-9390616379]
- Sethi R, Pradhan A, Vishwakarma P. Should direct oral anticoagulant (DOAC) use be the default strategy post Percutaneous coronary intervention (PCI) with Atrial fibrillation? In: Banarjee PS, Das MK, Roy D (Eds). Cardiology Update Book 2021 – Cardiological Society of India: Evangel Publishers, Gurgaon, India 2021:866-873. [ISBN-9390616379]

### **Department of Cardiac Surgery (CVTS)** **Head of the Department: Dr Vivek Tewarson**

New Equipment Added in the department included ACT machine (2), battery operated sternal saw, 2 defibrillator and 1 heart lung machine.

All staff and residents completed COVID specific care training.

### **Department of Clinical Haematology** **Head: Prof. Anil Kumar Tripathi**

Department of Clinical Hematology has added Penta-head microscope with camera and monitor for purpose of teaching and training of students. Department of Clinical Hematology has started Preventive hematology Clinic on every Saturday, first of its kind in India since 7th September 2021.

Stem cell transplant has been reinitiated after a gap of 2 years due to COVID pandemic.

NMC has given permission for initiating 3 seats in DM Clinical Hematology.

Dr S.P. Verma has been nominated as member, expert committee on prioritization in research area in venous Thromboembolism (VTE), ICMR and Member, Stem cell ethics committee, SGPGI, Lucknow. Dr S.P. Verma has been awarded the membership of National academy of Medical sciences convocation 2022.

Department has organized many CME's in last one year including a webinar on 'National update on Acute lymphoblastic leukemia on 25th March 2022 and physical CME on "Recent advances in management of AML 11 June 2022.

One international drug trial is going on in the department including haemophilia patients. Anaemia Jagrukta Shivir was organised by the department on 26/05/2022 at Atal Bihari Bajpayi Nagar Nigam Degree College Faizabad Road, Lucknow.

Number of patients seen in OPD and IPD during this period were 20560 and 2188 patients respectively. Minor procedures like FNAC and bone marrow aspiration / biopsies done during this period were 36 and 189

respectively.

Department has published total 15 paper in this year out of which these are the 5 best publications are as below.

1. Maurya S, Tripathi A K, Verma S P. Pre-induction Serum Vitamin D3 Levels and Induction Chemotherapy Remission Rates in Patients with Acute Leukemia. *Nutrition and Cancer*.2022; 74(10): 3527-3532.
2. Singh A, Kushwaha R, Yadav G, Tripathi T, Chaudhary S C, Verma S P Hyperlipidemia and Platelet Parameters: Two Sides of the Same Coin. *Cureus*.2022; 14 (6): e25884. doi:10.7759/cureus.25884
3. Singh V, Singh R, Kushwaha R, Verma S P, Tripathi A K, Mahdi A A. The Molecular Role of HIF1 $\alpha$  Is Elucidated in Chronic Myeloid Leukemia. *Frontiers in oncology*.2022; 12: 912942-912942.
4. Tiwari N, Singh A, Singh B, Verma S P, Tripathi A K. Ruxolitinib and tuberculosis: A case report with brief review. *Indian Journal of Tuberculosis*.2022; 69 (3): 354-358.
5. Singh A, Verma S P, Kushwaha R, et al. (March 25, 2022) Hematological Changes in the Second Wave of SARS-CoV-2 in North India. *Cureus* 14(3): e23495. doi:10.7759/cureus.23495

## **Department of Community Medicine and Public Health** **Head: Prof. Monika Agarwal**

Department of Community Medicine and Public Health received an ambulance on October, 2021 for mobile OPD and referral services for patients from rural and slum communities.

New Services/Research facility added in the department include starting of specialised OPD services at Rural Health Training Centre Banthra on 25.10.2021 (Medicine, Paediatrics, Obstetrics & Gynecology, Dental, Ophthalmology, Otorhinolaryngology, Psychiatry); Initiation of training programme "Vigilantly Monitoring Health of Mothers and could be mothers" at RHTC, Banthra from 23.11.2021 and Starting training programme on "Awareness about Mosquito-borne diseases, its prevention and control in various communities as per standard of living" from 29.11.2021

Prof SK Singh participated in 14th Common Review Mission, National Health Mission, (MoHFW, New Delhi) Govt. of India at Assam (November 2021) for Evaluation and Report Writing. Prof. SK Singh is the Chief Editor in Indian Journal of Community Health an Official publication of IAPSM; Nodal Officer of ECHO Project supported by NHM UP, India; Nodal Officer for Telemedicine Hub at KGMU supported by WISH foundation; Expert for selection of consultants for Community Process at NHSRC, New Delhi; Governing Council Member of Epidemiological Foundation of India; Elected for the post of Joint Secretary, North Zone of Indian Public Health Association for 2019-2021.

Prof Monika Agarwal is the Editor in Indian Journal of Community Health an Official publication of IAPSM.

Dr Prashant Kumar Bajpai is the Associate Editor, Indian Journal of Community Health an Official publication of IAPSM and Member of Editorial board in International Journal of Healthcare Education & Medical Informatics (ISSN: 2455-9199)

National/International awards/memberships/Fellowships were received by:

Prof. Sheetal Prasad Patel: Awarded Diamond of Asia International Award by Jeeva Theological Open University, Tamil Nadu for outstanding achievements and remarkable role in the field of Community Medicine & Public Health on 4th October 2021

Prof. Reema Kumari: Awarded Fellow of the Global Academic Society (FGAS) in the year 2021 for remarkable contribution in the field of Social and Preventive Medicine; Public Health Administration on the occasion of World Teacher's Day on 5th October 2021 Postgraduate (MD) students:

Dr. Anila Verghese (MD Student) got First Prize in the World Food Day e-poster competition. (18 October 2021)

Dr. Deepshikha Pandey (MD Student) got Third Prize in a paper presentation on the "Estimation of 10 year CVD Risk among urban residents of Lucknow" in IAPSM UP- UKCON-2021 (19-20 Feb., 2022)

Dr. Smriti Verma received IAPSM Life Membership (19th May, 2022)

Dr. Christopher James received IAPSM Life Membership (20th June, 2022)

Dr. Akshata M.A. received IAPSM Life Membership (08th June, 2022)

Dr Manish Kumar Manar got a Patent certificate about the registration of Utility Model No. 20 2022 100 351 "A

system for synthesizing a zeolite using cenospheres for waste water treatment” on 01-02-2022 (Date of Registration). (The President of the German patent and trademark office, Munich, Federal Republic of Germany).

Prof Jamal Masood and Prof Sheetal Prasad Patel were superannuated and Prof V K Srivastava and Prof Uday Mohan were Obituary from the department this year.

Dr. Saurabh Kashyap (Assistant Professor on 24-06-2022); Dr Rajeev Misra (Assistant Professor (non-medical, on 24-06-2022); Dr Prashant Kumar Bajpai (Assistant Professor on 25-06-2022) joined as a new faculty member this year.

Scientific workshop/CME/Conference/Webinar organized by department includes International Nutrition Week organized at RHTC Sarojini Nagar, Department of Community Medicine & Public Health, KGMU UP, Lucknow from 1st to 7th September, 2021; Quiz Competition on Nutrition for Interns and cash award and Certificate distribution ceremony at RHTC Sarojini Nagar on 13.09.2021 and Road Safety week celebrated at Urban Health Training Centre, Alambagh from 24th -30th September, 2021

Value added/enrichment programme organised for Students/Faculty/Employees included Bio Medical waste Management Orientation training at the department for the employees of Community Medicine department by Prof. Reema Kumari; During nutrition month quiz competition for MBBS 2019 batch was organized on 23rd September 2021; Prof Reema Kumari Facilitated State Level Training National Health Mission on 2nd Dec 2021 (by University Environment Department).

Extension/Social outreach activities at the department level were RHTC Banthara started functioning on 28th July 2021; Atal Swasthya Mela 23-24 Dec. 2021; A health camp was organized by the department at 'Sarvjanik Shikshonnyan Saanstan Vridhashram' Sarojini-Nagar, Lucknow on 6/12/2021; Mukhya Mantri Arogya Mela was conducted at PHC Sarojini Nagar on every Sunday from 10.00 A.M to 4 P.M; A Family Survey was conducted in 10 adopted villages of Sarojini Nagar by Department of Community Medicine and Public Health, KGMU UP, Lucknow ;and With the theme of Road safety week, various interactive activities and sessions were conducted in Sarojini Nagar Block (April, 2022) by Department of Community Medicine and Public health.

COVID specific initiatives at department level Training/ Training course are as follows: Sanitization Committee- Prof. Monika Agarwal/Prof Reema Kumari; Quarantine Committee- Prof. SK Singh; Containment Committee- Prof Monika Agrawal; Covid Duty perform by Prof. Monika Agarwal in July, 2021 at (POST MUCOR WARD), KGMU Lucknow; and Covid19 surveillance activities at UHTC, Alambagh and PHC, SarojiniNagar.

5 best Publications of the department are:

1. Shukla N, Agarwal M, Khanna A, Shukla AC, Varghese A. Acceptance of COVID-19 vaccination in India after the first phase-out: A cross-sectional community-based study. *Ann Natl Acad Med Sci [Internet]*. 2022;58(02):092–9. Available from: <http://dx.doi.org/10.1055/s-0042-1743136>
2. Awasthi S, Rastogi T, Pandey AK, Roy C, Mishra K, Verma N, et al. Epidemiology of hypoxic community-acquired pneumonia in children under 5 years of age: An observational study in Northern India. *Front Pediatr [Internet]*. 2021;9:790109. Available from: <http://dx.doi.org/10.3389/fped.2021.790109>
3. Tiwari A, Parveen K, Singh SK, Manar M. Urban Flood Relief Management in COVID-19 Pandemic. *Indian J Community Health [Internet]*. 2022;34(2):301–5. Available from: <http://dx.doi.org/10.47203/ijch.2022.v34i02.028>
4. Kar S, Sharma E, Agarwal V, Singh S, Dalal P, Gururaj G, et al. The socioeconomic burden and disability linked with mental illnesses: findings from the National Mental Health Survey of India 2015-16 in Uttar Pradesh. *GLOBAL PSYCHIATRY ARCHIVES [Internet]*. 2021;4(2):191–200. Available from: <http://dx.doi.org/10.52095/gp.2021.3586.1024>
5. Singh R, Verma AK, Singh H, Kumari R, Singh M, Rupani R. Estimation and epidemiological assessment of undiagnosed HIV cases and their co-positivity with hidden HBV & HCV in Lucknow and surrounding districts of northern India – a postmortem study. *Sri Lanka J Forensic Med Sci Law [Internet]*. 2021;12(2):3. Available from: <http://dx.doi.org/10.4038/sljfmsl.v12i2.7862>



## **Department of Critical Care Medicine** **Head: Prof. Avinash Agrawal**

Department of Critical Care Medicine has added Advance cardiac output monitor (PICCO), esophageal/transpulmonary pressure monitor, new Sonosite ang GE advanced bedside USG machine for patient care.

Dr Suhail Sarwar Siddiqui is the Editorial Board Member in Indian Journal of Respiratory Care and Executive Member in Indian Society of Critical Care Medicine, Lucknow Chapter.

Dr Sai Saran is the Executive Member in Indian Society of Critical Care Medicine, Lucknow Chapter.  
FRCP (Edin.) Fellow Royal College of Physician, Edinburgh

Extramural Project Funded in the department by government agency ICMR & DNDI on An open label, multicentre, randomized, adaptive platform trial of the safety and efficacy of several therapies, including antiviral therapies, versus control in mild cases of COVID-19 was sanctioned.

Five best publications of the department are:

1. Siddiqui SS, Saxena S, Agrawal S, Lohiya A, Muzaffar SN, Saran S, Misra S, Rai N, Agrawal A. The impact of a "short-term" basic intensive care training program on the knowledge of nonintensivist doctors during the COVID-19 pandemic: An experience from a population-dense low- and middle-income country. *Aust Crit Care*. 2022 Aug 25;S1036-7314(22)00114-X.
2. Siddiqui SS, Chatterjee S, Yadav A, Rai N, Agrawal A, Gurjar M, Yadav G, Prakash S, Kumar A, Muzaffar SN. Cytomegalovirus Coinfection in Critically Ill Patients with Novel Coronavirus-2019 Disease: Pathogens or Spectators? *Indian J Crit Care Med*. 2022 Mar;26(3):376-380.
3. Misra S, Kumar S, Rai N, Saran S. Approach to new-onset facial nerve palsy in a critically ill patient: A case report. *Int J Crit Illn Inj Sci*. 2022 Apr-Jun;12(2):115-117.
4. Kumari M, Verma S, Venkatesh V, Gupta P, Tripathi P, Agarwal A, Siddiqui SS, Arshad Z, Prakash V. Emergence of blaNDM-1 and blaVIM producing Gram-negative bacilli in ventilator-associated pneumonia at AMR Surveillance Regional Reference Laboratory in India. *PLoS One*.
5. Gautam M, Dandu H, Siddiqui SS, Atam V, Kumari S, Rathore S. Acute Methanol Toxicity: Clinical Correlation with Autopsy Findings, a Descriptive Study. *J Assoc Physicians India*. 2022 Jun;70(6):11-12.

Book/book chapters as contributions of department are:

- Book: Critical Care Medicine: Bench to Bedside; First Edition, Dr Suhail Sarwar Siddiqui et al. ISBN: 978-9354658891
- Chapter: Blood Gas Analysis and Acid-Base Disorders. Nitin Rai, Dalim Kumar Baidya. *Onco critical care*. Springer Nature. ISBN: 978-981-16-9929-0
- Chapter: How to improve Compliance to Protocols in Intensive Care Units? Arvind Baronia, Gautham Raju, Nitin Rai. *Critical care update 2022*. Jaypee brothers publishers (P) Ltd. ISBN: 9789354656521
- Chapter: COVID-19 associated pulmonary aspergillosis. Avinash Agrawal, Manoj Goel, Vikas Kesarwani. *Critical care update 2022*. Jaypee brothers publishers (P) Ltd. ISBN: 9789354656521

## **Department of Dermatology Venereology and Leprosy** **Head of the Department: Dr Swastika Suvirya**

Dr Swastika Suvirya became Member special interest group (SIG) leprosy, under IADVL (Indian Association of Dermatologist, Venereologist and leprologist). Dr Swastika Suvirya was awarded Manav ratan award-2022 by Hari Om sewakendra(NGO) on 14th January, 2022; IADVL scholarship for MID-DERMACON, Lucknow, 2022; and IAL Cash Scholarship for ILC 2022. Dr Swastika Suvirya received Extramural grant of Rs 1,02,687/ from Pigmentary disorder society(PDS) under IADVL(Indian Association of Dermatologist, Venereologist and leprologist) "Efficacy and tolerability of topical 1 % menthol lotion in treatment of primary localized macular cutaneous amyloidosis: A randomized triple blinded placebo controlled trial." Dr Swastika Suvirya-organised Web based CME for Nurses and physiotherapists "Leprosy Sensitization" on 23rd July 2022.

Dr Parul Verma became member Convener SIG NTD (Neglected tropical diseases) under IADVL (Indian

Association of Dermatologist, Venereologist and leprologist).

Department contributed short video on Public health awareness titled “नई सुबह की नई किरण” on 30th January 2022 (World Leprosy Day). Newspaper article in i-next on occasion of world leprosy day 29.1.22 on leprosy sensitization reaching out to general public. Faculty involved-Dr Swastika Suvirya. Made and displayed posters for Leprosy awareness in the OPD premises on the occasion of World leprosy Day in collaboration with Special Interest Group (SIG) Leprosy, on 30th January 2022 in both English and Hindi for sensitization of public regarding leprosy. Faculty involved-Dr Swastika Suvirya. Doordarshan programme -“Mission Health “ on 21.04.22 for creating awareness amongst general public regarding skin problems associated with high temperature. Faculty involved-Dr Swastika Suvirya. Doordarshan programme “Doctors -speak” on 22.09.21 for creating awareness amongst general public regarding skin diseases and treatment. Faculty involved-Dr Swastika Suvirya.

Five best publications of the department are:

1. Verma P, Suvirya S, Jha A, Shukla P, Singhai A. Atypical presentations of cutaneous tuberculosis: Series of 10 cases. *Indian J Tuberc.* 2022 Jan;69(1):113-119.
2. Shukla P, Malhotra KP, Verma P, Suvirya S, Saraswat A, Jain A. Unusual non-trophic ulcerations in leprosy: A case series of 17 patients. *Trop Doct.* 2021 Oct;51(4):542-552.
3. Sachan S, Chaudhry R, Pathania S, Suvirya S, Verma P, Reddy HD, Malhotra KP, Vinayaraj EV. Coexistence of primary erythema migrans and erythema multiforme in early Lyme disease. *Indian Journal of Dermatology, Venereology and Leprology.* 2022 Mar 29:1-3.
4. Husain U, Verma P, Suvirya S, Priyadarshi K, Gupta P. An overview of mycetoma and its diagnostic dilemma: Time to move on to advanced techniques. *Indian Journal of Dermatology, Venereology and Leprology.* 2022 Oct 12:1-6.
5. Shukla P, Verma P, Suvirya S, Pathania S, Kapoor D. Cutaneous dermatophytosis: A problem deeper than we perceive—A cross sectional prospective study on quality of life in 385 patients. *Clinical Epidemiology and Global Health.* 2022 Sep 1;17:101115.

Book/book chapter as contributions of department are:

- Verma P, Tripathi S. Non-venereal diseases of genitalia: Male, Female. In Marfatia Y and Singh S editors. *Clinical key Essentials India.* Elsevier online publication. (accepted)
- Verma P, Shukla P. Approach to a pregnant patient with skin rash. *Dermatoses of pregnancy.* In Marfatia Y and Singh S editors. *Clinical key Essentials India.* Elsevier online publication. (accepted)
- Verma P, Shukla P. deep fungal infections. In Relhan V and Bansal A editors, *essential dermatology-a practical case-based approach for examination.* Evangel publication New Delhi 2021, p. 43-51
- Verma P, Jha A, Sisadari D. Mycetoma and other Subcutaneous Mycoses. In Relhan V and Bansal A editors. *in essential dermatology-A practical case-based approach for examination.* Evangel publication new delhi 2021, p. 411-421
- Bindu V, Puri N, Suvirya S. Sexually transmitted diseases. In: Gupta Lk ed. *Multiple choice questions in Dermatology, Venereology and Leprosy 1st ed.* New Delhi: CBS publishers; 2022. p. 107-131.

## **Department of Emergency Medicine** **Head: Prof Haider Abbas**

Department of Emergency Medicine started MBBS teaching for long and short clinic ; and also Started MD Course in emergency Medicine.

New Equipment's added in department include Transport Ventilators and Audio-Visual System for Teaching & Training.

Dr Ahsan K Siddiqui, Additional Professor and Dr Mukesh Kumar, Assistant Professor, joined as new faculty member in the department.

World Emergency Medicine Day, 2022 was celebrated in the department.

Faculty of the Department received “Teacher of the Year Award” by the American College of Physicians, India Chapter, 2022 and FRCP, Fellowship of the Royal College of Physicians and Surgeons of Glasgow, 2022

Prof Haider Abbas received Fellowship of College of General Practitioner's, IMA, India; Fellow, IIP, FlexiChair, India; Membership, American College of Physicians, USA and Life membership, Society for Emergency Medicine, India.

Prof Haider Abbas, Fellow of Royal Society of Medicine, London, UK.

Publications in indexed peer reviewed journal are:

1. Mita, Zia Arshad, Ahsan K Siddiqui, Ram Gopal Maurya, Gyan Prakash Singh, Haider Abbas; Comparison of Ultrasound-based Diaphragmatic Thickness Fraction (DTF) with Rapid Shallow Breathing Index and DTF alone for Predicting Successful Weaning from Mechanical Ventilation: A Randomized Control Trial; Journal of Clinical and Diagnostic Research; Vol 16, Issue (6),67-71
2. Kuldeep Singh Sindhlian, Zia Arshad, Prashant Gupta, Vipin Kumar Singh, Gyan Prakash Singh, Haider Abbas Sepsis in Critically Ill Patients: Epidemiology, Risk Factors, and Role of Matrix-Assisted Laser Desorption/Ionization-Time of Flight Mass Spectrometry for Identification of Sepsis-Causing Organisms; Cureus, 2022 Feb; 14(2): e22445
3. Nidhi Gupta, Tanmay Tiwari, Haider Abbas: Airway management in patients with neck burn contracture; Indian Journal of Burns; Vol 20, Issue 1;P7-11

## Different Potential Mitochondrial Drug Targets in Oral Carcinogenesis Ekta Raphael Anthony, Rahul Pandey, Divya Mehrotra\*

### **Abstract:**

While mitochondrial drug targets in oral carcinogenesis are widely recognized as essential considerations in health research, the presence of these and other critical determinants of health in research findings remains quite variable in published literature. In an effort to close this knowledge gap concerning the implications of mitochondrial drug targets in oral carcinogenesis in health research is evidence base, the Polymorphism Journal has recently adopted an editorial policy requiring authors to ensure that their manuscripts speak to these concepts, where applicable.

Cancer is a genetic disease that chiefly consists of unregulated cell growth and division caused by changes to genes or damage to DNA. In cancer, a cell divides and grows uncontrollably, forming malignant tumours and invading nearby body parts. Cancer may also spread to more distant parts of the body through the lymphatic system or bloodstream. Oral cancer is currently a major global health issue [1] and is most commonly found in many underdeveloped South Asian countries, especially among men in comparison to women. In India, considering the mortality rate among various cancers, the primary reason for death in men is due to oral cancer [2]. Oral Squamous cell carcinoma (OSCC) occurs at the lips, hard palate, upper and lower alveolar ridges, anterior two-thirds of the tongue, sublingual area, buccal mucosa, retromolar trigone, and the floor of the mouth [3] and is the most common subtype of Head and Neck Squamous Cell Carcinoma. Globally, the incidence of OSCC was increasing and accounted for 8.8 million deaths in the year 2015 [<https://www.who.int/en/news-room/factsheets/detail/cancer>] [4]. A high prevalence of tobacco and alcohol consumption and the Human Papilloma Virus (HPV) are some of the causative agents of the OSCC [5]. The late diagnosis and lack of clinical interventions are some of the salient reasons for the high mortality rate due to OSCC. Diagnosis of oral cancer at later stages implies that the neoplastic cells become aggressive and become resistant to standard therapeutics [2]. Despite the vast amount of research and several conventional therapeutics advancements for oral cancer patients, many drawbacks have to be addressed, like surgical resection leads to constant defacement, altered individuality, and devitalizing physiological consequences. Similarly, chemotherapies and radiotherapies result in toxic effects, thus affecting the welfare and quality of patient life [6]. Therefore, the prognosis for the OSCC patient remains a poor and burdensome task with a five-year survival rate that encourages further research on the factors which modify the disease outcome [5, 7].

Previous studies account for the inter-relation of mtDNA mutation and apoptosis in various types of cancer. There are many pathways through which apoptosis is dysregulated in the mitochondria of cancerous cells. One mechanism is free radical-induced cell death, where defective mitochondria overproduce free radicals. There are many genes involved in the apoptotic pathway. Mechanisms for a few genes like the B cell Lymphoma-2 (BCL-2) and B cell Lymphoma-2 Associated X, Apoptosis Regulator (BAX) are understood, but still, there are many whose roles and exact function is still poorly understood. In the mechanism of apoptosis, the caspases play a central role as they are both the initiators and executioners. The apoptotic pathway has three critical pathways Extrinsic Apoptotic Pathway (Death Receptor Pathway), Intrinsic Apoptotic Pathway (Mitochondria Pathway),

and Initiation Pathway (Intrinsic Endoplasmic Reticulum Pathway). The dysregulation of the apoptotic pathway leads to cancer. In cancer, during oncogenesis, there is an over-expression of antiapoptotic proteins while a down-expression of proapoptotic proteins. There is a proliferative expression of Inhibitors of Apoptotic Proteins (IAPs).

Caspase expression decreases while TP53 expression increases. In an impaired receptor signalling pathway, there is a reduced expression of the death receptor and signals [8, 9]. Thus, we see various genes that are either drivers or followers during oncogenesis. Because there is difficulty in identifying which genes are drivers and which are followers, the search for an ideal drug target in oral cancer up till now has been unfruitful. The present study focuses on the potential therapeutic drug target to trigger mitochondrial-dependent cell death in oral carcinogenesis. The present study's novelty has been identifying potential therapeutic drug targets to start mitochondrial-dependent cell death involved in cellular apoptosis in oral carcinogenesis using a bioinformatics approach. The main objective of the present study is to identify suitable therapeutic drug targets that trigger mitochondrial-regulated cell death, which is the first study of this type. The initial effort to address the mitochondrial drug targets in oral carcinogenesis in the Polymorphism Journal has adopted an editorial policy that asks the authors to address the relevance of the role of mitochondrial drug targets in oral carcinogenesis. While this most recent policy shift focuses specifically on finding mitochondrial drug targets in oral carcinogenesis in cancer research findings, the importance of other exciting factors in advancing our understanding of the health of populations cannot be ignored. The first step with the new Polymorphism Journal policy will require authors to speak to how the mitochondrial drug targets in oral carcinogenesis are presented in their studies. Specifically, the Polymorphism Journal Board now requires all authors to answer the following questions as part of the manuscript submission process:

1. More datasets should be used for the study. Yes/No
2. For the construction of Protein-Protein Interaction, Bioconductor should be used. Yes/No
3. If No, please describe why only one dataset should be used.
4. If No, please describe why Cytoscape is an excellent software for constructing the Protein-Protein Interaction.

This shift will require both authors and reviewers to consider the complex ways in which the determinants of health contribute to advancing the evidence based on mitochondrial drug targets in oral carcinogenesis. Authors:

1. Ekta Raphael Anthony, DHR-MRU
2. Rahul Pandey, Department of Oral and Maxillofacial Surgery
3. Dr Divya Mehrotra\*, Professor, Department of Oral and Maxillofacial Surgery, King George's Medical University, Lucknow.

\*Corresponding Author: Email: divyamehrotra@kgmcindia.edu

Source(s) of support: None

Conflicting Interest: None

Acknowledgement: None

## Department of Endocrine Surgery Head of the Department: Dr. Anand Kumar Mishra

New equipment added in the department include Liposuction (By Equipment cell)

Spy PHI Camera (By Equipment cell), Deep Freezer (By Equipment cell) and Lymph press (By Donation)

Prof. Anand Mishra became EcMember (UP) in Association of Surgeons of India, Director Education (North Zone) in Association of Breast Surgeons of India, Vice President in Indian Association of Endocrine Surgeons, International Advisor in Asian Association of Endocrine Surgeons, Educational Board :- World Journal of Endocrine Surgeons and Reviewer:- Indian Journal of Surgeons, Journal of Medical Insight, Indian Journal of Surgical Oncology.

Dr Pooja Ramakant became Editor in Chief, Indian J of Endocrine Surgery and Research journal (2020-2024); Council Member in Breast Surgery International Society (2022-2024) FRCS Glasgow FISS in ISS 2022. Dr. Kul Ranjan Singh is Joint Secretary, Indian Association of Endocrine Surgeons, Reviewer in Indian Journal of Surgeons, Journal of Thyroid Research

Prof. Anand Mishra gave Dr. SC Misra Oration at UPASICON 2022.

Dr Ganesh Bhatt, Senior Resident was Awarded BSI Travel grant of 1000\$ to attend International Surgical Week

2022, Vienna; Awarded CSIR Foreign Travel Grant to attend International Surgical Week 2022, Vienna and Certificate of appreciation as first author in the section of case reports in Indian Journal of Endocrine Surgery and Research, June 2021 Dr. Rizhin Sooraj presented Poster in “Recent advances in breast cancer management” held at Himalayan Institute of Medical science, Dehradun held in June 2022; Granted Prof. Sarat Chandra fellowship by Indian Association of Endocrine surgeons, 2022. Prof. Jothi Ramalingam received Best Paper Award at IAESCON 2022 held at Christian Medical College, Vellore.

Prof. Anand Mishra was awarded MCh (Breast Oncoplasty) from University of East America UK

Dr. Pooja Ramakant: ASS/ARCS.

Eminent visitors to the department were Dr. Dependra Narayan Singh, Endocrine Surgery Consultant, Jaipur; Dr. Vivek Aggarwal, Endocrine Surgery Consultant, New Delhi; Dr. Anshika Arora, Assoc. Professor, Dep't of Surgical Oncology, Jolly Grant Hospital, Dehradun.

Extramural Projects were funded in the department by various government agencies

Integrated transcriptomic and metabolomic analysis of metabolic disturbance in hormone receptor positive breast cancer cell (Project ID 1375) (11.44 lakhs sanction from Council of Science & Technology, UP.

Role of Prostates tumor over expression (PTOVI) in horizontal transfer of bioactive molecules naexosomes in breast cancer cells and its clinical implication ICMR-36 Lacs.

Correlation between intraoperative quantitative assessment of parathyroid blood flow during total thyroidectomy after gland excision using indocyanine green with post operative hypocalcemia - A Prospective observational study (Applied).

Efficacy of pre-operative Lugol's Iodine in reducing peri-operative complications in Graves' disease following thyroidectomy—A Randomized control trial (Applied).

KGMU Breast Update 2022, Conference was conducted at 8th floor Auditorium, Shatabdi Phase 2, KGMU held on 23-24th September 2022.

Value added/enrichment program organized include: Endocrine Surgery department Faculties and Residents actively participated in Health Mela organized at KGMU for KGMU staff and Faculties in August, 2022; BMW Management 2022, Seminar held at 8 July 2022.

Endocrine Surgery department Faculties and Residents actively participated in Health Mela organized at KGMU for KGMU staff and Faculties in August, 2022.

COVID specific initiatives at Departmental level Training / Certificate courses COVID Protocol Awareness program Held at 23/05/2022.

Five best publications of the department are:

1. M Thakur, R Sharma, Anand Kumar Mishra, et al. Psychological distress and body image disturbances after modified radical mastectomy among breast cancer survivors: A cross-sectional study from a tertiary care centre in North India. *The Lancet Regional Health - Southeast Asia*, Volume 7, 2022, 100077, ISSN 2772-3682, <https://doi.org/10.1016/j.lansea.2022.100077>. (<https://www.sciencedirect.com/science/article/pii/S2772368222000932>)
2. Thakur, Monika; Sharma, Roopali; Mishra, Anand Kumar; Singh, Kulranjan: Posttraumatic Growth and Psychological Distress among Female Breast Cancer Survivors in India: A Cross-Sectional Study. *Ind J Med PaediatrOncol*. March 2022. DOI <https://doi.org/10.1055/s-0042-1742441>. ISSN 0971-5851.
3. Sasi M, Shreyamsa M, Garg S, Enny L, Singh KR, Rana C, Ramakant P, Mishra A. Role of Preoperative Calcium and Vitamin D Supplementation in Preventing Post-total Thyroidectomy Hypocalcemia. *World J EndocSurg* 2022; 14(1):7-14.
4. Ramakant P, Yeola M. Identification of Challenges Faced by Medical Faculties Trained in Curriculum Implementation Support Program in Implementation of New MBBS Curriculum. *Indian J EndocSurg Res* 2022; 17(1):4-7.
5. Garg, S., Mouli, S., Singh, K.R., Ramakant P, Anand K Mishra. Revisiting Combination Chemotherapy as a Single Modality Palliative Therapy for Advanced Anaplastic Thyroid Carcinoma—a Single Institution Experience. *Indian J SurgOncol* (2021). <https://doi.org/10.1007/s13193-021-01401-w>.

Book/book chapter as contributions of department are:

- Editor in Chief “Endocrine Surgery- South Asian Perspective” published by CRC Press Francis and Taylor 2022. It is comprehensive text book on Endocrine Surgery covering disorders of thyroid, parathyroid, adrenal

glands along with neuroendocrine tumors of pancreas and gastrointestinal tract. It is a comprehensive, up-to-date treatise covering embryology, anatomy, etiology, clinical manifestations, diagnoses, and treatment modalities of surgical endocrine diseases. The topics are written with a South Asian perspective. The Book is published globally from 7th January 2022. (ISBN: 9780429197338, 0429197330)

- Editor in Chief of "A Clinical Guide to Thyroidectomies" from Nova Science Publishers, Inc. 415 Oser Avenue, Suite N, Hauppauge, NY 11788 USA (<https://novapublishers.com/shop/a-clinical-guide-to-thyroidectomies/>) ISBN: 978-1-68507-814-0 DOI: <https://doi.org/10.52305/AVJI5977>
- Co Editor of "IAES Textbook of Endocrine Surgery" under publication by Jaypee Group New Delhi, India
- "Chronicles of Breast Cancer Survivors: stories of Hope, strength and inspiration" published by Stardom Books USA ([www.stardomBooks.com](http://www.stardomBooks.com)) A book on breast cancer for everybody written for awareness and for point of Learning from survivors. (ISBN 978-1-957456-08-9)
- Book chapter "Endocrine Surgery- South Asian Perspective" published by CRC Press, Francis and Taylor 2022 (Chapter described in serial 1-21)
- Surabhi Garg, Shreyamsa M and Anand Kumar Mishra: History of Thyroid Surgery
- Sasi Mouli, PV Pradeep and Anand Kumar Mishra: Hyperthyroidism
- Anand Kumar Mishra: Nonsurgical Management of Thyroid Nodules
- Anand Kumar Mishra: Management of Non-Endemic Goiters
- Anand Kumar Mishra: Differentiated Thyroid Carcinoma
- Shreyamsa M, Anand Kumar Mishra and KulRanjan Singh Poorly Differentiated Thyroid Carcinoma in
- Sasi Mouli, Anand Kumar Mishra and KulRanjan Singh. Anaplastic Thyroid Carcinoma
- Anand Kumar Mishra, Amit Agarwal, Rajeev Parameswaran, Soe Tin, Ranil Fernando, Khalid Alhajri, Ali Korairi, Marya Al Suhaibani and Özer Makay Thyroid Surgery in South Asia
- Anand Kumar Mishra and KulRanjan Singh. Thyroidectomy
- Lorenzo E. Enny, Faraz Ahmad, KulRanjan Singh and Anand Kumar Mishra. Post-thyroidectomy Hypocalcemia
- Anand Kumar Mishra and KulRanjan Singh Extent Of Surgery
- Surabhi Garg, KulRanjan Singh and Anand Kumar Mishra Recurrent Goiter
- KulRanjan Singh, Anand Kumar Mishra and Pooja Ramakant. Retrosternal Goiter
- Pooja Ramakant, Chanchal Rana, KulRanjan Singh and Anand Kumar Mishra Parathyroid Carcinoma
- Lorenzo E. Enny, KulRanjan Singh and Anand Kumar Mishra: Management of Recurrent Primary Hyperparathyroidism
- Anand Kumar Mishra: Cushing's Syndrome
- Anand Kumar Mishra: Insulinoma
- Anand Kumar Mishra: Gastrinoma
- Anand Kumar Mishra: Rare Pancreatic Endocrine Tumor
- Anand Kumar Mishra: Carcinoid Syndrome
- Anand Kumar Mishra: Multiple Endocrine Neoplasia
- Vnssvams Mahalakshmi D, Sabaretnam M, KulRanjan Singh and Anand Kumar Mishra: Endocrine Emergencies
- N Raja, K Singh, Anand Kumar Mishra Adequate surgery for euthyroid benign nodular goiter ("A Clinical guide to thyroidectomies"- Published by Nova Publishers)
- S Garg, K Singh, Anand Kumar Mishra Solitary thyroid nodule; Evaluation and surgery ("A Clinical guide to thyroidectomies"- Published by Nova Publishers)
- L Enny, Anand Kumar Mishra Differentiated thyroid cancer- Evaluation and Management surgery ("A Clinical guide to thyroidectomies"- Published by Nova Publishers)
- Muthukumar S, Md Salmon M, Anand Kumar Mishra Thyroidectomy surgery ("A Clinical guide to thyroidectomies"- Published by Nova Publishers)
- K Singh, Anand Kumar Mishra, F Ahmad Surgical Techniques in Retrosternal Goiters surgery ("A Clinical guide to thyroidectomies"- Published by Nova Publishers)
- Surgery for Grave's Disease
- IAES text book of Endocrine Surgery

Chapter on laboratory evaluation of Endocrine tumors

## **Department of Forensic Medicine & Toxicology**

### **Head: Prof. Anoop Verma**

New equipment added in the department include HPTLC (High performance Thin Layer Chromatography).  
Details of Faculty with active role in National/ International institutes/ Industries/ Editorial boards  
Editorial Board Member  
EMS Forensic Science Journal  
Toxicology and Forensic Medicine – Open Journal

National/ International awards/ memberships/ fellowships received Membership  
Indian Society of Toxicology  
1st Prize in poster competition of 4th International conference of Forensic odontology and Child abuse

Dr V V Pillay, Prof & Head, Department of Forensic Medicine & Toxicology, Amrita Institute of Medical Sciences, Kochi visited department.

Symposium on Emergency preparedness and response to chemical, Biological, Radiological and Nuclear (CBRN) Events was conducted in the department.

Five best publications of the department are:

1. Acute Methanol toxicity: Clinical correlation with autopsy findings, A descriptive study. Gautam M, Dandu H, Siddiqui SS, Atam V, Kumari S, Rathore S. J Assoc Physicians India 2022;70 (6):42-45
2. Reflected near-infrared photography: Digging deeper into postmortem examination. Dubey A, Rupani R, Sharma V, Singh RK, Kumari S, Verma AK. Journal of Forensic and Legal Medicine 2022 Jul 12:102397
3. Singh P, Singh M, Rupani R, Sawlani KK, Verma AK: Epidemiological profile of Snakebite Cases in King George's Hospital Lucknow. J Punjab Acad. Forensic Med Toxicology 2022;22(1)ISSN:0972-5687
4. Singh P, Singh M, Rupani R, Sawlani KK, Verma AK: Acute kidney & outcomes in snakebite envenomation cases. International journal of Medical Toxicology & Legal Medicine, 2022, 25(1)
5. Singh R, Verma AK, Singh H, Kumari R, Singh M, Rupani R. Estimation and epidemiological assessment of undiagnosed HIV cases and their co-positivity with hidden HBV & HCV in Lucknow and surrounding districts of northern India-a postmortem study. Sri Lanka Journal of Forensic Medicine, Science & Law. 2021;12(2):3-9

## **Department of Geriatric Mental Health**

### **Head: Prof. Shrikant Srivastava**

New services added in the department include Geriatric Wellness Clinic - a unique program where an outpatient clinic of the department will be situated in the main OPD building, for ease of referrals for older adults attending the outpatient clinic of other departments.

Department has been recognized as National Medical Council assessed the DM Geriatric Mental Health examination in August 2022 for recognition of enhanced number of seats (in 2018 the number of seats were increased from 1 to 3).

Prof. Shrikant Srivastava is in the Editorial board of journals (Journal of Geriatric Mental Health and Psychiatry Research); Executive Committees of National Bodies (Central Psychiatric Society - Chairman CME and Indian Association of Geriatric Mental Health).

Dr Rakesh Kumar Tripathi, Professor Jr Grade cum Clinical Psychologist is in the Editorial Board Member, Journal of Gerontology and Geriatric Research since 2013 and Journal of Psychosocial Wellbeing. Also he is member in Review committee of Polish Psychological Bulletin; Journal of Geriatric Psychiatry and Neurology (JGPN), Clinical Epidemiology and Global Health.

Prof. Nisha Mani Pandey, Professor Junior Grade (Non-medical) is Research & development as Coordinator, Research Capacity Building; Activities & guiding PhD students, Research & Development, K.G.M.U.,

Lucknow; Coordinating and monitoring activities of ethics committee, KGMU; Member, Mahila Adhyayan Kendra and IQAC, KGMU ; Member, Editorial Board of Annals of Geriatric Education and Medical Sciences and Journal of Aging and Gerontology; Reviewer, Baishideng Publishing Group\_ F6 publishing <https://www.f6publishing.com/> Highly Influential PeerReviewers?pageNumber=1&name=Nisha%20Mani%20Pandey&country=India ; and Expert panelist of Lilavati Award on Women empowerment, 2020-21; All India Council for Technical Education (AICTE), NelsonnMandela Road, Vasant Kunj, New Delhi-110070

Best Paper Awards in the Annual Conference of Indian Association of Geriatric Mental Health (Leh, May 2022) awarded to Pooja Misal - DM Student and HV Suresh - DM student

Certificate of appreciation and 2nd prize for the poster in the 9th World Congress of Asian Psychiatry, Hyderabad on 18th Sept, 2022 awarded to Nisha Mani Pandey.

Memberships were offered to Rakesh Kumar Tripathi for Fellow of Clinical Psychology Society of India (CPSI): Fellow 0020/2022 and Life Associate Member of Indian Psychiatric Society (IPS): LAM/R01/22.; and Prof Nisha Mani Pandey Member, American Psychological Association (APA) C210346237

Ad Hoc - Dr.Nimitha KJ, Ad Hoc - Dr.Ambrish Mishra, Ad Hoc - Dr. Vidya KL and Ad Hoc - Dr Pooja Misal joined the department in year 2022.

Professor Girishwar Mishra, Renowned Psychologist in the world and Former Vice Chancellor, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha (Maharashtra) an eminent visitor visited department.

Akanksha Sonal received India Health Policy and System Research Fellowship - supported by Sir Ratan Tata Trusts, Bill & Melinda Gates Foundation, and Access Health International. Amount INR 6 lakhs.

Scientific workshop/CME/Conference/Webinar/ organized by department are:

Dr. Nisha Mani Pandey, was Coordinator and resource person of Post Graduate Seminar series 1 and 2 carried out in 2021 and 2022; Organizing secretary of an International webinar on Mixed Method Research titled How to Conduct Semi-Structured Clinical Interviews in Mixed Method Research: Evidence-Based Practical Tips-by Prof. Jared Kass, Fulbright Specialist in Global/Public Health, Approved Candidate Roster, Bureau of Educational and Cultural Affairs, U.S. Department of State on 09-05-2022, Monday; Organized Guest Lecture on Future of Mental Health by Prof. Girishwar Misra, Former Vice Chancellor, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha (Maharashtra) in Brown Hall, KGMU on 20-04-2022; Proposed and organized symposium on Clinical Use of Religion and Spirituality in Geriatric Mental Health during for 73rd Annual National Conference of Indian Psychiatric Society 2022 March 24-26, 2022 Vizag Conventions, PM Palem, Visakhapatnam.

Value adding and enrichment program were organized by Dr. Rakesh K Tripathi and Dr. Nisha Mani Pandey both providing their consultation services in the Student Counseling Centre to the office of Dean, student welfare, KGMU on every Wednesday and Thursday and once in a month on Friday by devoting their 1 hr. Time i.e. 03:00-4:00 PM. Also Dr. Nisha M Pandey -PG seminar series\_1 and 2 2021 and 2022.

Extension/ Social outreach activities at departmental level includes Psychological counselling opd for cancer and other interested patients at new OPD building by Rakesh Kumar Tripathi on Wednesday.

Five best publications of the department

1. Sonal A & Srivastava, Shrikant. Aripiprazole as First-Line Therapy for Late-Life Depression, Journal of Clinical Psychopharmacology: 5/6 2022 - Volume 42 - Issue 3 - p 280-283 doi:10.1097/JCP.0000000000001530. JCR-Impact Factor 3.118
2. Tripathi SM, Murray AD. Alzheimer's Dementia: The Emerging Role of Positron Emission Tomography. The Neuroscientist. 2022;28(5):507-519. doi:10.1177/1073858421997035
3. Tripathi SM, Murray AD, Wischik CM, Schelter B. Crossed cerebellar diaschisis in Alzheimer's disease. Nucl Med Commun. 2022 Apr 1;43(4):423-427. doi:10.1097/MNM.0000000000001531. PMID: 35081090.
4. Pandey NM, Tripathi RK, Kar SK, Vidya KL, Singh N. Mental health promotion for elderly populations in World Health Organization South-East Asia Region: Needs and resource gaps. World Journal of Psychiatry, 2022; 12(1): 117-127. DOI: 10.5498/wjp.v12.i1.117(DECEMBER)



Tripathi RK, Tripathi SM, Pandey NM, Srivastava A, Usman K, Ali W, Tiwari SC. Cognitivistatus of older adults with diabetes mellitus, hypertension, and dyslipidemia on HindiCognitive Screening Test and Saint Louis University Mental State. Journal of GeriatricMental Health , 2021, 8: 118-125. (Dec)F. Pandey NM, Tripathi RK, Tiwari S. Life skill training workshop in Geriatric mental healthfor postgraduate students: An appraisal. Journal of Geriatric Mental Health, 2021, 8:126-129. (Dec)

## **Department of Hospital Administration** **Head of the Department: Dr Nitin Dutt Bhardwaj**

Faculties of Department of Hospital Administration played active role in various National / International institutes which includes NQAS assessment by Dr Nitin Dutt Bhardwaj (Associate Professor & Head) at-UPHC Srinivasangan Khammam, Telengana, PHC Thipparthy Nalgonda, Telengana, PHC Kusumanchi, Rajmundary, Telengana, PHC Dummugudem, Bhadradi, Kothgudem, Aligarh, Uttar Pradesh and CHC Mehdawal, Santkabirnagar, Uttar Pradesh. State KAYAKALP assessment was done by Dr. Nitin Dutt Bhardwaj at- CHC Pharenda, Maharajganj, Uttar Pradesh PHC Sitapur, Uttar Pradesh; PHC Hillauli, Unnao, Uttar Pradesh; PHC Chamrauli, Unnao, Uttar Pradesh and HWC Jagdishpur, Uttar Pradesh

Dr Nitin Dutt Bhardwaj Associate professor & Head department of hospital administration KGMU Lucknow was appointed as examiner in various universities in India- Examiner in MGUMST Jaipur in September 2021 and Examiner in Era University.

Brig. (Dr) Pradeep Srivastava, Associate professor department of hospital administration KGMU Lucknow is National NQAS NABH assessor, Examiner MUHS, Nasik; Examiner MPSC, Bhopal

National/international awards memberships/ fellowships received by faculty, staff and students-

Faculty Memberships-

Dr Pradeep Srivastava Associate Professor Dept. of hospital administration is editor in JAHA and became members of Academy of hospital Administration (AHA), Indian Epidemiological Society Edinburg ,National Forensic Association of India and Indian Medical Council.

Dr Nitin Dutt Bhardwaj Associate Professor & Head Dept. of hospital administration is member Academy of Hospital Administration (AHA), ISHWM Lucknow chapter treasurer and AHA Lucknow chapter treasurer.

Student Memberships of AHA is received by Dr Anmol Jain JR-3 MD(HA) ,Dr Kris Agarwal JR-3 MD(HA), Dr Umesh Dhar Dubey JR-2 MD(HA) and Dr Sairaj Chodankar JR-2 MD(HA).

Brig (Dr.) Pradeep Srivastava joined our department on 3rd of June 2022 at rank of Associate professor.

Eminent visitors to the departments were Brig. (Dr) Rakesh Datta and Col. (Dr) Deepti Sharan visited the department in July 2022 to study the functioning of Department of Hospital Administration KGMU Lucknow; DGME Uttarakhand and Commissioner Uttarakhand visited our department for MOU with KGMU; Brig (Dr) U B Mishra, Prof & Head, Dept of Hospital Admin. & Dean Hospital Affaires, AIIMS Rishikesh; Dr Hem Chandra, Vice Chancellor, HNB Uttarakhand Medical education University, Dehradun, visited the department on 21st June 2022 for MD(HA) Practical examination and evaluation and meeting for Board of Studies MHA And MD (Hospital Administration).

Publications from the department include Nitin Dutt Bhardwaj, John Paul G. Momin, Supriya Singh, Amit Kumar; A Study on Unit Cost of Diet in a Tertiary Care Government Hospital; International Journal of Scientific Research; Volume-10 Issue-11 November-2021 PRINT ISSN No. 2277 - 8179 DOI: 10.36106/ijsr. Department formulated a S.O.P manual on CSSD comprising standard objective protocols and procedures to be followed for university.

## Department of Medical Gastroenterology Head: Dr.SumitRungta

New Equipment Fibroscan and Manometry are added to the department in the year 2022.

Dr.SumitRungta currently an editor of NMO Journal and a member of the Indian Society of Gastroenterology (ISG), Association of Physicians of India (API), Indian Medical Association (IMA), and Society of Gastrointestinal Endoscopy of India (SGEI). Dr.SumitRungta is the member of CDSCO (Central Drugs Standard Control Organization) New Drugs Division member of Subject Expert Committees (SECs) in the current year.

Two new faculty members Dr. Anil Kumar & Dr. Ankur Yadav joined the department

Prof. UC Ghoshal (HOD, Gastroenterology, SGPGIMS, Lucknow) and Dr. Amit Goel (Additional Professor) visited the department for an academic and research activity.

Three extramural project grants received by the department from different funding agency such as ICMR and CST-UP includes Epidemiology of Pancreatitis and Major Gastrointestinal Diseases: A MultiCentre Study across India – An ICMR Task Force Project. Funding Agency & Year-ICMR-2021; Reduced duration of Eight versus twelve weeks of Sofosbuvir-Velpatasvir in treatment naive non-cirrhotic patients with chronic hepatitis C virus infection: A Multicentric, Open labeled, Randomized, Non-inferiority trial (RESOLVE). Funding Agency & Year-ICMR grant in aid Scheme of the Department of Health Research in the year 2022 and; Study of Virological profile in Hepatitis B Virus Infected Women of Reproductive Age. Funding agency & year- CST-UP, 2022.

A Webinar organized on the occasion of World Hepatitis Day 28 July 2022 under the theme of “Bringing Hepatitis Care Closer to You” in joint collaboration with SGPGIMS Lucknow. 3 days teaching and training program of State medical officers for diagnosis and management of viral hepatitis (3-5 March, 2022) was organized. 3 days teaching and training program of State medical officers for diagnosis and management of viral hepatitis (14-16 March, 2022).

Five seats of DM Gastroenterology course are approved by NMC New Delhi from this academic year. In the view of patient's care OPD days increased by twice weekly (Monday and Friday) to 4 days in week (Monday, Tuesday, Friday and Saturday). Esophageal and Ano-rectal Manometry and impedance/pHmetry started by the department. Extension/Social outreach activities at Department level. Different Social outreach activities were done by the Department for awareness about the Hep-B, Hep-C and other viral hepatitis. COVID specific initiatives at Department level Training/ Certificates courses. At the different time interval COVID specific training was done at the Departmental level

Five best publication of the department are:

1. Rungta S, Kumari S, Deep A, Verma K, Swaroop S. APRI and FIB-4 performance to assess liver fibrosis against predefined Fibroscan values in chronic hepatitis C virus infection. *J Family Med Prim Care* 2021;10:4082-8.
2. Rungta S, Kumari S, Verma K, Akhtar G, Deep A Sr, Swaroop S. A Comparative Analysis of the APRI, FIB4, and FibroScan Score in Evaluating the Severity of Chronic Liver Disease in Chronic Hepatitis B Patients in India. *Cureus*. 2021; 13(11): e19342.
3. Goel A, Rungta S, Verma P, Verma A, Verma AN, Rai P, Aggarwal R. Viral suppression is comparable with 0.5 mg and 1.0 mg daily doses of entecavir in treatment-naive HBV-related decompensated cirrhosis. *Antiviral Therapy*. 2020;25(5):267-273.
4. Goel A, D S Bhadauria, A Kaul, A Verma P Tiwari, S Rungta, P Rai et.al. Acute Hepatitis C treatment in advanced renal failure using 8 weeks of pan-genotypic daclatasvir and reduced dose sofosbuvir. *Nephrology Dialysis Transplantation*, 2021 Sep 27;36(10):1867-1871.
5. Srivastava M, Rungta S, Dixit VK, Shukla SK, Singh TB, Jain AK. Predictors of Survival in hepatitis B virus related decompensated cirrhosis on tenofovir therapy: An Indian perspective. *Antiviral Research* 2013;100(2):300-5.

## Department of Medical Oncology Head: Dr Esha Jafa

The department started its services on 10th February 2021. The department of Medical Oncology at KGMU is the only department of medical oncology in any government medical college or university of the entire state of Uttar Pradesh with a regular full time faculty who has DM degree from INI (Institute of National Importance-JIPMER) and has maximum cancer patients getting benefitted from govt's cashless schemes.

In spite of being the only faculty in the department, there has been active participation in all the in-house interdepartmental meetings and conferences and virtual national and international meetings like ESMO and ASCO 2022. Social activities like patient awareness on international yoga day, world tobacco day was conducted.

Five best publications of the department-

1. Jafa, E., L. C., Nisha, Y. et al. Comparison of Efficacy of Aspirin Plus EOX vs. EOX Alone in Patients with Locally Advanced and Metastatic Gastric Cancer: a Randomized Clinical Trial. *J Gastrointest Canc* (2022). <https://doi.org/10.1007/s12029-022-00845-9>
2. Sahil Gupta, Esha Jafa, Akanksha Bansal. Issues in Adolescent and Young Adult Oncology in a Developing Country Like India. *Indian J Med Paediatr Oncol* 2020; 41(05):724-726. DOI: 10.4103/ijmpo.ijmpo\_185\_20
3. Ravi Jaiswal, Esha Jafa. Epigenetics. *Indian J Med Paediatr Oncol* 2020; 41(03): 378-380 DOI: 10.4103/ijmpo.ijmpo\_24\_20
4. Pratik P. Patil, Esha Jafa, Mayank Aggarwal. Minimal Residual Disease in Acute Lymphoblastic Leukemia. *Indian J Med Paediatr Oncol* 2021; 42(01): 071-076 DOI: 10.1055/s-0041-1729730
5. Das, S., Kumar, V., Jafa, E., Basavarajegowda, A., & Kayal, S. (2018). Completed disappearance of ABO antigen—a cause of ABO discrepancy. *Transfusion*, 58(1), 56. doi:10.1111/trf.14231

## Department of Medicine Head of the Department: Prof. Virendra Atam

New equipments installed in the department include –Video Duodenoscope (installed on 12/05/22), ECMO (installed on 12/07/22) and Plethysmography machine (21/04/22). Prof. S C Chaudhary was appointed as Vice Chairman, UP API ; Prof. K K Swalani as Vice Chairman, UP API and Dr. D Himanshu is serving as Treasurer in UP API. Prof. Kauser Usman was made Section Editor (Geriatric Medicine), *Medicine Update* 2022. New Delhi: Evangel 2022, Vol 32 (ISBN 978-93-90616-44-2) Dr. Deepak Bhagchandani was awarded “Popular Young teacher Award” on 5th Sept. 2022.

Workshop on CRRT was organized on World Kidney Day on 10th March 2022. Awareness program was organized on “World Hepatitis Day” on 26th July, 2022. Bhatia- Misra Oration by Dr. Sudhir Rathore was organized on 25th August 2022. Training of residents and paramedical staff on the topic “handling of endoscopy instruments” was successfully completed on 15th Sept. 2021

Five best publications of the department:

1. Dandu, H, Yadav, G, Malhotra, HS, Pandey, S, Sachu, R, Dubey, K. Hemophagocytic histiocytosis in severe SARS-CoV-2 infection: A bone marrow study. *Int J Lab Hematol*. 2021; 43: 1291– 1301.
2. Reddy, D. Himanshu, et al. "COVID-19 cases and their outcome among patients with uncommon co-existing illnesses: A lesson from Northern India." *Clinical Epidemiology and Global Health* 15 (2022): 101044.
3. Gautam, M., Dandu, H., Siddiqui, S. S., Atam, V., Kumari, S., & Rathore, S. (2022). Acute Methanol Toxicity: Clinical Correlation with Autopsy Findings, a Descriptive Study. *The Journal of the Association of Physicians of India*, 70(6), 11-12.
4. Sonkar, S. K., Parmar, K. S., Ahmad, M. K., Sonkar, G. K., & Gautam, M. (2021). An observational study to estimate the level of essential trace elements and its implications in type 2 diabetes mellitus patients. *Journal of Family Medicine and Primary Care*, 10(7), 2594.
5. Kulkarni, A. V., Hanchanale, P., Prakash, V., Kalal, C., Sharma, M., Kumar, K., Bishnu, S., Kulkarni, A. V., Anand, L., Patwa, A. K., Kumbar, S., Kainth, S., Philips, C. A. and (2022). *Tinospora Cordifolia* (Giloy)–Induced Liver Injury During the COVID-19 Pandemic—Multicenter Nationwide Study From India. *Hepatol Commun*, 6: 1289-1300. <https://doi.org/10.1002/hep4.1904>

Book/book chapter contributions by the department:

- Essentials of Medicine for Dental Students, 4th Edition (2022), K K Sawlani
- Sawlani KK, Deepak Verma, Chaudhary SC. Hyperaldosteronism: An Update. In: Shyam Sunder editors. Medicine Update 2022. New Delhi: Evangel 2022, Vol 32, p. 802-810. (ISBN 978-93-90616-44-2)
- Chaudhary SC, Husain MA, Sunita Kumari Sawlani KK. Exercise in Diabetes: Pros and Cons. In: Upadhyay R editors. Progress in Medicine 2022. New Delhi: Evangel 2022, Vol 32, p. 356-360. (ISBN 978-93-90616-44-2)
- Usman K, SS Yadav, Rizvi A. Delirium in Elderly: Medicine Update 2022. New Delhi: Evangel 2022, Vol 32 (ISBN 978-93-90616-44-2)

Five best publications of the department-

1. Jafa, E., L. C., Nisha, Y. et al. Comparison of Efficacy of Aspirin Plus EOX vs. EOX Alone in Patients with Locally Advanced and Metastatic Gastric Cancer: a Randomized Clinical Trial. *J Gastrointest Canc* (2022). <https://doi.org/10.1007/s12029-022-00845-9>
2. Sahil Gupta, Esha Jafa, Akanksha Bansal. Issues in Adolescent and Young Adult Oncology in a Developing Country Like India. *Indian J Med Paediatr Oncol* 2020; 41(05): 724-726. DOI: 10.4103/ijmpo.ijmpo\_185\_20
3. Ravi Jaiswal, Esha Jafa. Epigenetics. *Indian J Med Paediatr Oncol* 2020; 41(03): 378-380 DOI: 10.4103/ijmpo.ijmpo\_24\_20
4. Pratik P. Patil, Esha Jafa, Mayank Aggarwal. Minimal Residual Disease in Acute Lymphoblastic Leukemia. *Indian J Med Paediatr Oncol* 2021; 42(01): 071-076 DOI: 10.1055/s-0041-1729730
5. Das, S., Kumar, V., Jafa, E., Basavarajegowda, A., & Kayal, S. (2018). Completed disappearance of ABO antigen-a cause of ABO discrepancy. *Transfusion*, 58(1), 56. doi:10.1111/trf.14231

## Department of Microbiology Head: Prof Amita Jain

In last one year new services added in department were:

Real Time PCR for *M. leprae*, serotyping for dengue, culture of influenza virus, identification of rare bacterial & fungal infections by MALDI-TOF MS

New equipments added to the Department include- Whole Genome Sequencing machine, biosafety cabinets, autoclaves and multichannel pipettes.

Establishment of Advanced Mycology Diagnostic & Research Centre funded by ICMR was done in 2022. NABL-ISO 15189:2012, latest successful inspection was done on 12-13 Nov 2022

Certification received from Central TB division, TB

EQA- National Reference Laboratory, JALMA, Agra,

External Quality Assurance System Program with IAMM, NIV Pune,

Bacteriology EQAS: CMC Vellore, PGI Chandigarh,

HIV EQA – NIB National Institute of Biologicals, Noida, CD4 EQA- National AIDS Research Institute, Pune,

Medical Mycology EQAS

STI EQA- Apex regional STD teaching and Research centre, V.M.M. college and Safdarjang Hospital, New Delhi.

ICMR-Inter Laboratory Quality Control (ILQC) program for COVID-19 RT-PCR labs

Prof. Amita Jain:

Nodal Officer for U.P. COVID testing,

Expert SEC anti COVID-19 drugs group, member subject Expert committee (antimicrobials) Subsequent New Drug Division (SND) Central Drugs Standard Control Organisation (HQ), DGHS, GOI,

Chairman, Institutional bio-safety committee of KGMU

Member National Tuberculosis Expert Group, Central TB Division, GOI, N Delhi.

Editorial member of

Indian Journal of Chest Diseases and Allied Sciences,

International Journal of Scientific and innovative research,

Journal of Clinical Epidemiology and Global Health,

Indian Journal of Pathology and Microbiology,

International Journal of Basic and Applied Medical Sciences,

Indian Journal of Laboratory Physician, Journal of Microbiology and Antimicrobials (JMA)

Lead Faculty Virology for Web Med Central.

Prof. Amita Jain received Appreciation Certificate from KGMU on Research Showcase for being amongst Top 2% Global Scientists list of Stanford University.

Dr. Sheetal Verma received appreciation on Digital India was launched on 1st of July, 2015 by Hon'ble Prime Minister, Shri Narendra Modi

KGMU won the e-Sanjeevani Flag Bearer Award in India and on 33rd Foundation Day of C-DAC Mohali,

KGMU received commendation certificate for with most consultations on the platform "e-Sanjeevani OPD Patient to Doctor" in India

"Health Hero Award" by Subohi Foundation

Dr. Suruchi Shukla received Certificate of Appreciation from KGMU, DGME Jaipuria Institute Management, UP. She has also been awarded with Women Achiever's Award in Health from Change Society. 12th World Congress of the World Society for Pediatric Infectious Diseases (WSPID 2022), - Certificate of oral paper presentation was also given to Dr. Suruchi Shukla

Best paper presentation in Virology section in XVII UP-UK Microcon 2021 at AIIMS, Rishikesh went to Dr Gerlin Verghese for the paper entitled, "To study the association of aplastic anemia with human parvovirus B19, EBV, CMV, Hepatitis virus (A,B,C, E) and Measles virus". She also received the Late Jhanvi Dutt best thesis award first runner up for her thesis entitled, Association of Aplastic Anaemia with viruses".

Dr Suruchi Shukla received Harvard Medical Certificate course on Precision medicine and genetic sequencing - from Harvard medical University, Boston, MA 02115, United States was also conducted.

Joint Supportive Supervision (JSS) Mission of NTEP Team visited the department from 26th September to 1st October, 2021: Dr. Raghuram Rao, Joint Director, CTD, MoHFW, Govt. of India- Team Lead, Dr. S.K. Kar, Sr.RD. RoHFW, Bhubaneswar, Dr. V.K. Chaudhary, Sr.RD. RoHFW, Lucknow, Dr. Swati Iyer, WHO National Consultant, Dr. Mrigen Deka, WHO National Consultant, Dr. Ameeta Joshi, J.J Hospital, Mumbai, Mr. Ramsharan Gupta, Technical Officer, Finance, CTD

Initial Site Assessment Visit to the Proposed Centres of Excellence (CoE) in DR-TB care: Dr Sandeep Chauhan, WHO National Consultant DR-TB, CTD; Dr. Mayank Mittal, National Consultant DR-TB Care and Institutional Strengthening, iDEFEAT TB Project; Dr. Srishti WHO NTEP Consultant, UP; Dr. Rakesh PS, Senior Technical Advisor, iDEFEAT TB Project; Mr. Tafsirul Mazhahir, State Program Coordinator, iDEFEAT TB Project; Mr. Pranjali Singla, State Program Coordinator, iDEFEAT TB Project

National Team for possibility of up gradation of Intermediate Reference Lab of Tuberculosis to National Reference Lab on 19.05.2022: Dr Nishant Kumar, Joint Director (Public Health), Ministry of Health & Family Welfare; Dr Anand Kumar, Central TB Division, Dr Reena, NTI, Bangalore; Dr Prabha Desiken, Bhopal Memorial Hospital & Research Centre, Bhopal; Dr Prabhu, NIRT, Chennai

Visit of LFA to verify Global Fund disbursement linked indicators (DLIs) for Year 1 (Apr, 2021- March, 2022) from 27-06-2022 to 30-06-2022: Mr. Keshav Mittal, Mr. Mohit Chandani

Visit by NABL assessors for revival of accreditation on 12th and 13th November 2022: Dr Divya Sahay and Dr. Sapna Batra

IDDS team from USAID's Infectious Disease Detection and Surveillance (IDDS) Project on 16th Nov 2022: Dr Jyoti Kayesth, IDDS TB portfolio Manager; Dr Pravin Singh, TB Diagnostic Specialist

EQA-OSE visit of NRL Team was on 16th Nov 2022: Dr. Hari Bhan Singh, In-Charge, National Reference Laboratory, JALMA, Agra

Shri Alok Kumar, Additional Chief Secretary, Medical Education Department, Government of U.P. in Sept 2021

Shri Gouri Shanker Priyadarshi, Secretary, Medical Education Department, Government of U.P. June 2021.

Details of Extramural Project grants received:

Virus research and Diagnostic laboratory for viral diseases by Department of Health Research GOI

Capacity Building and Strengthening of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India

Biosurveillance for Spillover of Henipaviruses and Filoviruses in Rural Communities in India" By Eco health Alliance, USA

WHO Surveillance Centre for Diphtheria and Pertussis

Study of neuronal autoantibody associated/ coexisting with acute viral encephalitis in children, its clinical manifestation and outcome,

Providing quality assurance for both serological and molecular scrub typhus testing by DHR/ ICMR National Viral Hepatitis Control Program by NHM,  
 Sentinel site for National Programme on Surveillance of Viral Hepatitis,  
 Strengthening laboratory surveillance for pneumococcal meningitis in India to understand the impact of pneumococcal conjugate vaccine (PCV) rollout” Source of Funding: Bill & Melinda Gates Foundation, Seattle, Washington, United States through Indian Council of Medical Research,  
 Advanced Mycology Diagnostic & Research Centre, KGMU  
 Intermediate Reference laboratory, RNTCP  
 Integrated Health Information Platform of Health and Family Welfare, Government of India  
 Antimicrobial Resistance Surveillance Project, Open-Label Study to Evaluate the Efficacy and Safety of SCY-078 in Patients With Candidiasis Caused by *Candida Auris*,  
 Human Milk Bank,  
 Determination of In-vitro susceptibility pattern of ceftriaxone/sulbactam/disodium-edetate against Gram-negative bacilli and comparison with Meropenem and Piperacillin/Tazobactam  
 E-Sanjeevani Telemedicine Project and Infection  
 More than 20 workshops, CME, Guest Lectures by Alumni and scientific webinars were organized by the department of Department of Microbiology. The Annual Newsletter and Infection Prevention & Control Manual are being released by the Department which provides antibiograms to clinical departments for better patient management.  
 Trainings of district TB officers and on-site visits of district microscopy centers, CBNAAT sites, TrueNaat sites; Campaigns on AMR Awareness & Infectious diseases; Debates/Extempore/ Rangoli/ Face Painting/ Poster Competitions for Students. Health Education Camp at Schools, Mass Signature Camps, Tree Plantation drive, Literacy awareness, etc were also organized. Workshops on Biosafety and Biosecurity in Public Health Laboratories/ Health care settings, Next Gen Sequencing, Infection Control & Prevention training for government/private hospitals COVID Educational Series organised in collaboration with ECHO Platform.

#### Five best publications of the department

1. Dr. Amita Jain- An algorithmic approach to identifying the aetiology of acute encephalitis syndrome in India: results of a 4-year enhanced surveillance study; *Lancet Glob Health* 2022; 10: e685–93, Vol 10 May 2022
2. Dr. Parul Jain- Singh U, Kumar V, Ratnam R, Jain A. Agreement between CBNAAT, liquid culture and line probe assay for detection of *Mycobacterium tuberculosis* and anti-tubercular drug resistance in extrapulmonary samples. *Indian J Med Microbiol.* 2022 Jun 13;S0255-0857(22)00094-9. doi: 10.1016/j.ijmmb.2022.05.013.
3. Jain A. Molecular characterisation of Hepatitis E virus isolates from north India. *Indian J Med Microbiol.* 2022 Jan-Mar;40(1):91-95.
4. Dr. Vimala Venkatesh: Health-care-associated bloodstream and urinary tract infections in a network of hospitals in India: a multicentre, hospital-based, prospective surveillance study. *The Lancet Global Health.* 2022 Sep 1;10(9):e1317-25.
5. Dr. Amita Jain-, Dr Suruchi Shukla: Seropositivity of Anti-SARS CoV2 IgG antibodies in health care workers of an Indian tertiary care hospital during COVID-19-*Indian Journal of Medical Microbiology*

#### Book/book chapter contributions:

- Dr Amita Jain “Acute Encephalitis Syndrome” published for “Clinical Key Essentials India” by Elsevier
- Dr Parul Jain “West Nile Encephalitis” published for “Clinical Key Essentials India” by Elsevier
- Prof. Gopa Banerjee: Evaluation of ELISA and Microscopy to diagnose Intestinal Parasitic Infections in Patients of Pediatrics Age Group: A comparative Approach. Chapter-12- ISBN:978-93-91882-96-9, e Book ISBN: 978-93-91882-42

## Department of Nephrology Head: Dr. Vishwajeet Singh

CAPD services started on 9th Mar 2022. CAPD workshop was organised on 9th Mar 2022

Publications by the department:

1. Vishwajeet Singh, Mukul Kumar Singh. Acute Kidney Injury in Covid-19: A brief review. *Indian Journal of Surgery*. 2021;83(2):398-402.
2. Vishwajeet Singh, Mukesh Kumar, Gyanendra Singh. Acquired labial synechia in a virgin reproductive-aged women: presentation and management. *International Urogynecol. Jr.* 2021.32(12):3317-3319. <https://doi.org/10.1007/s00192-021-04905-9>
3. Romi Singh Rana, Vishwajeet Singh, Anumesh Kumar Pathak, Vineeta Mittal, Kaleem Ahmad, a Abbas Ali Mehadi. Genetic Polymorphisms of P53 Arg72Pro and their association with HPV and risk of prostate cancer in north Indian Population. *International Journal of Recent Scientific Research*. 2021: Vol. 12, Issue, 04 (D), pp. 41627-41632
4. Sindhu S, Gautam M, Agrawal NK. Working scenario of doctors during early days of coronavirus disease 2019 in India: Lessons for future. *Natl J Physiol Pharm Pharmacol*. 2021, [cited October 01, 2021]; 11(9): 949-954. doi:10.5455/njppp.2021.11.01018202101042021
5. Sindhu, S, Gautam M, Agarwal NK. Questionnaire based study to explore the barriers of willingness and ability to work among Indian Doctors during initial phase of Covid -19 pandemic. *Journal of clinical and diagnostic research* (2021). 15(9):01-05.

## Department of Neurology Head: Prof. R.K. Garg

Video Oculography was installed on 12-05-2022. Neurocritical Care unit (4 bedded) was inaugurated on 09-05-2022. NMC inspection done on 02-09-2022 for permanent recognition of 2 more DM Neurology seats per academic year (Earlier 08 seats per academic year)

Dr. Rajesh Verma (Faculty) became Member of Editorial Board European Academy and was also awarded Fellow Indian Academy of Neurology/ International Scientist Award PISA 2022

Guest Lectures at the department by the following esteemed speakers:

Stroke- Dr. Arvind Sharma (Speaker), Asstt Professor, B.J. Medical College, Ahmadabad, Gujarat, India .

Epilepsy- Dr. Sujit Kumar (Speaker), Consultant Neurology, Apollo Hospital, Bengaluru, Karnataka, India.

Dr. Hardeep Singh Malhotra- Research Project entitled "Systematic assessment of neurodegenerative disorders by video-oculography- A prospective exploratory study: (Project ID: 1585) was sanctioned amount: Rs. 10.94 Lakh.

Infectious Optic Neuropathies (A Clinical approach to Neuro-ophthalmic disorders) By Imran Rizvi, Ravindra Kumar Garg. Edition-1st edition was published in 2022, Imprint -CRC Press, Pages-9, eBook ISBN-9780429020278.

Various Public awareness programs via 'KGMU Radio Goonj' were organized-

Dr. H S Malhotra- Epilepsy disorder, Dr. Praveen Kumar Sharma- Stroke awareness and Dr. Ravi Uniyal- Migraine .

Five best publications of the department

1. Wangda K, Kumar N, Garg RK, Malhotra HS, Rizvi I, Uniyal R, Pandey S, Malhotra KP, Verma R, Sharma PK, Parihar A, Jain A. Value of whole-body MRI for the assessment of response to albendazole in disseminated neurocysticercosis: a prospective follow-up study. *Trans R Soc Trop Med Hyg*. 2022 Oct 19:trac097. doi:10.1093/trstmh/trac097. Epub ahead of print. PMID: 36259415.
2. Pandey S, Malhotra HS, Garg RK, Sharma K, Rizvi I, Kumar S, Kumar N, Uniyal R, Sharma PK, Gupta P, Jain A. Determinants of stroke in patients with rhinocerebral mucormycosis seen during the second wave of COVID-19 pandemic: A prospective cohort study. *Journal of Infection and Public Health*. 2022 Oct 13.
3. Sharma K, Uniyal R, Garg RK, Verma R, Paliwal VK, Malhotra HS, Sharma PK, Kumar N, Pandey S, Rizvi I. Does Calcified Neurocysticercosis Affect Migraine-Characteristics and Treatment Responsiveness? A Case-Control Study. *Am J Trop Med Hyg*. 2022 Oct 10:tpmd220335. doi: 10.4269/ajtmh.22-0335. Epub ahead of print. PMID: 36216323.

4. Khan MI, Garg RK, Rizvi I, Malhotra HS, Kumar N, Jain A, Verma R, Sharma PK, Pandey S, Uniyal R, Jain P. Tuberculous myelitis: a prospective follow-up study. *Neurol Sci.* 2022 Sep;43(9):5615-5624. doi: 10.1007/s10072-022-06221-6. Epub 2022 Jun 23. PMID: 35739331; PMCID: PMC9225802.
5. Pandey A, Verma R, Jain A, Prakash S, Garg RK, Malhotra HS, Sharma PK, Kumar N, Uniyal R, Pandey S, Rizvi I. Correlation of serotype-specific strain in patients with dengue virus infection with neurological manifestations and its outcome. *Neurological Sciences.* 2022 Mar;43(3):1939-46.

## Department of Neurosurgery

### Head: Prof. BK Ojha

Medtronic Drill & Debrider system along with Medtronic Intraoperative Neuro Monitoring system were procured in this year. A Skill lab with two Microscope and one Neuroendoscope was installed. Mechanism for Teleconsultation of operated neurosurgery patients via Audio-video call was developed. Stereotactic procedures and epilepsy surgery has been added to the list of services provided.

Prof Chhitij Srivastava and Dr Ankur Bajaj are on Executive member board of Neurological Surgeons Society of India. Dr Manish Jaiswal and Dr Somil Jaiswal are the members of Editorial board of International Journal of Neurology and Neurosurgery.

AO Spine National Fellowship was conferred on Dr Somil Jaiswal. Prof Suresh Nair, Dr Ravi Mohan Rao, Dr Dinesh Nayak, Dr Sujit Kumar and Prof Deepak Jha visited the department for academic activity

Live Operative Epilepsy workshop, CME on Epilepsy Surgery and CME on pearls of wisdom for Neuroresidents were organized. Micro neuro-suturing and vascular anastomosis workshop for Neurosurgery residents training was organised.

Covid work: Training of neurosurgery residents for special care during neurosurgical procedures on COVID+ve patients. Executive functioning in early and middle age adult patients operated for epidural hematoma: A comparative study was organized by S Singh, A Tripathi, B Gupta, S Rani Sarraf, G Agarwal, B Ojha, PK Dalal

Five best publications:

1. COVID Surg Collaborative, GlobalSurg Collaborative. SARS-CoV-2 vaccination modelling for surgery to save lives: data from an international prospective cohort study. *Br J Surg.* 2021 Sep 27;108(9):1056-1063. doi: 10.1093/bjs/znab101. PMID: 33761533; PMCID: PMC7995808. (Impact factor:6.939)
2. COVIDSurg Collaborative; GlobalSurg Collaborative. Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. Casillo, S. M., Venkatesh, A., Muthiah, N., Agarwal, N., Scott, T., Romani, R., Fernández, L. L., Aristizabal, S., Ginalis, E. E., Ozair, A., Bhat, V., Faruqi, A., Bajaj, A., Sonkar, A. A., Ikeda, D. S., Chioocca, E. A., Lonser, R. R., Sutton, T. E., McGregor, J. M., Rea, G. L., Schunemann, V. A., Ngwenya, L. B., Marlin, E. S., Porensky, P. N., Shaikhouni, A., Huntoon, K., Dornbos, D., III, Shaw, A. B., Powers, C. J., Gluski, J. M., Culver, L. G., Goodwin, A. M., Ham, S., Marupudi, N. I., Bhat, D. I., Berry, K. M., Wu, E. M., & Wang, M. Y. *Anaesthesia.* 2021 Jun;76(6):748-758. doi: 10.1111/anae.15458. Epub 2021 Mar 9. PMID: 33690889. (Impact factor:6.955)
3. COVIDSurg Collaborative, GlobalSurg Collaborative. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. Clark D, Joannides A, Adeleye AO, Bajamal AH, Bashford T, Biluts H, Budohoski K, Ercole A, Fernández-Méndez R, Figaji A, Gupta DK, Härtl R, Iaccarino C, Khan T, Laeke T, Rubiano A, Shabani HK, Sichizya K, Tewari M, Tirsit A, Thu M, Tripathi M, Trivedi R, Devi BI, Servadei F, Menon D, Kofias A, Hutchinson P. *Anaesthesia* 2022 Jan;77(1):28-39. doi: 10.1111/anae.15563. (Impact factor:6.955)
4. Global Neurotrauma Outcomes Study collaborative. Casemix, management, and mortality of patients receiving emergency neurosurgery for traumatic brain injury in the Global Neurotrauma Outcomes Study: a prospective observational cohort study. *Lancet Neurol.* 2022 May;21(5):438-449. doi: 10.1016/S1474-4422(22)00037-0. Epub 2022 Mar 16. PMID: 35305318. (as collaborator)
5. COVID-19 cases and their outcome among patients with uncommon co-existing illnesses: A lesson from Northern India DH Reddy, V Atam, P Rai, F Khan, S Pandey, HS Malhotra, KK Gupta, ... Narendra Kumar, Bal Krishna Ojha, Dhananjay Kumar ... *Clinical Epidemiology and Global Health* 15, 101044



## Department of Obstetrics & Gynaecology Head: Prof S P Jaiswar

Inauguration of Antenatal OPD extension and canteen facility for patients, attendants and employees was done this year. Piloting of Training package for WHO Comprehensive Abortion Care (CAC) for 1st year PG students was organized. Undergraduate teaching classrooms were renovated. HPV DNA testing started in collaboration with Department of Pathology. 12 new multipara monitors with central monitoring facility, cryotherapy and theroablator machine were installed. Single puncture tubal ligation set and hysteroscopy instruments were indented.

Appreciation award in the field of Greenery and Horticulture was given. Department Faculty participated as experts in revision of RRTC training package from January to April 2022.

Prof. S. P. Jaiswar:

Assistant Editor of the Journal of Indian Academy of Obstetrics & Gynecology (JIAOG). RCOG

Member of the institutional ethics committee, human research, CDRI Lucknow (2022).

President of Society of Obstetrics & Gynecology Lucknow (2022)

SAFOG guest lecture on "Genital TB in India" in Srilanka

Prof. Anjoo Agarwal

Reviewer for RCOG abstracts

Reviewer for BMJ case reports

Reviewer for IJOS

Piloting of Pre-service, Comprehensive Abortion Care Training Tool for Postgraduate Medical students Funded by WHO

Member of expert/advisory committee of Health and Pharmaceutical by CST, Uttar Pradesh

Chairperson committee for study of still births from hypertensive disorders of pregnancy and renal disorders

Executive member ISOPARB 2022 -2024

Prof. Nisha Singh

Co editor -ISCCPE Newsletter 2018- 2021.

Reviewer of Journals - Scientific reports, Journal of Clinical Medicine, Indian Journal of Gynecologic Oncology, South Asian Journal of Cancer, OBM Genetics of Lidsen Publishing Inc

Prof. Rekha Sachan

Editor of Logs newsletter

Dr. Monica Agrawal

Editor ISOPARB news letter Lucknow chapter 2022 -2023

Reviewer- Obstetrics and Gynaecology Science

National/international awards/ memberships /fellowships received by faculty, staff and students:

Prof. S. P. Jaiswar:

Appreciation Award for seminar on "Breast & Cervix Cancer Awareness" on the occasion of International Womens Day Program Awadh ki sham betiyan organized by Cancer Aid Society & Aldaa Foundation, 8th March, 2022.

Appreciation Award - "Manav Ratna" samman on the occasion of khichdi for helping poor patients to provide free of cost medicine by HariomSewa Kendra, 14th January, 2022.

Member of Indian Association of Urogynaecology & Reconstructive pelvic surgery society (URPSSI) of India

Prof. Anjoo Agarwal

Appreciation Award - "Manav Ratna" samman on the occasion of khichdi for helping poor patients to provide free of cost medicine by HariomSewa Kendra, 14th January, 2022.

Appreciation award for contribution in teaching of health care workers of Uttar Pradesh, Bihar and Jharkhand under the FOGSI Project of Safe motherhood USA & IPE committee 2022

Member AGOI October 2022

Prof. Nisha Singh:

Mrs Chandrawati Devi Jagannath Misra prize for paper presentation in Oncology in 64th AICOG at Indore on 6th

April 2022.

Asia's Top 50 academician award from EET CRS on 5th December 2021

Lok Jagrati Alankaran appreciation award from Mayor of Lucknow Smt Sanyukta Bhatia and Vindya Vasini Trust on 17th November 2021 for Cervical cancer awareness talk at Navyug Kanya Mahavidyalaya.

Certificate of honour from NHM MP govt for online TOT on common cancers (2020-21) in June 2021.

International Gynecology Cancer Society IGCS, March 2022

Kolkata Gyne Oncology Translational research Group life membership Jan 2022

Prof. Rekha Sachan

Multiverse Honors, Best Researcher Award by record Owner 22 received on 15/3/22

Appreciation award as a best trainer in Biomedical waste management & Infection prevention, by UED, KGMU, 2/12/2021

Indian society of hospital waste management LM-467/20 Lucknow

Prof. Sujata Deo

Awadh Ke Stambh' Amar Ujala Media group 2021

Prof. Amita Pandey

Empanelled as an External Assessor for National Quality Assurance Standards (NQAS) after qualification of EAT exam conducted by National Health Systems Resource Centre in Nov 2021.

Best Debater award at KGMU Faculty Debate on "Departmental Headship should be Rotatory in Medical Colleges" - for the motion on 1st July 2021 at KGMU, Lucknow.

MNAMS in September 2021

AGOI

Member of Expert group for Training module on WHO CAC guidelines

Prof. Seema Mehrotra

Dr Meena Mukherjee Oration in UPGOG Meerut 11-13th March 2022. Topic: Catching Preeclampsia Early .

Awarded Fellowship of Indian College of Obstetrics and Gynecology (2022)

Awarded First prize in essay competition Topic -" Innovative Strategies for Still birth Prevention" in Midterm ISOPARB CME organized by Gorakhpur Chapter of ISOPARB on 14/15 Nov 2022

Prof. P.L. Sankhwar

Nari Shakti Samman dated 15.03.2022 by Lucknow Rubaroo foundation

Prof Renu Singh

Life member of still birth society of India

Dr. Manju Lata Verma

Winner of regional YGOG competition AGOICON 2021 in October 2021 for Paper presentation "Randomized controlled study for comparison of efficacy and acceptability of thermocoagulation with cryotherapy for Visual inspection with acetic acid (VIA) positive premalignant cervical lesions

National award as first prize for Yuva gynaecological oncologist in AGOICON 2021 in November 2021

Randomized controlled study for comparison of efficacy and acceptability of thermocoagulation with cryotherapy for Visual inspection with acetic acid (VIA) positive premalignant cervical lesions

Membership - MNAMS in 2021

Dr. Mona Asnani

Second prize in paper presentation in ISOPARB 22 at Varansi on 8th May 2022

Member AGOI in 2022

Dr. Shuchi Agarwal

Life Member Still birth Society of India, April 2021

Dr. Namrata Kumar

European fellowship of Obstetrics and Gynecology , European Board of Obstetrics and Gynecology, November 2022

Royal College of Obstetrics and Gynecology in RCOG membership ceremony, April 2022 London UK.  
Fellowship -American College of Obstetrics and Gynaecology, Sep 2022

Dr. Vandana Solanki

“Bronze medal” for paper presentation in IMSCON Varanasi 2 Oct 2021.  
Certificate of appreciation as COVID WARRIOR by LOGS

Dr. Monica Agrawal

Dr C S Dawn Award for Best Paper presentation in one of the Official Subjects of the Scientific Programme at 64rd AICOG Brilliant Convention Centre Indore , 4th -8th April 2022  
2nd prize in Senior Category for Paper presentation (Silver medal and certificate) in Midterm ISOPARB National Conference, Gorakhpur 13-14th November 2021  
Member AGOI-2021

Dr. Shalini Singh

Indian Society of Perinatology and Reproductive Biology  
Association of Gynaecologic Oncologist of India

Dr. Shilpa Singh

MNAMS in September, 2021  
Indian Society of Perinatology and Reproductive Biology  
Association of Gynaecologic Oncologists of India

Prof Uma Singh was superannuated in June 2022; Prof. S. P. Jaiswar took charge as Head of the Department on 25th June, 2022 after superannuation of Prof. Uma Singh . Six faculty members were promoted from associate professor to additional professor: Dr Shuchi Agrawal, Dr Monica Agrawal, Dr Namrata Kumar, Dr Manju Lata Verma, Dr Mona Asnani, Dr Vandana Solanki.

A skill workshop on labour room practices for postgraduates was organized on 26th 2022 with the International speaker Dr. Aparna Shreedhar from University of California, Los Angeles, USA. EMC PPH team visited the department on 25th May, 2022; JHPIEGO team visited in April, 2022

Extramural project grants received by the department include :

Prof. S P Jaiswar

Respectful Maternity Care Initiative- ICMR Task Force Study, In collaboration with Center for Catalyzing Change/ White Ribbon Alliance India (WRAI)

Pregnancy Outcome in Indian Women with Endometriosis and Biomarker Correlation: A Cohort Study: Ongoing Clinical phenotypes and genetic regulation of endometriosis in Indian women.

National Registry on COVID-19 infection among pregnant women and their neonates

Risk for disease severity of COVID-19 infection among pregnant women and their neonates during and beyond neonatal period: A prospective cohort study

Maternal Near Miss Review (MNM-R) and Corrective measures at selected Tertiary hospitals in India

Assisted vaginal delivery (AVD) and caesarean section at full dilatation at tertiary level hospitals: incidence, impact and current management.”(An ICMR Task Force Study)

A feasibility study on introduction of Maathru Samman Pant to increase client satisfaction in labour room

Prof. Anjoo Agarwal

Incidence of Late Maternal Death & Non-communicable Disease following Potential Life-threatening Event During Pregnancy and Child Birth: A Cohort Study. Multicentric study Nodal centre JIPMER, Pondicherry Funded by ICMR Role Site PI Total KGMU budget Rs 6961782

Prof. Sujata Deo

Correlation of Telomere length polymorphism with ovarian cancer: A Meta-analysis: Intramural Seed grant for Faculty – KGMU : As Co PI

Environmental Exposure to Toxins and their Role in inducing Hypothyroidism and Infertility in Women: A Case Control Study: (Department of Health and Research (DHR- ICMR) Approved in 2021 December)

To Explore the Relationship Between Periodontitis and Preterm Delivery with FcY receptor polymorphism as a genetic susceptibility factor - ongoing

Prof. Amita Pandey

The effect of Dietary modification and physical activity on blood glucose level of Pregnant women with

Gestational Diabetes Mellitus – An interventional study, Year 2021- continuing

Funded by: ICMRRole: Co-guide in MD-PhD project

Deciphering FLT3-ITD elicited signalling pathways in AML cell growth and block in differentiation: Hunt for therapeutic targets & inhibitors for mutant FLT3 proteins.

Year 2020- continuing Funded by: Tata Memorial Trust, Mumbai

Prof. P.L. Sankhwar

Role of TAK 1 in regulation of TGF $\beta$ - induced smad signaling in human endometrotic cells. PI- Dr PL Sankhwar, KGMU, Lko, Dranila Dewedi, sr scientist E2, Endocrinology Deptt, CDRI, Lucknow.

Dr Namrata Kumar

Third year of extramural project (3 years) Prediction of preeclampsia with combination of Pregnancy associated plasma protein A, Placental growth factor and Serum soluble fms-like tyrosinekinase-1 in Indian population: role of newer markers from extramural grant through UPCST.

Gynecology and Obstetrics learning forum for postgraduates of whole of Uttar Pradesh - (GOLF)- Online monthly class were organized, Webinar on Breast feeding under the aegis of ISOPARB Lucknow chapter was conducted on 6th Aug 2021. Masterclass series on living with PCOS: Adolescent PCOS under the aegis of IFS-UP Chapter on 12th Aug 2021. Webinar was conducted on All about luteal phase support under the aegis of IFS-UP Chapter on 18th Aug 2021. Masterclass series on living with PCOS: Role of hormone therapy and aesthetic problems in Adolescent PCOS under the aegis of IFS-UP Chapter on 9th Sept 2021; Role of metformin and inositol in PCOS under the aegis of IFS-UP, Haryana & Rajasthan Chapter on 30th Sept 2021; Ovulation induction in PCOS: Dilemmas consensus under the aegis of IFS-UP, Haryana & Rajasthan Chapter on 28th Nov 2021.

Webinar on “Mental Health in Adolescent” on 22nd October 2021 , under aegis of UP Chapter of Adolescent Health was conducted. Webinar on ART and Surrogacy Bill- Insights conducted on 23rd Jan 2022. Webinar on Obesity and Reproductive Health was also organized.

Gynecology and Obstetrics learning forum for postgraduates and whole of UP – online monthly class organized every month (GOLF). State level training of Biomedical Waste management & infection control sponsored by NHM 2021. Tumor board meeting on Fertility preservation in Gynecologic oncology was organized on 16th April 2022. Training for Respectful Abortion care training program 2022-FOGSI DHEERA & WHO, FIGO PPH Bundle Training for Faculty & JRs, Comprehensive Abortion Care training for UG students- through WHO, Comprehensive Abortion Care training for PG students- through WHO, Comprehensive Abortion Care training for Faculty/PG students- through SIFPSA, LAP Ligation training for Faculty/PG students- through SIFPSA were organized.

Orientation program on New Contraceptives for UG Students- through SIFPSA was organized. Skill workshop for postgraduates in Labour room practices initiative by Safe Motherhood Committee FOGSI in collaboration with University of California Los Angeles supported by King George Medical University, Lucknow-2022.

RRTC (Regional Resource training centre) and PPH mentoring and monitoring visit CHC and district hospital for hand holding and training – November 2021 and August 2022.

Department organized public awareness program and OPD education program on -

HIV day – 1 December, 2022

World anaemia day 26th Nov 2022

World diabetes day 14th Nov 2022

Breast feeding week– 1st to 7th August 2022

IVF day - 25th July, 2022

World population day -11th July, 2022

Women's day – 8th March 2022

HPV awareness Day on 4th march 2022.

World Cancer Day -4th February, 2022

Multiple health education programs on KGMU Goonj

Public Forum on Contraception - Facebook live page of Navbharat Times on 10th July 2021.

Cervical cancer and menstrual health awareness program at Nari Shiksha Niketan on 30th Sept 2021.

Cervical and breast awareness and screening camp at PHC Sarojini Nagar on 23rd September 2021

PoshanMaah webinar on Nutritional requirement in women of different age groups organized by Deptt of Obstetrics & gynaecology KGMU in collaboration with National Commission for women on 24th Sept 2021.

Awareness program- on mental health in October 2021  
 Awareness program- Non Communicable Disease Nutrition in November 2021  
 Cervical cancer awareness program on 17th November 2021 at Navyug kanya mahavidyalaya in association with Vindyavasini Trust  
 Physical workshop on PPH for Frontline obstetric Healthcare providers at AIIMS Raibareilly on 27th Nov 2021  
 Cervical and Breast cancer screening and awareness camp at Sarojini Nagar PHC with HPV DNA test on 16th Dec 2021.  
 Assessment of HCWs of Muzaffarpur medical college (SKMCH) on the standards provided for the management of PPH for project Jeevandhara Phase 1 on 28th Oct 2021  
 Postpartum depression in Online Ma ki Paathshaala organized by Gayatri Shaktipeeth, UP on 15th Jan 2022.  
 Awareness program on Gender discrimination and equality in Date: 24 January 2022  
 Health awareness camp on Cervical, Ovarian and Breast cancer organized by Income Tax Department at Lucknow on 5th April 2022.  
 Awareness program on antenatal care on doordarshan on 19th Apr 2022  
 World Environment day-5th June 2022 -Nukkad Natak –Save one Earth  
 Lecture on Menstrual health & Hygiene, cervical cancer screening & prevention delivered at Mahatma Gandhi girls high school, Lal Bagh, Lucknow, dated 6/7/22.  
 Awareness program on World PCOS -25 July spoken on Big FM 92.7 RADIO.  
 Cervical cancer screening camp at Urban PHC, Thakurganj Lucknow in collaboration with Injia NHM and Jhpiego on 21st July 2022

#### Five best publications of the department:

1. Jaiswar SP, Priyadarshini A, Singh A, Ahmad MK, Deo S, Sankhwar P. Association Between PON1 (L55M and Q192R) Genetic Polymorphism and Recurrent Pregnancy Loss in North Indian Women Exposed to Pesticides. *Rev Bras Ginecol Obstet.* 2021 Nov;43(11):805-810. English.
2. Yadav J, Das V, Kumar N, Agrawal S, Pandey A, Agrawal A. Vaginal probiotics as an adjunct to antibiotic prophylaxis in the management of preterm premature rupture of the membranes. *J Obstet Gynaecol.* 2022 Jul;42(5):1037-1042.
3. Verma ML, Singh U, Kumari R, Sachan R, Sankhwar PL, Solanki V. Randomized controlled study for comparison of efficacy and safety between thermocoagulation and cryotherapy in visual inspection with acetic acid positive cervical lesions. *J Can Res Ther* 2022;18:603-11
4. Gupta A, Jain P, Venkatesh V, Agarwal A, Reddy DH, Jain A. Prevalence of Dengue, Chikungunya, and Zika Viruses in Febrile Pregnant Women: An Observational Study at a Tertiary Care Hospital in North India. *Am J Trop Med Hyg.* 2021 Oct 4;106(1):168-173.
5. Sachan R, Shukla S, Shyam R, Patel ML, Verma ML. Role of renal replacement therapy in pregnancy related acute kidney injury and its outcome. *J Family Med Prim Care.* 2022 May;11(5):2155-2161.

#### Book/book chapter contributions:

- Dr Uma Singh, Dr Sabuhi Qureshi, Dr Manju Lata Verma Pg No 11-17
- Gestational Trophoblastic disease 2021 Editors: Dr Bhagyalaxmi Nayak, Dr Uma Singh Publisher: Springer Nature Singapore Chapter: Hydatidiform Mole with coexisting live fetus: Management Guidelines
- FOGSI FOCUS 2021: Cytology a screening tool
- LOGS news letter 2021 September: Overview of Gynaecological cancer.
- Fallopian tube neoplasm FOGSI, Post graduate Update 2021 Author Dr Uma Singh, Dr Manju Lata Verma
- Anjoo Agarwal, Renu Singh. Antiphospholipid antibodies in pregnancy and its management. In FOGSI's Update In Obstetrics & Gynecology; Evangel Publishing. Eds Nandita Palshetkar, Arun Nagrath, Shikha Seth, Jaydeep Tank; 2021: pp34-42.
- Singh Nisha, Srivastava Abhilasha. Cervical Intraepithelial Neoplasia in FOGSI's update in Obstetrics and Gynecology Vol 2 Series Editors Narendra Malhotra, Jaydeep malhotra, Shikha Seth. Evangel Publications. April 2022
- Singh Nisha, Gupta Radha. National family welfare program. Chapter 22 pg Section 3 in A handbook on Social and community obstetrics and Gynecology.
- Editors Swati Agrawal and Shalini Warman. Evangel publications Sept 2022
- Amita Pandey. DNA repair-deficiency Disorders in API Textbook of Medicine (12th edition) edited by Sandhya A Kamath, published by Jaypee brothers Medical Publishers, 2022, e-213.
- Anusha Preethi, Amita Pandey, Armin Ahmed. Obstetric Rapid Response Team in Critical care Updates

2021 ISBN;978-93-90595-87-7.

- Vandana Solanki. Thrombocytopenia in pregnancy, Medical disorders during pregnancy Garg R 13-27, 2022

## Department of Ophthalmology Head: Prof Apjit Kaur

New equipments added in the department include-OCT angiography,HVF analyser,Photoslit lamp,Synaptophore,Retinal LASER,Vitreotomy Machine

Prof A Kaur was appointed as Scientific Chairperson of Oculoplastic Society of South Asia (OPSSA); Evaluator and contributor for NBE

Prof Sandeep Saxena was invited for Lecture DOS/NZOS/ACOIN; served as Scientific Referee for AIOS, Several International Journals

Prof. Apjit Kaur-

Dr. Ranjan Kumar Akhaury Oration, 6th annual conference of Patna Ophthalmological Society on 11th July; Vice president- Oculoplastic Society of South Asia

Prof Sandeep Saxena was awarded PhD, FAMS, FACS, FAcadTMI International Heroes Award AIOS

Bihar Ophthalmic Society and Delhi Ophthalmologic Society Oration Awards

Dr. Siddharth Agarwal was awarded Prof Dhavendra Kumar Young Investigator Gold Medal for the year 2020 at Research Showcase 2021. Dr. Ruchi (JR2) wrote UPSOS 2021 Free paper;

Dr. Ashutosh (JR3): ACOIN 2021 free paper presentation 2nd prize and UPSOS 2021 quiz competition 3rd prize

Dr. Reena (JR3): UPSOS 2021 quiz competition 3rd prize and UPSOS 2021 Free paper 7 Joint winner

Prof Sandeep Saxena received his PhD for his research on diabetic retinopathy

Lecture series organized in the department are as follows:

KGMU Eye Lecture series, March 2021; Dr. Tanuj Dada for KGMU Eye Lecture series, April 2021; Prof. Rohit Saxena for KGMU Eye Lecture series, May 2021; Padmashri Prof. Mahipal S Sachdev, KGMU Eye Lecture series, June 2021

Er. P D Saraswat, International Day of Yoga, June 2021

Dr. Namrata Sharma, KGMU Eye Lecture series, July 2021

Prof. Debraj Shome, KGMU Eye Lecture series, August 2021

Dr. Samar Basak, KGMU Eye Lecture series, September 2021

Prof Masahito Ohji and Prof. Timothy Lai, KGMU Eye Lecture series celebrating 25 years of Pars plana Vitrectomy, September 2021

Dr. Muna Bhende, KGMU Eye Lecture series, October 2021

-Oculoplasty webinar "Concepts in Thyroid Ophthalmopathy", 12th November 2021 (to be held) by Dr Milind Naik

12th M.K. Mehra Oration by Dr. Girishwar Mishra, September 2021

Various programs organized by the department:

- Glaucoma awareness week, March 2021
- Webinar on "Retinopathy of Prematurity", 10th April 2021
- Sunetra- Midterm SPOSI, 20th March 2021
- International Yoga Day, 21st June 2021
- Eye Donation Fortnight, August 2021
- World Sight Day, 14th October 2021
- Oculoplasty webinar "Concepts in Thyroid Ophthalmopathy", 12th November 2021 (to be held) by Dr Milind Naik

12th M.K. Mehra Oration by Dr. Girishwar Mishra, September 2021

BMW training was organized for residents and employees. Regular weekly eye camps to different locations. Awareness programs organized on World Glaucoma week, Retinoblastoma week, Eye donation fortnight, World Diabetes Day and World Sight Day

Training was given to the nursing staff related to COVID

Five best publications of the department:

- 1) Binocular summation in comitant exotropia: Change after surgery

January 2022 Indian Journal of Ophthalmology 70(1):210-213 Follow journal

DOI:10.4103/ijo.IJO\_1709\_21 Shaurya Verma Pallavi Mishra Siddharth Agrawal Siddharth Agrawal Show all 5 authors Vinita Singh Vinita Singh

- 2) Reliability of Smart Phone Photographs for School Eye Screening: A Pilot Study October 2022 Children 9(10):1519 Follow journal DOI: 10.3390/children9101519 License CC BY Rajat Mohan Srivastava Suchi Verma Shubham Gupta Show Siddharth Agarwal
- 3) Evaluation of Ocular Surface (Conjunctiva and Cornea) Characteristics in Patients with Thyroid Associated Ophthalmopathy A Maharana, N Mishra, S Bhalla, SK Saxena, A Kaur  
Journal of Ophthalmology and Vision Research 4(1), 2, 2022
- 4) Elevated advanced glycation end products are associated with subfoveal ellipsoid zone disruption in diabetic macular edema N Mishra, M Singh, RK Singh, S Saxena Indian Journal of Ophthalmology 69(11), 3199
- 5) External Limiting Membrane, Photoreceptor Ellipsoid Zone Disruption, and Retinal Pigment Epithelium Alterations in Diabetic Retinopathy N Mishra, G Kaur, S Saxena Annals of the National Academy of Medical Sciences (India) 2022

Cutting-Edge Vitreoretinal Surgery. Springer, 2021

"Pediatric Cataract- for every ophthalmologist". The book has been published in 2021 by Springer- Nature. ISBN

## Department of Orthopaedic Surgery Head: Prof Vineet Sharma

The department went through a turmoil during COVID period, from department being in Shatabdi phase II building, OT and wards spread all over the campus. On behalf of the department, I thank the faculty and the staff for their cooperation during the difficult times.

After being shifted back to RALC campus, we started working with full strength and enthusiasm by providing 360° care to each and every patient under one roof. Now we have 5 storied dedicated separate building and very active orthopaedic trauma unit at KGMU trauma centre. A state of art Musculoskeletal Institute is in the making, which in future will be house to all Orthopaedic super-specialities providing world class care to patients and excellent education to Under, postgraduate and super-speciality students.

At present the department is training 16 post graduate MS students every year. Our every post-graduate student is ATLS, BCBR certified & BMW trained.

PDCC courses are running in two different super specialties.

Arthroplasty (2)

Spinal Surgery (2)

Phd scholars – 5

Total patient attendance

OPD 48353

IPD 3558

MAJOR 2256

MINOR 824

Honorable Vice Chancellor provided the Department with latest equipments and instruments worth approximately 1.26 crores in the last financial year which further improved the facilities in the department, which included:

A 4k arthroscopy set

Pelvic acetabular set

Spine instrument

2 LED OT lights

2 Motorized Orthopaedic tables

2 Autoclaves

Achievement of faculty members

Prof. Vineet Sharma was Appointed Pro-Vice Chancellor KGMU and Member of the governing body ASMC,

Pratapgarh Medical College. Prof. R. N. Srivastava was appointed Dean Student Welfare, Chairman International Student Cell, Chairman Faculty Housing & Hostel Allotment Committee and Chairman, Implant committee and Incharge – Spine Unit and PDCC spine. Prof Ashish Kumar was elected President AAUP,UPOA and awarded Ashok Sengupta visiting Professorship of IOA. Dr Narendra Singh Kushwahwas Awarded APAS (Asia Pacific Arthroplasty Association) International travelling fellowship and IOA Senior fellowship-2022 in Arthroscopy and Arthroplasty. Dr Kumar Shantanu Organised KGMU Arthroscopic Cadaveric workshop, 2021 and was appointed Joint secretary for IASCON 2023 to held in KGMU, Lucknow. Dr. Shah Waliullah was Awarded UPOA Ghaziabad International Fellowship 2022 Dr. Shailendra Singh completed Travelling Fellowship at Nuffield Orthopaedic centre of Oxford University UK. Dr Deepak Kumar was Appointed as Associate Editor of Journal of Bone and Joint Diseases and Joint Secretary of UP Orthopaedic association. Dr Dharmendra Kumar was awarded 5 projects in 2021-22 and Organized KGMU Pelvi-Acetabular CME & Cadaveric Workshop 2022. Dr Devarshi Rastogi completed AO Trauma Fellowship 2022 Singapore. Dr Arpit Singh was awarded IOA Yuva mentor fellowship awarded for 2021 and won Gold Medal for best paper in UOACON, 2022. Dr Sanjiv Kumar was awarded IOA senior fellowship 2022.P 2021-2022. Dr Mayank Mahendra won Presidential Gold medal for best paper at UPORTHOCON 2022 and Ortho Paediatric/ SICOT Foundation Scholarship 2021, Fellowship in Joint replacement at St. George Teaching Hospital, Budapest, Hungary 2022. Dr Ravindra Mohan completed Observership in Spine and Pelvi-acetabulum.

Faculty members attended various Conferences during last academic year.

National Conferences- 23 & International Conferences- 5

Research Activities During the Last Year

Papers Published: National- 26 & International- 09

Book chapters: 7

Research Projects- 12 (Total 2.2cr)

Faculty was involved in various Govt. of India activities:

ICMR initiatives for preparing guidelines/SOP in the management of Orthopaedic problems. Faculty is involved in MCI/DNB inspections and DNB examinations. Faculty has been actively involved in teaching and training and invited as guest faculty at various national and international academic forums. Over 200 patients were successfully treated using Government's Ayushman Bharat Pradhan Mantri Jan Arogya Yojna scheme.

Department organized various conferences Arthroscopy conclave 2021, UP-PGICL 2022, Cadaveric Pelvi-Acetabular workshop 2022

OUTREACH ACTIVITIES FOR PUBLIC AWARENESS PROGRAMME were organized in the department like : BONE AND JOINT DAY – BCLS TRAINING : KGMU OUTREACH PROGRAMME

ROAD SAFETY AWARENESS

## **Department of Otorhinolaryngology and Head Neck Surgery**

### **Head: Prof. Anupam Mishra**

World hearing day celebration on 3rd March by training of Asha worker and staff nurse of district hospital for early detection of Hearing Impairment.

International Faculty Prof. Prepageran Narayanan from University of Malaya visited in the Department and delivered R.N. Memorial Oration on 9th July 2022. Prof. Rajesh kumar Head Deptt of ENT IMS BHU and Prof Manu Malhotra Deptt of AIIMS Dehradun Uttarakhand visited as national Faculty 11th June 2022

New services added include-Micro laryngeal Surgery instruments; Micro ear surgery Instruments; Endovision Systems; Portable Video Endoscope; VNG and Functional Endoscopic Sinus Surgery.

Enrichments program for faculty

Revised basic course of MET done by Dr. H.P. Singh, Dr. Sunil kumar, Dr. Manish Chandra, Dr. A.B. Singh on 29 to 31 August 2022

Endoscopic FESS work shop in collaboration with Deptt of Anatomy, KGMU, Lucknow on 30th May 2022.

Social outreach activities camp for hearing assessment at Sarojini nagar



## Department of Pathology Head: Prof US Singh

New equipment, new services & new research facility added in the department include standardization of Cytology reporting according to current National and International guidelines standardization of the Bethesda assay for inhibitor quantification in Hemophilia patients, 10 color multiparametric flow cytometer, Successful running of RT-PCR procured for molecular lab (NSCLC) with finalized subsidized rate, two STAT LABS, one at QMH Obstetrics & Gynaecology (Biochemistry, Haematology, Coagulatory/ Viral markers on 24th July, 2021) the other at Lari Cardiology (including Trop T by Roche diagnostics on 18th October, 2021), CK MB, CK Total, Apo B, PROBNP, TROP T and Apo A 100 were new tests introduced this year and number of MD seats increased to 20 from 14, each year.

Renewed accreditation of Chemical pathology Lab, under the scope of Clinical Chemistry/ Biochemistry, was done in December 2021

Dr Chanchal Rana (10th March 2022) was invited by Pathology Outlines to join as an author.

Eminent visitors (National/International) to the department were Dr Aruna Vanikar, Dr Vinita Agarwal, Dr Kalra, Dr Amitabh Srivastav and Dr Mamta Gupta on the occasion of 109th Foundation day celebration; Guest lecture by Dr Sumita Gokhale, Director of Cytopathology, Beth Israel Lahey Health- Winchester hospital, MA-USA on EUS, EBUS, CT/US-Guided FNA/biopsies: Role of pathologist in the multidisciplinary approach to effective patient care, on 10th November 2021 (as a part of International Pathology Day celebration); Guest lecture by Dr Sujatha Kamalaksha, Consultant rheumatologist, Whangarei hospital, New Zealand on "Clinical relevance of tests in rheumatology" on 29th January 2022.

World Ovarian cancer day celebration was done on 7th May, 2022.

Book/book chapter contributions in Agarwal P. Pathology of Adrenal lesions. In Endocrine surgery: South Asian perspective, Mishra A editors. Taylor and Francis, 2022.

## Department of Pediatrics Head: Prof. Shally Awasthi

New equipment in the department include: Bubble CPAP (Model No-Baby pap-M-1150-S) Quantity: 5; Syringe infusion pump (Farsenius Kabi) - 06 units; Multifunction Motorized Bed Quantity: 15; Fowler Bed Quantity: 60; Mobile digital Radiography Machine 1 unit; ABG Machine 1 unit; BiPAP Machine 15 unit; Suction apparatus 15 unit; Ventilator 15 unit; Multipara monitor (5 Para)\* 15 unit; Oxygen Cylinders D Type with flowmeter and Mask 30 units; Crash Cart 1 unit; Cardiac Table 75 units; Bed Side Lockers 75 units; Nebulizer 5 units; Closed Trolley (BMW 30kg) 1 unit; Pulse Oxymeter 20 units.

Department is Center of Excellence for Endocrinology in Type-1 Diabetes.

Prof. Shally Awasthi selected as technical advisory group member for WHO health security interface. Dr. Sarika Gupta, National advisory board member for Journal "Research and review in Pediatrics". Dr. Sarika Gupta, executive member for IAPUP respiratory Chapter 2021-22.

National academy of Medical sciences (NAMS) membership awarded to Dr. Sarika Gupta and Dr. Shalini Tripathi; IAP critical care fellowship awarded to Dr. Neeraj Anand; and Dr. Sarika Gupta awarded second prize in oral presentation "TB & other chest infection" category at National Conference NAPCON 2021 Varanasi.

Eminent visitors (National/International) to the department for any academic/research activity

-PATH Mike Ruffo

Fabian - Swiss TPH

Total 11 new projects, total amount 34,40,77,003/- was received as Extramural Project grants.

Five best publications of the department are:

1. Awasthi S, Rastogi T, Pandey AK, Roy C, Mishra K, Verma N, Kumar CB, Jain PK, Yadav R, Chauhan A, Mohindra N. Epidemiology of Hypoxic Community-Acquired Pneumonia in Children Under 5 Years of Age: An Observational Study in Northern India. *Frontiers in pediatrics*. 2022;1664.
2. Rastogi T, Awasthi S, Khare R, Prasad M, Sami G, Verma VK. Perceptions and practices of COVID-19 protective measures among the general public of North India. *Clinical epidemiology and global health*. 2022 Jan 1;13:100927.

3. Singh S, Awasthi S. Effect of In-Situation Versus Manchester Triage System–Based Initial Case Management on Hospital-Based Mortality: A Before and After Study. *Indian Journal of Pediatrics*. 2022 Mar 11;1-5
4. Chauhan A, Kumar M, Tripathi S, Singh SN, Singh VK. Breastfeeding rates at discharge for very low birthweight neonates and their determinants: An observational study from a tertiary care neonatal intensive care unit in India. *J Paediatr Child Health*. 2022 Jul 2. doi: 10.1111/jpc.16074. Epub ahead of print. PMID: 35778999.
5. Kumar S, Awasth S, Verma N, Gupta S. Comparison of small lumen versus large lumen inter costal catheter drainage in empyema thoracis on degree of comfort and re-expansion of lungs: An open label, quasi randomized study. *Clinical Epidemiology and Global Health*, 2022.

## Department of Pediatric Orthopaedics

### Head: Dr. Vikas Verma

New equipment added in the department include C- arm, OT Table 2 units, Paediatric Fracture Fixation Set and Tourniquet

Fellows selected by IOA & WBOA from department will be sent to the department for a short term observership.

Dr. Vikas Verma, Associate Professor & Officiating Head, Department of Paediatric Orthopaedics is the Section editor of the *Journal of Bone & Joint Disease*, An official publication of Uttar Pradesh Orthopaedic Association. Dr. Shakeel Ahmad Qidwai, Additional Professor in the Department of Paediatric Orthopaedics is member of the Editorial board of *International Journal of Orthopaedic Sciences*.

Dr. Shakeel Ahmad Qidwai, Additional Professor, Department of Paediatric Orthopaedics, received State Award by the Ministry of Health Education for exemplary services during COVID 19 Pandemic. Dr. Suresh Chand, Assistant Professor, Department of Paediatric Orthopaedics, completed IOA Travelling Fellowship.

Dr. Shakeel Ahmad Qidwai joined the department as an Additional Professor this year.

The Department conducted a CME cum Workshop POSUPCON 1st Annual Conference

Bio Medical Waste Training Conducted by Dr. □ Syed Faisal Afaque on 08/09/2022 & 10/09/2022. All Residents, Nurses, Ward Boys as well as class III class IV employees of the department had participated in it.

Extension/Social outreach activities at Departmental level included Clubfoot Day Celebration – 03/07/2022; Bone and Joint Day Celebration – 1/8/2022; Cerebral Palsy Day Celebration – 03/10/2022; and Paediatric Bone and Joint Day – 19/10/2022. Community Radio Station KGMU - Radio Goonj following talks were conducted: Health Talk – by Dr. Vikas Verma on 17/02/2022; Health Talk – by Dr. Syed Faisal Afaque (Assistant Professor) on 02/06/2022; Health Talk – by Dr. Shakeel Ahmad Qidwai (Additional Professor) on 07/09/2022 and Dr. Shakeel Ahmad Qidwai (Additional Professor) spoke on World Osteoporosis Day on FM Radio 93.5 on the 20th of October 2022.

Five best publications of the department are:

1. Kushwaha NS, Verma V, Singh A, Sharma Y, - Singh A. A Study of Factors Associated With Carrying Angle of the Human Elbow in Pediatric Age Group. *Cureus*. 2022 May 30;14(5):e25478. doi: 10.7759/cureus.25478. PMID: 35800835; PMCID: PMC9246431.
2. Bharat A, Verma V, Afaque SF, Raikwar A, - Chand S, Singh A. Effect of COVID19 pandemic on time to care, use of ambulance, admission characteristics, demography, injury characteristics, management and outcome of Paediatric Orthopaedic trauma patients admitted to the trauma centre. *Indian J Comm Health*. 2022;34(3):374-380. <https://doi.org/10.47203/IJCH.2022.v34i03.010>
3. Changes in the Foot After Two Years of - Deformity Correction in Neglected Clubfeet Treated With Modified Ponseti Technique. July 2021, *Cureus*, DOI:10.7759/cureus.16482. Akhil Agnihotri, Suresh Chand, Anil Mehtani, Alok Sud, Siddhartha Sinha, Arvind Kumar.
4. The Incidence, Diagnosis, and Treatment - practices of Developmental Dysplasia of Hip (DDH) in India: A Scoping Systematic Review. *Indian Journal of Orthopaedics*, September 2021, DOI: 10.1007/s43465-021-00526-y. Suresh Chand, Alaric Aroojis, Ritesh Arvind Pandey, Ashok N. Johari.
5. Chand S, Khan D, Afaque SF, Verma V, Huda N, - Singh A. Impact of COVID-19 pandemic on clubfoot program at tertiary care institute. *Journal of Clinical Orthopaedics and Trauma*. 2022 Jan 1;24:101711.

Book Chapter Contribution by the department are:

- Dr. Vikas Verma has edited the following chapters for 9th edition of BD Chaurasia's Human Anatomy, Volume 1-4 edited by Dr. Krishna Garg: Volume 1 Chapter 10: Joints of Upper Limb Appendix 1: Nerves and Clinical Terms Volume 2 Chapter 12: Joints of Lower Limb Appendix 1: Nerves and Clinical Terms Appendix 2: Clinical Anatomy of Pelvis.
- Dr. Shakeel Ahmad Qidwai, Additional Professor - Asthma in Adults: Evaluation, Prevalence and its clinical management. *Frontiers in clinical drug research – Anti Allergy Agents*, 2022 Volume – 5, Page 44 – 84.

## **Department of Paediatric Surgery**

### **Name of Head: Prof Jiledar Rawat**

Laparoscopic trolley with monitor and camera was installed in the department. Emergency operation theatre was inaugurated. New seminar room opened in the basement of the department. Multipara monitor for emergency OT was installed. Departmental Library, museum and Head of Department rooms were inaugurated. Pediatric post operative ward is under renovation.

Dr S N Kureel is reviewer of *Journal of association of Pediatric Surgeon*, *International journal of Surgery*. Dr Archika Gupta: Reviewer of *Journal of pediatric urology*, *Journal of Pediatric and Adolescent Surgery*, *Journal of clinical nephrology*, *Journal of Nephrology and Urology*, *International Journal of Brazilians Urology*. Dr. Anand Pandey became Editorial Board member for the journal *World Journal of Clinical Pediatrics* (Baishideng Publishing Group), board member of *Pediatric Surgery for Thieme Medical and Scientific Publishers*

DR J D Rawat was invited for Paper setting (MCQ) in National board of Examination for Pediatric Surgery DNB. He also received award for Excellence in Covid Care (IMA Head Quarter New Delhi) 2021; award of covid savior (American College of Physician Indian Chapter) 2021; Health ICON & Corona warrior's award certificate of excellence (Govt of UP); Corona Warrior Award (Punjab National Bank) 2021. He received certificate of appreciation for providing exemplary services during COVID-19 pandemic (Indian Association of Pediatric Surgeons) 2021 and award for Excellence in Covid Care (IMA UP state) 2021

Dr S N Kureel received T. Dorairajan Gold Medal (2021) Mumbai, felicitated by union minister of health on 22 Aug 2022, Facilitated by SRM Institute of Medical Sciences and department of Urology SMS Jaipur Sep 22, Nominated as EC ABVMU June 2022. Dr Archika received Outstanding Scientist Award in IRAC 2022 held in Chennai 14-15 th May 2022; Outstanding Researcher Award in VIWA 2022 held in Chennai 5 th March 2022; 2nd Prize in 'Best Paper Award category' for the research paper presented at ASICON

2021; 17-19 Dec 2021, 3 rd Prize in 'Best Paper Award category' for the research paper presented at ASICON 2021, 17-19 Dec 2021, Fellowship of Society of Pediatric Urology 2021

Dr. Anand Pandey received best paper award in IAPSCON 2021, Chancellor appreciation certificate for research work in November 2021, Member of British Association of Pediatric Surgeons, Member of European Pediatric Surgeons Association. Dr Nitin Pant Best Paper Presentation Award in Video session presentation for "Buccal mucosal graft defatting point of technique" in IAPSCON 2021, Appreciation award from the honorable chancellor for the above research work.

Dr Gurmeet Singh received certificate of appreciation for providing exemplary services during COVID-19 pandemic 2021 (Indian Association of Pediatric Surgeons), Fellowship of Association of Surgeon of India. Dr Piyush Kumar received Fellowship of Association of Surgeon of India. Dr. U. C. Chakraborty award 2021 was awarded to Dr Nirpex Tyagi for his research paper in IAPSCON 2021.

Dr Anand Pandey and Dr Nitin Pant have filed a patent for an improved forceps. Prof SN Kureel was superannuated on 1 st November 2021. Prof SN Kureel was reappointed 2nd November 2021. Dr Nirpex Tyagi joined the department as a assistant professor (contractual basis)

Visiting Prof/ Fellows, adjunct faculty, emeritus professors:

Dr Bindev Kumar, Professor, Head of Department at All India Institute of Medical Sciences, Patna.

Dr Ram Samujh: Professor, Head of Department at Postgraduate Institute of Medical Education and Research, Chandigarh.

Dr Vinit Kumar Thakur (NMC Inspector): Professor and Head of department at Indira Gandhi Institute of Medical Sciences, Patna.

Dr. Nirpex Tyagi received intramural grant "Analysis of efficacy of elastography in comparison to dynamic renal

nuclear scan scintigraphy in diagnosis of unilateral pelvi-ureteric junction obstruction”

Lucknow Pediatric Surgeon club Conference ( organized three meetings); Refresher classes were organized for staff and nurses of department; Lectures were taken for faculty and resident by specialist, nuclear medicine, Radiodiagnosis, Neonatology, Dieticians and urology.

Awareness programs were organized for accidents in pediatric population; Pediatric Surgery week program was conducted 14-20 November 2021; Appreciation of doctors and staff for covid-19 work by “ All India Payam-E-Insaniyat Forum”; Participation of Dr J D Rawat and Faculty members on different public awareness programs on FM Radio, Doordarshan and KGMU Goonj 89.6 FM Radio station.

Pediatric surgery subspecialty clinics like Pediatric Urology, Pediatric Oncosurgery and Pediatric Neurosurgery were started. COVID specific initiatives at department level: Dr J D Rawat: Successfully worked as a RALC Covid ward superintendent. Active involvement of the faculty and residents of the pediatric surgery in Covid postings in Covid hospital.

Five best publications:

1. Gupta SK, Pandey A, Kumar P, Srivastava S, Singh S, Rawat J. Evaluation and management of rectovaginal fistula in anorectal malformation: an observational study. *Pediatr Surg Int.* 2021 Nov;37(11):1601-1606
2. Shandilya G, Pandey A, Pant N, Singh G, Kumar A, Rawat J. Evaluation and management of anorectal malformation in male children: an observational study. *Pediatr Surg Int.* 2022 Feb;38(2):337-343
3. Tyagi N, Kureel S, Gupta A, Singh G, Rai R, Pant N. Study the possibility of creating mucosal valve mechanism at ureteric orifice without obstructing the urine outflow but preventing the urine backflow into the ureters. *J Indian Assoc Pediatr Surg.* 2022;27:462-465.
4. Gupta A, Kureel SN, Pandey A, Singh G, Gupta SK, Rai RK. Angiotensin Converting Enzyme (ACE) inhibitors- Can it be a Potential Treatment of Infantile Hemangioma. *J Indian Assoc Pediatr Surg* 2021;26:234-239
5. Shandilya G, Kureel SN, Gupta A, Singh GP, Pandey A, Rawat JD, Wakhlu A. Brackaurethroplasty with buccal mucosa graft: Ergonomic management of penile skindartos in the first stage to facilitate second-stage neourethral coverage. *J Indian Assoc Pediatr Surg* 2021;26:11-15.

Book contributions by the department:

- Dr J D Rawat, Dr Anand Pandey, Dr Sudhir Singh, Dr Piyush Kumar: Handbook of Pediatric Surgery. First edition published by Arun publishers (ISSN 9798777544315).
- Dr S N Kureel, Dr Archika Gupta et al, Exstrophy Epispadias: Anatomical and surgical consideration. Text book of Plastic, Reconstructive and Aesthetic Surgery ( Volume IV) Thieme Medical Publisher, New Delhi.
- Dr Anand Pandey: Chapter on UTI in children in Hand Book of Pediatric Surgery 2 nd Edition by CK Sinha and Mark Devenport, published by Springer Inc (ISSN 978-3-030-84467-7)

## **Department of Pharmacology & Therapeutics** **Head of the Department: Prof. Amod Kumar Sachan**

The Department of Pharmacology & Therapeutics approved as ADR Monitoring Centre (AMC) under aegis of Pharmacovigilance Program of India (PvPI), Indian Pharmacopoeia Commission (IPC), Ministry of Health & Family Welfare, Government of India on 15-Dec-2021. Details of Faculty with active role in PvPI: (1) AMCCoordinator: Prof. Amod Kumar Sachan, (2) AMC Deputy Coordinator: Prof. Anuradha Nischal, Other Faculty: Dr. Narendra Kumar. The National Pharmacovigilance week was celebrated under the theme “ Encouraging ADR Reporting by Patients” by Department of Pharmacology & Therapeutics, King George's Medical University under the aegis of National Pharmacovigilance Programme of India- Indian Pharmacopoeia Commission, Ministry of Health and Family Welfare, Govt. of India. The program took place on the 17th of Sept, 2022 on World Patient Safety Day consisting of the following events: -(1) Walkathon "Encouraging ADR Reporting by Patients": By the faculty, students, and employees of the University (2) Pharmacovigilance Awareness Lecture by Prof. Amod Kumar Sachan, (3) Rangoli Competition by Nursing & Paramedical Students, (4) Catchy Slogan Competition by MBBS, BDS, Nursing & Paramedical Students (5) Poster Competition: MD, MBBS, & BDS Students. Prof. Anuradha Nischal and her team organized this program under the Chairmanship of Head of the Department, Prof. AK Sachan.

Drug prescription auditing started in KGMU and Prof. DK Katiyar, was appointed as Member Secretary, Drug

prescription audit Committee of KGMU.

Prof. R.K. Dixit was awarded popular teacher award (Medical), KGMU. Prof. Rajendra Nath appointed as editorial board member of the journal Current Research in Diabetes and Metabolism, California, USA and also appointed as Chairperson Human Ethics Committee CSIR, CIMAP, Lucknow. He also published a book chapter in the book Current Practice in Medical Sciences.

Prof. Anuradha Nischal was appointed as Incharge, Hospital Revolving Fund (HRF), KGMU. Dr. Rishi Pal, Additional Professor was appointed as Editorial Board Member of International Immunopharmacology journal, (Impact Factor 5.7), Elsevier Publisher, Amsterdam, The Netherland. He was also appointed as Assistant Controller of Examination, KGMU. He presented his research work in Annual Conference of International Society of Antioxidants at Paris, France. He was also awarded membership of Royal Society of Chemistry (MRSC) and British Pharmacology Society (BPS) during the year. Dr. Sarvesh Singh, Additional Professor attached as Nodal officer at DGME office, Lucknow for implementation of e-Hospital in Governmental Medical Colleges of UP. Dr. Rahul Kumar, Additional Professor published a book chapter in pharmacology book Thieme Publication.

Eminent scientists and academicians of high repute were invited in the department for guest lecture like Prof. Y K Gupta, Ex. HOD Pharmacology, AIIMS, New Delhi; Prof. Bikash Medhi, PGI, Chandigarh; Dr. Surendra Nimesh, Department of Biotechnology, Central University of Rajasthan (CURAJ); Dr. Yogesh Verma, Scientist-E, Gene Therapy & Stem cell Research, INMAS, New Delhi; Dr. Saurabh Kansal, Prof. & Head, Pharmacology, VIMS, Muradabad, Dr. Syed Ziaur Rahman, Professor, Deptt. Of Pharmacology, JLNMC Hospital, AMU, Aligarh. A webinar was organized and session delivered by Dr. Vashita Dixit, Senior Director, Publicity and Medical Review Solutions, INDEGENE. Dr. Rishi Pal and Dr. Sarvesh Singh promoted to the post of Professor and Dr. Suyog Sindhu to Associate Professor.

Best Five Publications:

1. Tiwari PC, Chaudhary MJ, Pal R, Kartik S, Nath R. Pharmacological, biochemical and immunological studies on protective effect of mangiferin in 6-hydroxydopamine (6-OHDA)-Induced Parkinson's disease in rats. *Ann Neurosci*. 2021 Jul; 28 (3-4): 137-149. doi: 10.1177/09727531211051976. PMID: 35341236  
PMCID: [PMC8948331](https://pubmed.ncbi.nlm.nih.gov/35341236/)
2. Tiwari PC, Chaudhary MJ, Pal R, Nath R. Effects of mangiferin and its combination with nNOS inhibitor 7-nitro-indazole (7-NI) in 6-hydroxydopamine (6-OHDA) lesioned Parkinson's disease rats. *Fundam Clin Pharmacol*. 2022 Jul 19. doi: 10.1111/fcp.12817. PMID: 35853641
3. Akhtar J, Singh S, Verma AK, Pal R, Nath R. A prospective observational study to evaluate Glutathione S-transferase gene polymorphism and its association with Antitubercular drugs induced liver injury in tertiary hospital. *Indian J Tuberc*. 2022 Jul; 69(3): 341-346. doi: 10.1016/j.ijtb.2021.06.006. PMID: 35760484
4. Hussain S, Yadav SS, Dwivedi P, Banerjee M, Usman K, Nath R, Khattri S. SNPs of FOXO1 and their interactions contributes to the enhanced risk of diabetes among elderly individuals. *DNA Cell Biol*. 2022 Apr; 41(4): 381-389. doi: 10.1089/dna.2021.1139. PMID: 35325578
5. Hussain S, Dwivedi KL, Yadav SS, Usman K, Nath R, Khattri S. No association between a genetic variant of FOXO3 and risk of type 2 diabetes mellitus in the elderly population of north India. *Indian J Clin Biochem*. 2021 Jul; 36(3): 330-336. doi: 10.1007/s12291-020-00917-2. PMID: 34220008

## **Department of Physical Medicine and Rehabilitation** **Head of the Department: Dr. Anil Kumar Gupta**

Dr. AK Gupta served as subject expert in the standing selection committee of AIIMS (New Delhi, Jodhpur, Jammu, Raipur, UPPSC, UKPSC, MD examiner AIIMS Jodhpur and Rishikesh, PMCH Patna and DNB Examiner. Member of Board of studies in Shakuntala Misra Rehabilitation University Lucknow. Member of Subject expert Group of NMC Postgraduate Program for the specialty.

Dr. Dileep Kumar served as subject expert in the recruitment of workshop supervisor, Shakuntala Misra Rehabilitation University Lucknow, and as a jury member at the award session of IAPMRCON 2022 and chaired the session at IAPMRCON 2022.

Dr Dileep Kumar, Dr Sudhir R Mishra, Dr Ganesh Yadav, Dr Sandeep Gupta, Dr Sanjai Singh- Completed the online course, "Basic Course in Biomedical Research" offered by ICMR- National Institute of Epidemiology (ICMR-NIE) Chennai conducted by NPTEL through Swayam App in December 2021.

Dr Sudhir R Mishra- Completed certificate in essentials of palliative care (CEPC) course conducted by IAPC and participated a resource person / speaker at Composite Regional Centre (CRC)-Lucknow (PDUNIPPD, DEPwD, Ministry of Social Justice & Empowerment, Govt. of India and BBAU, Lucknow and Participated as Faculty at

1st KGMU Post Graduate Instruction Course (PGICL), Dr Sudhir was jury member at the award session of IAPMRCON 2022 and chaired the session at IAPMRCON 2022

Award of Best poster presentation by Junior Resident (Dr. Deepak K) at IAPMR National Conference at New Delhi. Life Membership of Awadh Association of PMR (AAPMR) by Faculty Dr. Sandeep Kumar Gupta.

Two new faculty members joined as Assistant Professor: Dr. Sandeep Kumar Gupta, Dr. Sanjai Singh.

Dr. S. L. Yadav, Professor, Department of PMR, AIIMS, New Delhi, and Dr. Suman Badhal, Professor, Department of PMR VMMC and Safdarjung Hospital New Delhi visited the department for academic activity.

Three social outreach activities with NGOs (Lions Club and Kabir Shanti Mission (Lucknow) for distribution of prosthesis, wheelchairs and ambulatory aids to patients were organized.

Five best publications of the department:

1. Jena D, Sahoo J, Barman A, Gupta A, Patel V. Musculoskeletal and Neurological Pain Symptoms Among Hospitalized COVID-19 Patients. *Am J Phys Med Rehabil.* 2022 May 1;101(5):411-416.
2. Singh N, Kumar D, Yadav G, Srivastava MK, Mishra SR, Gupta AK, et al. Comparison of quality of life and bone mass density among postmenopausal women: A cross-sectional study. *J Mid-life Health* 2021;11:224-30.
3. Sudhir Ramkishore Mishra, Dileep Kumar, Ganesh Yadav, AK Gupta, Satyasheel Asthana. Prosthetic Satisfaction and Body Image among Lower Limb Amputee: A Cross-sectional Study. *J Clin Diagn Res.* 2021 Sep, Vol-15(9): KC10-KC13.
4. Jyoti Pandey, Anil Kumar Gupta, Dileep Kumar, Abhishek Agarwal, Sudhir Mishra, Ganesh Yadav. Immediate Effect of Valgus Knee Brace and Lateral Wedge Insole on Gait Parameters in Medial Compartment Osteoarthritis of Knee: A Cross-sectional Study. *J Clin Diagn Res.* 2021 Oct, Vol-15(10): KC05-KC08.
5. Mohit Kishore Srivastava, Anil Kumar Gupta, Sudhir R. Mishra, Dileep Kumar, Bal Krishna Ojha, Ganesh Yadav. Role of Epidural Steroid Injection in Lumbar Spinal Stenosis—A Randomized Controlled Trial. *Indian J Neurosurg* 2021;1:54-60

## **Department of Physiology** **Head: Prof. Narsingh Verma**

Prof. Narsingh Verma became Member in Editorial Board of JCM; Prof. Shraddha Singh became Vice President ASSOPI, UP; International Journal of Physiology, 2013- till date; Journal of Family Medicine - Austin Publication Group, 2014 - till date; International Journal of Wellness, 2014 - till date.

Prof. Archana Ghildiyal became External expert in Board of studies (Physiology), Ram Manohar Lohiya Institute of Medical Sciences, Lucknow (RMLIMS)

Prof. Narsingh Verma received the following grants: Study of light pollution ALAN (Artificial Light At Night) as a zeitgeber in ECOS (Epigenetics), Circadian gene expression, Oxidative Stress and Sleep Quality) in patients of Metabolic Syndrome [Role-Guide, Period - 2021 to till date, funding agency - ICMR, Status - Ongoing, Total cost - 1,014,400/-]

A Comprehensive Study of the effect of Time Restricted Meal intake on Sleep, Hormones, Anthropometric Parameters including Epigenetics and genetics (SHAPE) in patients of Type 2 Diabetes Mellitus - [Role- PI, Period - 2021 to till date, funding agency - ICMR Adhoc, Status - Ongoing, Total cost - 18,24,400/-]

Circadian Variability and reproducibility of blood pressure indices and cardiovascular autonomic regulation during different phases of reproductive cycles in premenopausal and postmenopausal women and their circadian correlation with gonadal hormones, melatonin and Sleep wake cycle - [Role- Mentor, Period - 2021 to till date, funding agency - DHR (Women Scientist), Status - Ongoing, Total cost - 26,50,000/-]

Effect of time restricted meal intake on biochemical and hormonal changes in both early and late night eaters having Type 2 Diabetes - [Role- Co-Guide, Period - 2021 to till date, funding agency - CST, Status - Ongoing, Total cost - 7.80 Lakh]

Prof. Dileep Kumar Verma received grant for: Effect of time restricted meal intake on biochemical and hormonal changes in both early and late night eaters having Type 2 Diabetes - [Role- Co-Guide, Period - 2021 to till date, funding agency - CST, Status - Ongoing, Total cost - 7.80 Lakh]

Basantotsav was organized by batch 2021 (MBBS + BDS)

Five best publications of the department –

1. Verma N, Awasthi V, Rastogi S, Verma A, Arora S, Arora N. Assessment Of The Efficacy And Safety Of Snc 30 (Curcuma Longa) Capsules In The Treatment Of Type 2 Diabetes: An Open Label, Prospective, Comparative, Randomized Study. World Journal of Pharmaceutical Research. October 2021. 10(12):1210-1218. DOI: 10.20959/wjpr202112-21647
2. Rastogi S, Verma N. Real Time Analysis of Physical Activity and Quality of Sleep (PAS Study) in early and late night eater hypertensive patients with Type 2 Diabetes, using wearable fitness technology. Journal of Physiology and Pharmacology. Sept 2021. Vol. 72 Supplement 1 DOI: 10.26402/jpp
3. Nishtha Singh, Pratishtha Singh, Vineeta Singh, Akhilesh Krishna, Shraddha Singh. Comprehensive study on clinical responses and Socioeconomic Characteristics of Covid-19 patients during outbreak. Journal of family medicine and primary care. Nov 2021, 10(11), 4002-4008
4. Bindiya Verma, Nishtha Singh, Avinash, Shraddha Singh, Narsingh Verma. Cytokine storm and multiorgan failure. Physiology Insight. Oct – Dec 2021, 1(2)21-25
5. Bindiya Verma, Sachin Verma, Narsingh Verma, Shraddha Singh. Total and Ionic serum calcium levels before and after phototherapy in full term neonates, International journal of current medical and pharmaceutical research. Apr 2022, 8(4), 173-176.

### Department of Plastic Surgery Head: Prof. Brijesh Mishra

The General Surgical Instruments were added on 25-08-2021, Hyperbaric Oxygen Therapy (Teckno) was added on 07-09-2021, LED O.T. Light was added on 11-09-2021, Harmonic Scalpel (Common Equipment) on 12-02-2022, Diathermy Machine was added on 02-03-2022, Radio Frequency Machine was added on 02-04-2022, Liposuction Machine (Common Equipment) was added on 16-06-2022. The Department got recognition/certification at State/National/International and is ISO Certified. Faculty with active role in National/International institutes were: Dr. Vijay Kumar - Editor in Chief, Indian Journal of Burns, Dr. Vijay Kumar – Associate Editor for National Journal of Maxillofacial Surgery, Dr. Vijay Kumar – Associate Editor Journal of SWCR, Dr. Vijay Kumar – Secretary- APSI, Dr. Vijay Kumar – Secretary SWCR, Dr. Vijay Kumar – Treasurer Society of Plastic Surgeons of Indian, Dr. Divya Narain Upadhyay. Editor in Chief- Journal of Cleft Lip Palate and Craniofacial Anomalies, Dr. Divya Narain- Deputy Editor- Indian Journal of Burns.

National/International awards/memberships/fellowships received by faculty, staff and students were: Dr. Vijay Kumar - Seva Gaurav Samman, Dr. Vijay Kumar – President Appreciation – IMA Lucknow, Dr. Vijay Kumar – Triveni Devi Ram Sahai memorial best researcher award- IMA Lucknow, Dr. Vijay Kumar- Jipmer Sushruta oration – Plastic Surgery JIPMER Pondicherry, Fellow of National Academy of Medical Science, Dr. Vijay Kumar – Certificate of Honour – IMA Lucknow, Dr. Vijay Kumar – Chikitsha Ratan Award – IMA Lucknow, Dr. Harsha Vardhan- Travellin Fellowship (National) IPRAS, Dr. Ravi Kumar – Visiting Scholarship – Microsurgery under prof. Fu Chen Wei, at Chang Gung Memorial Hospital, Linkou, Taiwan, Dr. Ravi Kumar – Fellowships (International) – ASPI, Dr. Sandhya Pandey – KEM Dr. Tamlowekan micro surgery Travellin Fellowship, Dr. Neelam Chauhan – Thesis Award -2021. Name of Faculty members superannuated/obituary were: Dr. Arun Kumar Singh – Superannuated and Prof. Ramesh Chandra – Obituary (Retired)

Name of new faculty member joined on Contractual basis were: Dr. Neelam Chauhan. Assistant professor, Dr. Kodali Surendra Rao. Assistant professor, Dr. Kiran Silwal. Assistant professor.

Eminent visitors (National/International) to the department on 45th Foundation Day Celebration were: Late Prof. R.N. Sharma Oration; Late prof. S.K. Bhatnagar Oration on 23rd December-2021, Prof. Ravi Mahajan for Late Professor R.N. Sharma Oration, Prof. P.S. Bhandari for Late Prof. S.K. Bhatnagar Oration

Details of Extramural Project grants received were multi Centric Community-based study of prevalence, KAP (Knowledge attitude & practice) for prevention First Aid of Burns, Quality of life and out of Pocket Expenditure of burn injury and evaluation of IEC interventions. Rs. 12,87,791.00.

Any value added/enrichment program organized for students/Faculty/Employees : All Faculty, Residents & Staff trained for Bio Medical Waste Management. Extension/Social outreach activities were done at Departmental level. Departmental Outreach Activities were SMILE TRAIN

#### Five best publications of the department

- i. Vijay Kumar, Navneet Sharma, Brijesh Mishra, DN Upadhyay, Arun K Singh To study the effect of activated platelet-rich plasma in cases of androgenetic alopecia ,Turkish journal of Plastic surgery 29(5):28, January 2021 28-32
- ii. Harsha Vardhan Arun Kumar Singh Vijay Kumar Delayed Correction of Congenital Torticollis with Modified Bipolar Release Clinical Case Reports Open Access 4(1) March 2021 DOI: 10.46527/2582-5038.183.
- iii. Shilpi Karmakar, Brijesh Mishra, Arun Kumar Singh, Vijay Kumar, Divya Narayan Upadhyay, Saurabh Karmakar A study of the pattern of sensory return in various flaps in different body areas Journal of Plastic, Reconstructive & Aesthetic Surgery xxx (xxxx) xxx <https://doi.org/10.1016/j.bjps.2021.09.044>
- iv. Ravi K Singh<sup>1\*</sup>, Vijay Kumar<sup>1</sup>, Brijesh Mishra<sup>1</sup>, Sameer M Halagiri<sup>2</sup> and Anshu Singh<sup>1</sup> "Kite String (Manja) Injury: Rare Presentations of Common Entity Leading to Disability. Acta Scientific Surgical Research 1.1 (2022): 10-12.
- v. Harsha Vardhan, Vishal Lodhi, Brijesh Mishra, Divya Narayan Upadhyay, Vijay Kumar, Sandesh Singh Treatment delayed is treatment denied: A review of late burn care in patients presenting with post burn contractures to a tertiary hospital Indian Journal of Burns / Volume 29 / Issue 1 / January-December 2021 57-62

#### Book/book chapter contributions

Number of Book Chapters – 15

#### Scientific workshop/CME/Conferences/Webinar/organized by department

- i. 45th Foundation Day Celebration; Late Prof. R.N. Sharma Oration; Late prof. S.K. Bhatnagar Oration on 23rd December-2021.
- ii. Prof. Ravi Mahajan for Late Professor R.N. Sharma Oration.+
- iii. Prof. P.S. Bhandari for Late Prof. S.K. Bhatnagar Oration
- iv. UPAPSICON 2022, Cadaveric flap dissection workshop

### **Department of Psychiatry** **Head: Prof. Vivek Agarwal**

A new Transcranial Direct-Current Stimulation (tDCS) device has been installed and a Repetitive Transcranial Magnetic Stimulation (rTMS) device is expected to be installed in the Department by December 2022. Psychometric assessment tools are purchased as mentioned below: Rorschach Ink Blot Test - 01, Binet-Kamat Intelligence Test - 02, Stroop Test - 01, Thematic Apperception Test - 02, Trail Making Test - 01, Seguin Form Board Test - 02, AIIMS Neuropsychological Battery - Surya Gupta (Adult) With Manual (Hindi) - 01, AIIMS Neuropsychological Battery - Surya Gupta (Child) With Manual (Hindi) - 01, Modified Wisconsin Card Sorting Test By David A. Grant - 01

Department has got recognition/certification at State/ National/ International. Mentoring institute in Tele Mental Health Assistance and Networking Across States (Tele-MANAS) Project, NIMHANS. under MOHFW

#### Details of Faculty with active role in National/ International/ institutes/ Industries/

Editorial boards/ any other (specify) were: Prof. Vivek Agrawal, MD, Nodal officer Tele Mental Health Assistance and Networking Across States Tele-MANAS Project, NIMHANS, Guest Associate Editor, Adolescent and Young Adult Psychiatry, Frontiers, Associate Editor, Frontiers in Public Health, Children and Health, Associate Editor, Frontiers in Pediatrics, Children and Health, Review Editor, Frontiers in Psychiatry: Personality Disorders, Review Editor, Frontiers in Child and Adolescent Psychiatry, Interventions for Adolescent Mental Health Member, Technical Advisory Committee, State Innovations in Family Planning Services Project Agency (SIFPSA), Ombudsman, Journal of Indian Association for Child and Adolescent Mental Health

, Prof. Anil Nischal, MD, Dean, Paramedical Sciences, K.G.M.U, Vice President Indian Psychiatric Society Central Zone (Uttar Pradesh, Uttarakhand, Madhya

Pradesh and Chhattisgarh), Member, Subject Expert Committee (Neurology and Psychiatry) under D.C.G.I, MOHFW, Prof. Bandna Gupta, MD, Honorary Associate Editor, Indian Journal of Behavioural Sciences (IJS), Sub-inspector, National Commission of Women, Coordinator, Tele-manas project NIMHANS

, Prof. Adarsh Tripathi, MD, Honorary Editor, Indian Journal of Behavioral Sciences (IJS), Honorary Deputy Editor, Indian Journal of Psychiatry (IJP), National Editorial Advisory Board Member, Indian Journal of Health

Sexuality and Culture, Dr. Amit Arya, MD, Honorary Deputy Editor, Indian Journal of Behavioral Sciences



(IJBS), Nodal Officer of OST Center, KGMU funded by Uttar Pradesh State AIDS Control Society (UPSACS) under Ministry of Social Justice and Empowerment (MOSJE), In charge, Drug Treatment Center (DTC) funded by AIIMS, New Delhi under Ministry of Health and Family Welfare (MOHFW), Assistant Provost Nehru PG Hostel, KGMU, Dr. Pawan Kumar Gupta, MD, Honorary Associate Editors, Indian Journal of Behavioural Sciences (IJBS), Dr. Sujit Kumar Kar, MD, Honorary Associate Editor, Indian Journal of Behavioural Sciences (IJBS), Honorary Deputy Editor, Indian Journal of Clinical Psychiatry (IJCP), Editor in Chief, Medical Research Bulletin, K.G.M.U., Editorial Board Member, Global Psychiatry Archives, Member, National Editorial Advisory Board Medical, Journal of Dr. D.Y. Patil Vidyapeeth, Editorial Board Member, Journal of Psychiatry, Editor in Chief, Indian Journal of Health Sexuality and Culture, Dr. Amit Singh, DM, Assistant Editor, KGMU Research Bulletin, Assistant Coordinator, Tele-MANAS Project, NIMHANS., Dr. Shweta Singh, Vice-President UP-IACP, Committee Member of 'Vishakha Committee', KGMU, Committee Member of Disaster Management by IACP during COVID-19 pandemic, Editorial Board IJCP and IJHP, Invited Reviewer in Indian Journal of Psychological Medicine (IJPM), Journal of Indian Association of Child and Adolescent Mental Health (JICAMH), Membership- registered National associations NAOP, IACP, IAHP, IACAMH, IPS, Dr. Pooja Mahour, PhD, Member, Technical Advisory Committee, State Innovations in Family Planning Services Project Agency (SIFPSA), Member, Executive Committee, North Zone, Indian Association for Child and Adolescent Mental Health (IACAM), Expert Counsellor, Mission Shakti Program Under Mahila Kalyan Vibhag, UP.

National/ International awards/ memberships/ fellowships recipients were: Dr. Amit Singh, DM, Best Thesis Paper Award (Runner Up I) Titled "Cognitive Functioning in Buprenorphine Maintained Opioid Dependent Patients At Peak And Trough Buprenorphine Levels : An Experimental Study in The First National Conference of Addiction Psychiatry Society of India (APSI), Eminent visitors (National/International) to the Department, Dr. Manoj Kumar Sharma, Professor of Clinical Psychology NIMHANS, Bangalore, Dr. Neena Sawant, Department of Psychiatry, Seth GSMC & KEM Hospital, Mumbai.

Details of Extramural Project grants received were: Prof Bandna Gupta, MD ICMR-STS 2022 – Psychological morbidity and quality of life in women undergoing

Hysterectomy, Dr. Amit Singh, DM ICMR-STS 2022- Impact of parenting styles and adverse childhood experiences and resilience in medical undergraduates, Dr. Shweta Singh, PhD, PI of ICMR Project started 2021 [Development of Integrative Psychological Intervention

Program for Management of Problematic Technology Use among Adolescents."

GIA/2019/000775/PRCGIA

b. PI of CST Project started 2021 "Development of Psychological scale to assess 'Problematic Technology Use' among Indian adolescents."

Scientific workshop/CME/Conferences/Webinar/ organized by department were: Annual digital conference of Indian Psychiatric Society, Uttar Pradesh state branch, September

2021, Online Mental Health Awareness Program held on 9th October 2021 on occasion of World

Mental Health Day, Workshop on Technology Addiction" on 30th April 2022 (Foundation Day), Workshop on "Assessment and Management of Sexual Dysfunction" on 17th July 2022, World Mental Health Day Program consisting of short film presentation and poster presentation on 10th October 2022.

Value added/ enrichment program organized for students/Faculty/ Employees were: Weekly regular workshop on Emotional Regulation for Residents of all departments

Extension/Social outreach activities were done at Departmental level.

Department had conducted training for master trainers and representatives of Panchayat Raj Government School teachers on Prevention and Education and Awareness Related to Substance Use Disorder under NAPDDC organized by SIRD.

Five best publications of the department:

1. Joshi, M., Kar, S., Dalal, P. (2022). Safety and efficacy of early augmentation with repetitive transcranial magnetic stimulation in the treatment of drug-free patients with obsessive-compulsive disorder. *CNS Spectrums*, 1-7. doi:10.1017/S1092852922000013
2. Rani, I., Agarwal, V., Arya, A., Mahour, P. (2022). Sensory Processing in Children and Adolescents with Attention Deficit Hyperactivity Disorder. *Journal of Attention Disorders*, 0(0).

<https://doi.org/10.1177/10870547221129306>

3. Joshi S, Tripathi A, Agarwal S, et al Phenomenology, disability and sexual functioning in female Dhat syndrome: a study of tertiary care gynaecology outpatients *General Psychiatry* 2022;35:e100863. doi: 10.1136/gpsych-2022-100863
4. Patel AD, Arya A, Agarwal V, Gupta PK, Agarwal M. Burden of care and quality of life in caregivers of children and adolescents with autism spectrum disorder. *Asian Journal of Psychiatry*. 2022 Apr 1;70:103030.
5. Kumar U, Arya A, Agarwal V. Altered functional connectivity in children with ADHD while performing cognitive control task. *Psychiatry Research: Neuroimaging*. 2022 1;326:111531. 12. Book/book chapter contributions Book
  - Prof Adarsh Tripathi, MD
  - IPS Textbook of Sexuality and Sexual Medicine
  - Dr Sujit Kumar Kar, MD
  - Panic Buying and Environmental Disasters: Management and Mitigation Approaches Book Chapter
  - Prof Vivek Agarwal, MD
  - a. Agarwal V, Srivastava C. Sexuality and sexual disorders in children and adolescents. In: Vaishnav M, Rao TSS, Tripathi A, Nebhinani N (Eds). *IPS Textbook of sexuality and sexual medicine*. New Delhi, Jaypee Brothers Medical Publishers; 2022, pp 415-426.
  - Prof Adarsh Tripathi, MD a. Tripathi A, Das A, Kar SK (2021). Indian Perspectives on Homeless and Mental Health. In *Homelessness and Mental Health*, Oxford University Press.
  - Dr Sujit Kumar Kar, MD
  - a. Arafat SY, Kar SK, Aminuzzaman M. Business Perspectives of Panic Buying. In *Panic Buying 2021* (pp. 93-102). Springer, Cham.
  - b. Arafat SY, Islam MA, Kar SK. Mass Media and Panic Buying. In *Panic Buying 2021* (pp. 65-80). Springer, Cham.
  - c. Singh J, Kumar P, Kar SK. Predictors of Panic Buying. In *Panic Buying 2021* (pp. 13-34). Springer, Cham.
  - d. Kar S.K., Kabir R., Menon V., Arafat S.M.Y., Prakash A.J., Saxena S.K. (2021) Artificial Intelligence in Mental Healthcare During COVID-19 Pandemic. In: Nandan Mohanty S., Saxena S.K., Satpathy S., Chatterjee J.M. (eds) *Applications of Artificial Intelligence in COVID-19. Medical Virology: From Pathogenesis to Disease Control*. Springer, Singapore.
  - e. Tripathi A, Das A, Kar SK (2021). Indian Perspectives on Homeless and Mental Health. In *Homelessness and Mental Health*, Oxford University Press.
  - Dr Amit Singh, DM
  - a. Dalal P, Singh A. Impact of COVID-19 on substance and screen use. In 2021. p. 115–25. Parallel pandemic of 2020, Publication Committee IPS
  - b. George AB, Singh A. Healthcare Perspectives of Panic Buying. In: Arafat SMY, Kumar Kar S, Kabir R, editors. *Panic Buying: Perspectives and Prevention* [Internet]. Cham: Springer International Publishing; 2021 [cited 2021 Jun 24]. p. 35–52. (Springer Briefs in Psychology)
  - c. Singh A, George A. Aetiology of Behavioural Addictions. In 2021. pp. 29-38. Behavioural Addictions, IPS south Zonal Branch

## Department of Pulmonary and Critical Care Medicine Head: Prof. Ved Prakash

New equipment/New services/New research facility added in the department:- Advance Pulmonary Function Testing lab & Sleep Lab (Polysomnography Lab)

Name of Faculty members superannuated/obituary: Dr. BNBM Prasad, Professor (Contractual)

Eminent visitors (National/International) to the department for an academic/research Activity: Dr. D. Behera, Professor Emeritus and Ex Head, Pulmonary and Critical Care Medicine, Post Graduate Institute of Medical Education and Research, Chandigarh & Dr. V.K. Jain, Professor Emeritus & Ex-Head, Department of Respiratory Medicine, Mahatma Gandhi Medical College & Hospital, Jaipur

Scientific workshop/CME/ Conferences/ Webinar/ organized by department were TB Update, COPD Update, Sepsis Update & UPTBCCON-2022 Conference, Sleep Medicine Workshop, Critical Care Workshop & Advance PFT workshop.

Value added/ enrichment program organized for students faculty Employees was Dr. G.K. Singh, (Ex- Director AIIMS Patna) Organised Lectures on Research Methodology .

Extension/Social outreach activities at Departmental level was Adopted Gram Panchayat Uttardhauna (Chinhat) & Adopted Gram Panchayat Kasmandi Kala (Malihabad), and social outreach activities has performed in following places :Tiloi (Amethi), Jagdishpur (Amethi), & Salon (Raibareli) .

COVID specific initiatives at Departmental level Training Certificate courses were given by Dr. Ved Prakash has involved in formulation of guidelines for Uttar Pradesh Government COVID Preventive & management strategies.

Five best publications of the department:

1. Kumari M, Verma S, Venkatesh V, Gupta P, Tripathi P, Agarwal A, Siddiqui SS, Arshad Z, Prakash V. Emergence of blaNDM-1 and blaVIM producing Gram-negative bacilli in ventilator-associated pneumonia at AMR Surveillance Regional Reference Laboratory in India. Plos one. 2021 Sep 8;16(9):e0256308.
2. Singh A, Prakash V, Gupta N, Kumar A, Kant R, Kumar D. Serum metabolic disturbances in Lung cancer investigated through an elaborative NMR based serum metabolomics approach. ACS Omega 2022;7,6,5510-5520.
3. Singh A, Kant A, Nandi S, Hussain N, Naithani M, Mirza AA, Saluja S T, Srivastava K, Prakash V, Singh K S. Journal of Cancer Research and therapeutics, J Can Res Ther, 0973-1482 (print); 1998-4138 (web), 2022
4. Mohd. Anwar , Priya Singh , Sachin Kumar et al. Incidence and prevalence of gall bladder carcinoma in north indian population. Int J Acad Med Pharm, 2022; 4 (3); 136-140.
5. Mohd. Anwar , Priya Singh , Sachin Kumar et al. To correlate the expression of cd97, cd55 & cck-ar with grade and stage of gallbladder cancer, Int J Acad Med Pharm, 2022; 4 (3); 141-147.

## Department of Radiodiagnosis Head: Dr Anit Parihar

Following instruments were installed, and on following dates:-

128 Slice CT scan: Dec 2021

Mobile Digital X-Ray machine: May 2022

3T MRI: Under Process

1000 MA DR Fluoroscopy: Under Process

Department recognition/certification at State/ National/ International: AERB Faculty with an active role in National/ International institutes/ Industries/ Editorial boards

Dr. Durgesh Kumar Dwivedi (Frontiers in Oncology Imaging and European Radiology)

Patents filed by Faculty members: Dr. Anit Parihar -WO/2021/165988 -Radiation shielding red mud-based hybrid composite panel and process for preparing the same.

Faculty members superannuated/obituary: Dr. (Prof.) Neera Kohli

Eminent visitors (National/International) to the department for any academic/research activity:

Dr. Pricilla Joshi delivered a talk on Foetal MRI in CME advances in MR Imaging

Dr. Akshay Saxena delivered a talk on pediatric MRCP in CME advances in MR Imaging

Scientific workshop/ CME/ Conferences/Webinar/ organized by department: CME on Advances in MR imaging – 23/10/2021

Any value-added / enrichment program organized for students/Faculty/ Employees:

Dr. Anil Rawat, Dr. Siddharth Mishra, and Dr. Priyanka Yadav completed ICMR- NIE- Basic Course in Biomedical Research 2022

Dr. Anil Rawat, Dr. Durgesh Dwivedi, and Dr. Sukriti Kumar completed the Revised Basic Course Workshop in MET 2021

Extension/Social outreach activities at the Departmental level:

The faculty delivered talks on the Scope of Radiodiagnosis, Road Rage, Common myths about Ultrasound, Intervention Radiology, Artificial Intelligence in Medicine, Ultrasound and Mammography on KGMU Goonj 89.6 FM Radio Station, 2022.

Social Outreach Activity: - Road Safety Awareness Campaign- Poster Exhibition & Nukkad Natak

Demonstration by Students of Radiology Paramedical Diploma courses

Azadi Ka Amrit Mahotsav – AKAM- 10/12/2021

Five best publications of the department:

1. Joshi RC, Yadav S, Pathak VK, Malhotra HS, Khokhar HVS, Parihar A, Kohli N, Himanshu D, Garg RK, Bhatt MLB, Kumar R, Singh NP, Sardana V, Burget R, Alippi C, Travieso- Gonzalez CM, Dutta MK. A deep learning-based COVID-19 automatic diagnostic framework using chest X-ray images. *Biocybern Biomed Eng.* 2021 Jan-Mar;41(1):239- 254. doi: 10.1016/j.bbe.2021.01.002. Epub 2021 Jan 16. PMID: 33518878; PMCID: PMC7837255 (IMPACT FACTOR 2.5)
2. Chakraborty N, Rizvi I, Parihar A, Siddiqui SS, Muzaffar SN. Prognostication model for traumatic brain injury based on age and white matter diffusion metrics in brain MRI. *Intensive Care Med.* 2022 Jan 21. doi: 10.1007/s00134-022-06628-x. Epub ahead of print. PMID: 35061053.
3. Verma R, Srivastava C, Ojha BK, Chandra A, Garg RK, Kohli M, Malhotra HS, Parihar A, Tripathi S. Complications Encountered with ETV in Infants with Congenital Hydrocephalus. *Neurol India.* 2021 Nov-Dec;69(Supplement):S520-S525. doi:10.4103/0028-3886.332252. PMID: 35103011.
4. Udayakumar D, Zhang Z, Xi Y, Dwivedi DK, Fulkerson M, Haldeman S, et al. Deciphering Intratumoral Molecular Heterogeneity in Clear Cell Renal Cell Carcinoma with a Radiogenomics Platform. *Clin Cancer Res.* 2021 Sep 1;27(17):4794-4806 (Impact factor 13.8).
5. Dwivedi DK. Editorial for “Voxel-level Classification of Prostate Cancer on MRI: Improving Accuracy Using Four-Compartment Restriction Spectrum Imaging”. *J Magn Reson Imaging.* 2021 Sep;54(3):985-986. doi: 10.1002/jmri.27646. Epub 2021 Apr 21. PMID: 33881195.

Book/book chapter contributions:

Kohli N, Parihar A. Disorders of Mesentery in Pediatrics. IRIA Textbook vol 4. Elsevier (2022)

## **Department of Radiotherapy** **Head: Prof. MLB Bhatt**

New equipments New service/research facility added:

- Cancer Support.
- cancer Breast clinic every Thursday
- cancer Awareness Programme 5 days a week.

Department recognition at State/National/International

- Recognized M.D. Degree Registered by letter No. MCI-872412416-Medh57 398, dated January - 15, 2015
- B.Sc. Radiotherapy Technology run by faculty of Paramedical Sciences, KGMU, since 2014.
- DRTT (Diploma in Radiotherapy Technician) run by faculty of Paramedical Sciences, KGMU, (recognized by U.P. Medical Council) since 2015.

Faculty role in National/International institutes/Industries/Editorial Boards

Prof. M.L.B. Bhatt:

- Elect President, Indian Society of Chrono Medicine, 2021 to 2024
- Chairman, Technology Evaluation Committee, Central Scientific and Industrial Research- National

Botanical Research Institute (CSIR-NBRI), Government of India, New Delhi in the year 2021.  
Prof Kirti Srivastava  
She has established peripheral Nodal Centre and conducted a meeting with PHC and CHC in- charges for earlier detection of cancer under HBCR

#### National/international awards/Memberships/Fellowships

Prof. M.L.B. Bhatt felicitated by Honorable Governor of Uttar Pradesh for organizing Bachche Hain Anmol, an online Covid 19 Awareness Program at Prof Rajendra Singh (Rajju Bhaiya) High Tech (Digital) Sookhana Samvad Kendra, Saraswati Kunj, Nirala Nagar, Lucknow in a ceremony organized to mark the silver jubilee episode (25<sup>th</sup> Episode) on 31<sup>st</sup> August 2021. He received Dr H. Zunkley Memorial Award for the year 2020-2021 by international College of Nutrition in recognition of significant contribution linking treatment of disease and functional food organized on 16-18<sup>th</sup> October 2021 at Dehradun, U K

Prof. Kirti Srivastava- She is member, Selection Committee by Union Public Service Commission

Prof Seema Gupta. Received fellow membership of Royal society of medicine, United Kingdom.

Dr, Sudhir Singh is member, Selection Committee, RMLIMS, Lucknow.

Prof Rajendra Kumar received National fellowship in palliative medicine. He has added a new service in department of Radiotherapy in form of Home care home care for terminal cancer patients.

Dr. Navin Singh received IABS membership.

Dr. Teerthraj Verma received short term fellowship training in Indian institute by ICMR. He has been granted extramural project funded by ICMR entitled "study of LASER based cost effective monitoring system for lung and breast cancer radiotherapy"

Dr Sudhir Singh and Dr Mranalini Verma received ESNIO membership.

Dr. Shraddha Srivastava

Received associate membership of ESTRO. She received Dr MS Agrawal Young investigator award by AMPI.

Dr Mranalini Verma

Received fellowship of Head and neck oncology.

Eminent Visitors (National/International) to the Department were: Prof. D.N. Sharma, Head, Dept, of Radiotherapy, AllMS, New Delhi, Prof. Kishore Singh, Dept. of Radiotherapy, MAMC, New Delhi, Prof. G.K. Rath, chief IRCH, AllMS, New Delhi, Dr P Mathur, Director NCDIR Bengaluru, (Online)

Value added /enrichment program organized for Students/Faculty/Employees were Tumor Board on every Wednesday.

Extension/Social outreach activities at departmental level: Cancer Awareness Program for patients and attendants from Monday to Friday each week in patient waiting area situated at basement of Shatabdi Phasell, Online Cancer Awareness Program for ASHA Workers on every Tuesday

Breast cancer clinic on every Thursday

#### Five Best Publications:

1. Hasan F, Katiyar T, Maurya SS, Yadav V, Yadav S, Pandey R, Mehrotra D, Hadi R, Singh S,
2. Bhatt MLB, Parmar D. Similarities in mRNA expression of peripheral blood drug metabolizing enzymes and cancer marker genes with biopsy samples of head and neck cancer patients.
3. Feza Hasan, Vinay Yadav, Tridiv Katiyar, Sanjay Yadav, Rahul Pandey, Divya Mehrotra, Rahat Hadi, Sudhir Singh, Madan L.B. Bhatt, Devendra Parmar, Validation of gene expression profiles of candidate genes using low density array in peripheral blood of tobacco consuming head and neck cancer patients and auto/taxi drivers with preneoplastic lesions
4. Chakrabarti D, Rajan S, Akhtar N, Qayoom S, Gupta S, Verma M, Srivastava K, Kumar V, Bhatt MLB, Gupta R. Short-course radiotherapy with consolidation chemotherapy versus conventionally fractionated long-course chemoradiotherapy for locally advanced rectal cancer randomized clinical trial. *British Journal of Surgery*. 2021 May 27;108(5):511-520. doi: 10.1093/bjs/znabA20. PMID:33724296. (IMPACT FACTOR - 69)

Chakrabarti D, Akhtar N, Rajan S, Qayoom S, Kumar V, Chaturvedi A, Verma M, Gupta R, Bhatt MLB, Parveen S. What is the Acceptable Non inferiority Limit for Nodal Recurrences

When Ascertaining Sentinel Lymph Node Biopsy as an Alternative to Neck Dissection for Early Oral and Oropharyngeal Cancers? *Journal of Clinical Oncology* 2021 May 10;39(14):1599-1600. doi: 10.1200/JCO.20.03439. Epub 2021 Mar 11. PMID: 33705207

(TMPACTFACTOR - 445)

Ghosh A, Gupta S, Johny D, VidyadharBhosale V, Pal Singh Negi M. A Study to Assess the Dosimetric Impact of the Anatomical Changes Occurring in the Parotid Glands and Tumour Volume during Intensity modulated Radiotherapy using Simultaneous Integrated Boost (MRT-SIB) in Head and Neck Squamous Cell Cancers. *Cancer Inj*. 2021 Aug; 10(15):5175- 5190. doi: 10.1j021cam4.4079. Epub 2021 Jun 22. PMID: 34159749; PMCID: PMC8335829

## Department of Respiratory Medicine Head: Prof Suryakant

New Equipment / New Services/New Research Facility are added in the department. Those are as follows : Portable X-Ray Machine, establishment of Eco-platform by Defeat TB Project of International Union against Tuberculosis & Lung Diseases. The Department has got recognition certification at state / national / International for National Centre of excellence for Drug Resistant Tuberculosis selected by International Union against Tuberculosis & Lung Diseases.

Scientific workshop CME/conference/Webinar organized by the department were : Doctors day celebration on 01/07/2021 Post covid clinic on 06/07/2021,

Difficult to treat tb clinic held on 13/07/2021, Awareness program on Lung cancer held on 02/08/2021, Inauguration of the rotary herbal park held on 05/08/2021, Grand plantation drive held on completion of 10 years by Dr Surya Kant on 05/08/2021, Grand plantation drive, each one plant one by each staff nurse took place on 31/08/2021, Bronchoscopy sensitization workshop organised on 10/09/2021, Inhalation devices sensitization workshop for residents held on 13/09/2021, Plantation ceremony at developing green zone, KCH on 14/09/2021, World lung day, care for your lungs on 25/09/2021, National pulmonary pg conference held on 26/09/2021, Sensitization program on oscillating positive expiratory pressure (opep) device for bronchiectasis held on 08/10/2021, Launch of arogyavatika (herbal garden) held on 10/10/2021, Lung cancer clinic held on 12/10/2021, Role of Surgery in Lung Cancer and other Respiratory diseases held on 22/10/2021, Medical camp organization with parvatiyamahaparishad lucknow held on 24/10/2021, Management of cough organised on 27/10/2021, Aerosol therapies for oad held on 27/10/21, World pneumonia day stop pneumonia, every breath counts organised on 12/11/2021, WORLD COPD DAY; "Healthy Lungs – Never More Important" organised on 17/11/2021, Difficult to Treat TB clinic held on 24/11/2021, Judicious use of antibiotics in ICU organised on 24/11/2021, TB sensitisation programme under NTEP held on 25/11/2021, Satellite symposium -Early Management of COVID -19 organised on 28/11/2021, Launching of SCIFLIX. Held on 30/11/2021, Diagnostic approach to allergic broncho-pulmonary aspergillosis held on 30/11/2021, International respiratory conference held on 05/12/2021, End tuberculosis 2025 held on 07/12/2021, Refresher Course in Obstructive Airway Disease (ROAD) held on 12/12/2021, NCCP Pulmonary Medicine Quiz-2021 held on 12/12/2021, Evolving trends in COPD management held on 18/12/2021, Difficult to treat TB clinic held on 18/12/2021, Orientation towards facilitation for creation of patient utility centre at KCH held on 01/01/2022, Plantation ceremony held on 01/01/2022, Plantation ceremony with md passout students held on 21/01/2022, World cancer day celebration. Close the care gap held on 04/02/2022. Bpal sensitization programme for mdr/xdr tuberculosis on 08/02/2022. Nursing care of ventilated patients was done on 12/02/2022. Role of molnupiravir was identified in the management of covid 19 on 13/02/2022

Facilitating a visit regarding BPAL regimen and sensitization of faculty members and residents on new treatment modalities in drug resistance Tuberculosis on 25/02/2022. Lung oscillometry techniques was done on 27/02/2022. Bio-medical waste management training was done on 2/03/22.

Inauguration of virtual ECHO (extension of community health care outcomes) TB Hub on 04/03/22

COVID Awareness Program "Awareness about Vaccination and Third wave was held on 26/06/2021. Optimizing therapy to delay COPD progression was done on 05/03/2022. Sensitization of residents doctors regarding national programme of tuberculosis elimination in India on 08/03/22

Emerging trend in IPF management was done on 09/03/222. Awareness programme on National no smoking day on 09/03/22. Case presentation of a difficult to treat DRTB case on 16/03/22. Holi milan celebration was done on 18/03/2022. World TB day celebration was done on 24/03/2022

World health day celebration was done on 07/04/2022. Advancing excellence in AF and VTE-A Step towards better patient care on 10/04/2022

Value added enrichment programme organized for students faculty/employees were training of Health Care

worker : Nursing care of Ventilated patient on 12/02/2022 and biomedical waste management training on 02/03/2022. Sensitization of residents doctors regarding National Programme of TB Elimination in India on 08/03/2022 by Dr. A.K. Bhardwaj, Chairman, National Tuberculosis Elimination Programme (NTEP). Govt of India.

Extension / Social outreach activities at departmental level were: Asthma Camp on 12/12/2021 at Gursanda, Asthma and HB testing & camp, consultation camp on 28/08/2022 at Sitapur, Asthma, Diabetic, hypertension and HB testing & consultation on 25/09/2022 at Siddhauri, Sitapur, free TB & Respiratory Diseases Camp on 21/03/2021, free Medical camp at Daliganj Lucknow on 21/03/2021, World Tuberculosis Day awareness programme on 24/03/2022, World Asthma Day Awareness Programme on 05/05/2022, World No Tobacco Day Awareness Programme on 31/05/2022, World Allergy Week Awareness Programme in June 2022, Medical Camp organization with Parvatiya Mahaparishad Lucknow on 24/10/2021, 3rd UP Health Summit 2021 on 17/09/2021, World COPD Day on 17/11/2022, Establishment of Rotatory Respiratory Herbal Park inaugurated by Hon'ble Minister of Forest, Environment & Climate Dis. UP Dr. Arun Kumar & Vice Chancellor, KGMU UP Dr. Bipin Puri on 05/06/2022, establishment of Rotatory Rein basera for attendant of the patients inaugurated by Hon'ble Minister of Forest, Environment & Climate Dis. UP Dr. Arun Kumar & Vice Chancellor, KGMU UP Dr. Bipin Puri on 05/06/2022.

COVID specific initiatives at department level training / Certificate course were : Covid-19 specific training program for medical students on 25/08/2021, Covid-19 specific training program for para medical on 27/08/2021, Uttar Pradesh Yongsan sports association (UPYSA), COVID -19 Management on 02/07/2021, A covid update on 2-DG and sputnik V in diabetes, Asthma management in covid-19 on 10/07/2021, how to protect ourself from 3rd wave of covid on 01/08/2022, Covid-19 infection control for dentist, 2021, Fundamental of respiratory care in covid-19 (3rd and 4th July), Covid-19 hyperinflammation and lung fibrosis : clinical pearls on 02/07/2021, effects of covid-19 pandemic on health care & education system on 5th -9th July, 2021, Dr. Surya Kant has facilitate donation of Oxygen Concentrator at KGMU with help of Right Walk Foundation during Covid 2nd Wave time, Dr. Surya Kant worked as In-charge of 1100 bedded covid hospital of KGMU Hospital during second wave. Dr. Surya Kant worked as in-charge for virtual round of 58 Covid ICU of UP. Dr. Surya Kant worked as external expert for UP Govt.

Faculty with active role in National/International Institutes/Industries/Editorial boards were: Dr. Surya Kant, Professor & Head, Honorary National Professor, College of General Physicians (IMA CGP), National Vice Chairman, IMA Academy of Medical Specialties, Vice President, IMA UP, Member, Board of Management, Rajasthan University of Health Sciences, Brand Ambassador for COVID Vaccination, National Health Mission 2021-onwards, International Partner, Front Line COVID-19 Critical Care Alliance, Member, International Network for Lung Oscillometry Research. (ARISE), Chairman, Academic Committee, AIIMS Patna, Member, Institute Body, AIIMS, Patna, Member, Governing Body, AIIMS, Patna, Member, Standing Selection Committee, AIIMS, Patna, Member, Independent Expert Committee, Serious Adverse Events Division, Central Drugs Standard Control Organization (CDSCO), (DCGI), Ministry of Health & Family Welfare, Govt. Of India, Member, Tuberculosis Preventive Treatment Committee, UP, Member, MBBS Curriculum in Hindi, Ministry of Medical Education, Madhya Pradesh, Member, Academic Council CBMR (Centre of Bio Medical Research), Member, State Committee for starting Drug Resistant TB Centers in Private sector of UP, Awarded 22nd Pandit Govind Narain Mishra Memorial Oration on Post Covid Health Management at Bhartiya Shiksha Shodh Sansthan, Nirala Nagar Lucknow, organized by Sidhi Gopal Mishra Dharmarth Trust, On 23rd May 2022, Awarded with NAMS Dr. R.B. Rajam Oration on 23 Oct 2022 held Virtually, Awarded "Indian College of Allergy Asthma & Applied Immunology Foundation day lecture oration" in ICAAICON 2021 virtually at JIPMER Pondicherry on 30 Oct 2021, Appointed as Examiner / Expert at PGI Chandigarh, JIPMER, Pondicherry, AIIMS & Other medical Universities, Institutions, UPSC etc., Appointed as Chairperson North Zone task Force for National Tuberculosis Elimination Programme (NTEP), Ministry of Health & Family Welfare, Government of India, Member, editorial board of Academic journal of Nutrition and Food Sciences, Member, editorial board of ACTA Scientific Library (Gastro), Member, International Editorial board Team Respiratory Sciences, Member, Advisory Board of Journal of UP IMA, Member, Advisory board for the book on Mucor mycosis and official publication of the Indian Medical Association Published by the Evengel Publishing New Delhi 2022, Member, Advisory Board EFI Bulletin of Epidemiology Foundation of India, Associate Editor, Indian Journal of Immunology & Respiratory Medicine.

o Dr. R.A.S.Kushwaha, Professor ,Technical Expert for appointment of Medical Officer at UPPSC ,Technical expert for appointment for Assistant professor in Govt Medical Colleges of UP , Technical expert for appointment of Medical Officer in Utrakhand PSC ,Technical expert for promotion faculty in RMLIMS Lucknow ,Technical expert for appointment of Respiratory Physician in ESI Hospital ,External PG Examiner in West Bengal University of Health Sciences GujratUniversity of Medical Sciences, External expert for selection of faculties in super specialty pediatric hospital and PG Institutes ,Dr. Santosh Kumar, Professor , Technical Expert in UPPSC ,Examiner in Agra University, Kanpur University, UPIMS NIMS , Member of selection committee in RMLIMS & AIIMS patna , Inspector of UG & PG in MCI/NMC.

National International Awards memberships/fellowships

Dr. Surya Kant

Awarded "" by IMA Lucknow on Doctors Day 1 July 2021, Awarded "Covid Warrior Award" by IMA Lucknow on Doctors Day 1 July 2021 , Awarded Fellowship of Asian Pacific Society of Respirology 2021 ,Awarded Covid Saviour Award by Indian Chest Society Haryana Chapter on 8th August 2021, Awarded "N.L. Bordia Oration" in MP PULMOCON 2021 held in Indore on 8th August 2021, Awarded "Distinguished Scientist Award" by VDGGOOD Professional Association on 20th and 21st August 2021 , Awarded Honorary Professor of IMA- College of General Practitioners on 5th September 2021 in Ima Medical Teachers' Day ,Awarded "M.L. Mittal Oration" for Contribution in the field of Research & Clinical Practice

related to Respiratory Medicine and commendable service for the benefits of society in 38th Annual Conference of Association of Physicians of Inida, U.P. Chapter at GSVMMedical College, Kanpur on 26th September 2021 , Awarded with NAMS Dr. R.V. Rajam Oration on 23rd October 2021 held Virtually , Awarded "ICAAI Foundation Day Lecture Oration" in ICAAIICON 2021 Virtual at JIPMER Puducherry on 30th October 2021 , Awarded Global Association of Physicians of Indian Origin on 1st December 2021 , Awarded "Secretary's Appreciation Awards" in IMAAMS NATCON 2021 at Tripati on 19th and 20th December 2021 , Awarded IMA AMS Dr. Satya Pal Aggarwal Memorial Annual Award 2020-2021 at the 96th All India Medical Conference held at Patna on 27-28 December 2021 ,Awarded by Rotary Club of Lucknow during its Annual Award Function on 28.12.2021

for exemplary Contribution in Covid Pandemic ,Awarded Doctor's Felicitation Ceremony LMA Award By Jaipuria Institute of Management

Lucknow on 30th December 2021 ,Chikitsa Ratna Award for dedication and contribution in the field of medicine and health

by Indian Medical Association, Lucknow Branch on 8th January 2022 ,Awarded with Corona Yoddha Samaan for excellent and exemplary contribution in the

field of COVID by Pushpanjali Media Journalist Association in January 2022 ,Felicitated by Munshi Premchandra Margdarshan Kendra for completing 365 of stories of Munshi Premchandra for his contribution in arranging the stories of Premchandra on 13th Feb 2022 , Awarded Best Editor Research Award by innovative Publication for his valuable

contribution for best editor to IP Indian Journal of Immunology and Respiratory Medicine

an official Journal of KERF on 8th March 2022 ,Awarded with President Appreciation Awards for the association year 2020-2021 at 86th

Annual State Conference of IMA UP held at Ayodhya on 12-13 March 2022 ,Dr Surya Kant as Chief Guest and Chief Speaker delivered 22nd pandit Govind Narain

Mishra Memorial Oration on Post Covid Health Management at Bhartiya Shiksha Shodh Sansthan ,Nirala Nagar Lucknow , organized by Sidhi Gopal Mishra Dharmarth Trust , On 23rd May 2022.

Dr. R.A.S.Kushwaha

Member of Indian Cancer Society at UP Branch.

Any higher qualification awarded to the faculty.:

o Dr. Surya Kant awarded Certificate of competition course on good clinical practice 02 Sep 2021.

Details of patents filed by faculty members: 01

Eminent visitors (National/International) to the department , Dr. Diwakar Tripathi, Retd, IAS, MP Representation of Shri Rajnath Singh, MP Lucknow Defense Minister of India Visited the Department of Respiratory Medicine, KGMU & delivered a lecture on "Orientation towards facilitation for creation of patient utility centre at KCH" on 31/12/2021 ,Dr. Seema Javed, Strategic communicator of Climate Change, Senior Media Officer of Green Piece; Ex Visiting Scientist University of Wisconsin USA, Ex visiting Scientist Case



Western University visited the Department of Respiratory Medicine, KGMU; delivered a lecture on "Sensitization towards air Pollution to climate change and Lung Health" on 29/10/2021, Dr. Ashok Kumar Singh, Secretary, UP Chapter of Indian Chest Society delivered a lecture on "Management of Invasive Pulmonary Mycosis", Ms Arti Ahuja Adinational Health Secretary, Director General, TB Ministry of Health & Family Welfare, Government of India visited DR TB Centre under the NTEP Programme on 23/11/2021, Dr. Raghuram Rao, Joint Director (TB) Ministry of Health & Family Welfare, Government of India, visited DR TB Centre under the NTEP Programme on 23/11/2021, Dr. Rajendra Joshi, Deputy Director Tuberculosis. Ministry of Health & Family Welfare delivered a lecture on "End Tuberculosis 2025" on 07/12/2021, Dr. A.K. Bhardwaj, Chairman, National Task Force TB Elimination Programme delivered a lecture on "TB preventivetherapy" on 20/08/2022

#### Details of Extramural project grants received

Pulmonary Hypertension in Chronic Obstructive Pulmonary Disease- ` 1.5 Lac Intramural Seed Grant KGMU under Dr. Jyoti Bajpai, Phase IIB open level, parallel, randomized controlled clinical trial to evaluate the safety, tolerability, pharmacokinetics and anti bacterial activity of High dose Rifampicin versus conventional dose of Rifampicin along with standard anti tubercular therapy (ATT) in drug sensitivity adult patients of PTB funded by ICMR New Delhi ` 1.49 Crore/- under Dr. Rajiv Garg, mBPAL study (evaluate the affectivness, safety and tolerability of various doses oflinezolid in combination with bedaquiline and pretomaned in adults with pre-extensivelydrug resistant or treatment intolerant or non-responsive multi drug resistant pulmonary tuberculosis Indian Council of Medical Research (ICMR), New Delhi. Under Prof. Surya Kant Grant is 56.9 Lac

#### Five best publications of the department

- 1) Jagdhari Y, Verma AK, Kant S, Mishra R, Srivastava K, Bajpai J. Clinical and mutational profile of extensively drug resistant tuberculosis cases in northern India in 2021
- 2) Kant S, Tyagi R. The impact of COVID-19 on tuberculosis: challenges and opportunities. *Therapeutic Advances in Infectious Disease*. 2021 Jun;8:20499361211016973.
- 3) Verma AK, Pandey AK, Singh A, Bajpai J, Kant S, Bajaj DK. Assessing Knowledge, Attitude, and Practices towards Ivermectin Pre-exposure Prophylaxis for COVID-19 among Health Care Workers. *Indian Journal of Community Health*. 2021 Jul 1;33(3).
- 4) Tyagi R, Kant S, Verma SK, Kushwaha RA, Kumar S, Garg R, Verma AK, Srivastava A, Bajaj DK, Waklu A, Parihar A. Spectrum of interstitial lung diseases and their association with pulmonary hypertension. *Monaldi Archives for Chest Disease*. 2022.
- 5) Verma AK, Pandey AK, Singh A, Kant S, Mahdi AA, Prakash V, Ansari KM, Dixit RK, Chaudhary SC. Correlation of serum levels of matrix-metalloproteinase-9, cyclo-oxygenase-2, and prostaglandin-E-2 in Chronic obstructive pulmonary disease (COPD).

#### Book /book chapters contributions:

##### o BOOKS

- COVID -19 guidelines and management by Dr. Surya Kant & Dr. Manoj Srivastava under aegis of Indian Medical Association (IMA).
- Open secrets of Allergy & Immunology by Dr. Surya Kant.

##### o CHAPTERS IN BOOK

- Surya Kant and Jyoti Bajpai. Pulmonary Manifestation of Mucormycosis and its differentiation from Aspergillosis. *Book of Mucormycosis – An official Publication of India Medical Association published by Evangel publications in 2021; 42-50.*
- Surya Kant COVID-19 An Indian Perspective. *Annals 2021 National AMSCON, 15-23; 2021*
- Surya Kant Variants of SARS-COV-2 including Omicron and XE, speculation and preventive strategies towards fourth wave of COVID-19, *UP State IMAAMS 2022-23, Volume-1*
- Surya Kant, End TB by 2025: Challenges, Opportunities and Way Forward, *Medicine Update 2022, published by Evangel publications; 1223-1226.*

## Department of Clinical Immunology & Rheumatology

### Head of the department: Prof Urmila Dhakad

Faculty with active role in National/International institutes/industries/Editorial boards

DrPankti Mehta (Assistant professor): Social Media committee at Rheumatology (Oxford)

National/International awards/memberships/fellowships received by faculty/staff/student:

International awards

Winner of the People's Choice Award in ACR2021 Image Competition(Dr.KunalChandwar, SR)

Winner of Best Regional Images – South Asia in ACR2021 Image Competition(Dr.KunalChandwar, SR)

Travel bursary to The International Vasculitis Conference and ANCA workshop 2022 held at Dublin (DrKritiKishor, SR)

National Awards

Rheumatology quiz, 1st prize at IRACON 2021 (DrKritiKishor, SR)

Others

Corona warriors honor, certificate of appreciation to DrPuneet Kumar and MrsArti Singh (Nursing staff), for outstanding services to the nation during COVID 19, by ChatrapatiSahujiMaharajSmriti Munch.

Any higher qualifications awarded to the Faculty

DrSundaram TG (Assistant Professor): MRCP Specialty Certification for Rheumatology

New faculty member joined

DrPankti Mehta (Assistant professor) (Contractual)

DrSundaram TG (Assistant Professor) (Contractual)

Eminent visitors (National/International) to the department for any academic/research activity

Lt Col DrVed Chaturvedi for a guest lecture on world arthritis day 12th October, 2022.

Details of Extramural Project grants received:

GS-US-417-0304GS-US-417-304: "A Multicenter, open label, long-term Extension Study to assess the safety and Efficacy of Filgotinib in Subjects with Rheumatoid Arthritis sponsored by Galapagos.

Extension/Social outreach activities at departmental level were awareness about rheumatic diseases on KGMU RadioGOONJ12/10/22.,awareness drive on world arthritis day 12/10/2021awareness drive on world osteoporosis day 18/10/21.

COVID specific initiatives at Departmental level training/Certificate courses was training about hand hygiene, biomedical waste measures and personal protective equipment at regular intervals done.

Five best publications of the department:

- 1) Sahoo RR, Manoj M, Bafna P, Hazarika K, Wakhlu A. Clinical characteristics and outcomes of macrophage activation syndrome among patients attending a rheumatology tertiary care center in North India. *Indian J rheumatol* 2022; 17:149-52 Hazarika K, Sahoo RR, Mohindra N, Wakhlu A, Manoj M, Bafna P, Garg R, Misra DP, Agarwal V, Wakhlu A. Clinical, radiologic and serologic profile of patients with interstitial pneumonia with autoimmune features: a cross-sectional study. *Rheumatol Int.* 2022 Aug;42(8):1431-1441. doi: 10.1007/s00296-021-04883-7.
- 2) Mehta P, Gasparyan AY, Zimba O, Kitas GD. Systemic lupus erythematosus in the light of the COVID-19 pandemic: infection, vaccination, and impact on disease management. *ClinRheumatol.* 2022 May 31:1–18. doi: 10.1007/s10067-022-06227-7. Mehta P, Basu A, Ahmed S. Effectiveness and adverse effects of the use of mirtazapine as compared to duloxetine for fibromyalgia: real-life data from a retrospective cohort. *Rheumatol Int.* 2022 Apr 27. doi: 10.1007/s00296-022-05135-y. Ahmed S, Mehta P, A Paul, S Anu, S Cherian, V Shenoy, K KNalianda, S Joseph, A Poulouse, P Shenoy. Postvaccination antibody titres predict protection against COVID-19 in patients with autoimmune diseases: survival analysis in a prospective cohort. *Ann Rheum Dis.* 2022 Feb 8

Book/Book chapter contributions

Hazarika K, Ahmed S, Treat to target in spondyloarthritis in: Rheumatology clinics spondyloarthritis, Handa R & Sharma A(eds). Evangel, New Delhi 2021, pp (204-217)

Significance of Counselling and Adherence in Rheumatoid Arthritis, Chapter 36, Pg 450-456, Rheumatology Clinics-Rheumatoid Arthritis 1st edition, ISBN: 9789390616459

Sexual Health and Rheumatoid Arthritis, Chapter 38, Pg 468-475, Rheumatology Clinics-Rheumatoid Arthritis 1st edition, ISBN: 9789390616459

### **Department of Sports Medicine** **Head: Prof Ashish Srivastav**

The first Sports Medicine department of Northern India

Sports Medicine Department, started by the Ministry of Youth Affairs & Sports, GOI in 2017, has been finally adopted by our State Government of U.P. and G.O. has been released to carry forward the department after completion of Central Govt. grant in October 2022 and to separately develop the department as per NMC norms in term of manpower & other facilities.

Sports Authority of India regional Centre, Sashastra Seema Bal, UP Police & Sports Directorate signed MOU with KGMU, Department of Sports Medicine.

Department organized its annual event 4th Arthroscopy Conclave & Cadaveric Arthroscopy Workshop, comprising of renowned national faculties and delegates from Nepal as well.

National Arthroscopy conference 2023 of Indian Arthroscopy Society has also been allotted to Prof. Ashish Kumar, Organizing Secretary and Off. Head of Sports Medicine.

Prof Ashish Kumar got selected for prestigious Ashok Sengupta Visiting Professorship of Indian Orthopaedic Association.

Prof. Ashish Kumar got elected as President Elect of UP Orthopaedic Association & President of Arthroscopy Association, Uttar Pradesh.

Departmental faculty have been invited as speaker at various National and State level conferences of Sports Medicine & Orthopaedics.

### **Department of Surgery** **Head: Prof Abhinav Arun Sonkar**

New equipment/New services/New research facility were added in the department like :ICU beds for post operative ward ,interactive panel and accessories for class rooms, gas plasma steriliser ,6 sets of hand OT surgical instruments ,laparoscopic USG probe,blood freezer for surgical ward 1, Thompson's retractor, Upper abdominal retractor, Surgical head light and Liposuction machine.

The details of Faculty with active role in National/ International institutes/ Industries/

Editorial boards/ any other (specify) are :Prof Abhinav Arun Sonkar (Assessor, National Medical Commission India Examiner, National Board of Examinations, India Examiner - GLOBAL ONLINE FELLOWSHIP (GOLF) – International ,Federation of Head and Neck Oncologic Societies (IFHNOS) Chief Editor, Journal of Surgery Archives – Official Journal of Association of Surgeons of India – UP Chapter) ,Dr Akshay Anand Joint Editor (Journal of Surgery Archives – Official Journal of Association of Surgeons of India – UP Chapter) ,Dr. Ajay Kumar Pal: MBBS Examiner, LLRM Medical College, Meerut).

The National/ International awards/ memberships/ fellowships were received by faculty, staff and students were as follows: Dr H.S. Pahwa (Membership of Society of Genitourinary Oncologists, Membership of Uro-oncology Section USI ,Membership of USI Urolithiasis Section), Dr Akshay Anand (International Member - International Hepato-Pancreato-Biliary Association (IHPBA) ,International Member - Asian - Pacific Hepato-Pancreato-Biliary Association (A-PPHBA), Dr Ajay Kumar Pal (Membership HSI- Hernia Society of India, Membership APHS- Asia Pacific Hernia Society), Dr Pankaj Singh ( Membership of American College of Surgeons , Dr Saumya Singh (Fellowship in International College of Robotic Surgeons,

Membership Indian Society of Peritoneal Surface Malignancies), Dr Amit Karnik (Fellowship in Indian Association of Gastrointestinal Endosurgeons) (FIAGES)

The Faculty member superannuated/obituary was Prof Vinod Jain on 5/10/22.

New faculty member joined was: Dr Amit Karnik joined on 20/6/2022 as Assistant Professor. Eminent visitors (National/International) to the department for any academic/research

Activity were: Prof. PC Dubey Oration- 2022-Prof. Sunil Chumber (AIIMS New Delhi), Prof. TC Goel Guest

lecture- 2022- Prof. Pawanindra Lal (MAMC New Delhi).

Scientific Workshop/CME/Conferences/Webinar organised by department were: Surgical Education Programme in March 2022, 110 th Foundation Day of Surgery Department in April 2022, 48 Th Annual conference of Association of Surgeons of India - UP Chapter 2022 organised in October 2022. UPASICON 2022. Value added/enrichment programme organised for faculty, students or employees were hands on Cadaveric Surgical Workshop for Postgraduates organised in October 2022 in association with Anatomy department  
Extension and Social Outreach activities at departmental level- Breast and Cervical Cancer Awareness and Screening Programme in March 2022, International women's day : Address to Female health related issues, Road Safety Week in April 2022

COVID specific initiatives at Departmental level/ training/Certificate courses were done.  
Department led from the front in managing COVID Operation theatre in RALC.

Five best publications of the department

1. Anand A, Agrawal MK, Pal AK, Bajpai A, Kumar A, Pahwa HS, Sonkar AA. Initial Retrocolic Endoscopic Tunnel Approach As an Ergonomic and Oncologically Apt Laparoscopic Technique for Resection of Malignant Right Colonic Lesions: An Experience from a University Hospital. *J Laparoendosc Adv Surg Tech A*. 2022 Apr 7. doi: 10.1089/lap.2022.0040. Epub ahead of print. PMID: 35394355. (Impact Factor: 1.766)
2. Ahmad A, Kumar A, Sonkar AA et al. A Prospective Study of Combined Sphincter Preserving Procedure (LIFT + VAAFT + FiLAC) in Complex Anal Fistula. *Indian J Surg* (2022). <https://doi.org/10.1007/s12262-021-03222-1>. (Impact Factor: 0.609)
3. Kumar, S., Jaidev, S., Pal, A.K. et al. The Alteration of Serum Galactomannan Levels in Surgically Treated Patients with Aspergilloma: a Prospective Observational Study. *Indian J Surg* (2021). <https://doi.org/10.1007/s12262-021-03150-0> (Impact Factor: 0.609)
4. Dandey A, Pal AK, Agrawal M, Kumar A, Anand A, Pahwa HS, et al. Comparative evaluation of outcomes in different techniques of mesh fixation in totally extraperitoneal hernioplasty. *Int J Abdom Wall Hernia Surg* 2021;4:64-9. (Impact Factor: 0.3)
5. Gaurav K, Anand A, Ahmad F, Agrawal MK, Kumar A, Sonkar AA. General Surgery in COVID: Challenges of a Government Sector Tertiary Care Medical University in a Developing Country and Lessons Learnt. *International Journal of Recent Surgical and Medical Sciences*. 2021 Jul 29.

doi: 10.1055/s-0041-1731980

12. Book/book chapter contributions

Book chapters

1. Minimally Invasive Thyroidectomy. Aarathi Vijayashankar, Akshay Anand, Abhinav A Sonkar. Taylor's Recent Advances of Surgery 40 th Ed 2021. Editors: Rachel Hargest, Michael Douek, Jaypee Publishers.
1. Non-MEN Syndrome (Chapter 63) - Textbook of Endocrine Surgery: A South Asian Perspective Authors – Kushagra Gaurav, Akshay Anand, Kul Ranjan Singh Taylor & Francis Group, CRC Press, Jan 2022, 1 st Edition

Editors: Anand Mishra, Amit Agarwal, Rajeev Parmeshwaran, Kul Ranjan Singh

2. Principles of Neck Dissection in Medullary Thyroid Cancer - IAES textbook of Endocrine Surgery Authors – Aarathi Vijayshankar, Kushagra Gaurav, Akshay Agarwal, Abhinav Arun Sonkar Under Print, Jaypee publishers

3. Thyroidectomy: ;

Authors – Kushagra Gaurav, Anand Mishra  
1 st edition, 2022, Jaypee publishers

4. Breast cancer – Synopsis of Surgical lectures

Authors – Rohan Kapoor, Kushagra Gaurav, Akshay Anand, Abhinav Arun Sonkar  
1 st edition, 2022, Mahi publishers ISBN: 978-93-91556-27-3

4. Principles of Wound Healing - Synopsis of Surgical Lectures". 2022.

Author : Dr Ajay K. Pal

Book

Synopsis of Surgical Lectures". 2022. 1 st edition, 2022, Mahi publishers ISBN: 978-93-91556-27-3

Editors: Dr. Jitendra Kushwaha, Dr. Ajay Kumar Pal

## Department of Surgical Gastroenterology & Human Organ Transplant Head of the Department: Prof. Abhijit Chandra

New equipment added were :Endoscopic Set Spy Glass ,Open & Laparoscopic Instruments,CUSA Probe .  
New Services /research facility addedwere:Liver Transplant (Live & Disease Donor Liver Transplant)  
,Endoscopy Flexible Surgery- including POEM,ESR, ESD, Rectopexy procedures ,Spy Glass ,ABG Test .

There is Dept. Recognition/Certification at State/National/International level.

Dr. Abhijit Chandra presented at International Podium Presentation in New Technology Section in International Conference (ASCRS 2022), Tempe, USA 28th April to 04th May 2022, ( Title: Endosonographic Extraperitoneal Ventral Suture Rectopexin High Risk Patients),IHPBA International Virtual Video Presentation American College of Surgeon, Clinical Congress October 23-27 2021, Oral Lecture Presentation, Virtual SAGES, USA, 2021 Aug 31- Sep 03 2021, Oral Presentation in International Conference (Virtual) on Prognostic Significance of Inhibitor of Apoptosis Protein in Gallbladder Cancer.

Principal Investigator in “ 16TMC-AMANA phase III, Multicentre randomized, Double Blind, parallel, Placebo Controlled induction study of Mirikizumab in conventional failed and biologic failed patients with moderately to severely active ulcerative colitis.

Sub Investigator. A Phase II randomised, double-blind, placebo controlled, parallel group, multi-centre study to evaluate the efficacy, safety and tolerability of TRC160334 as an add-on therapy to mesalamine in subjects with mild to moderately active ulcerative colitis. Study code: CT/P016/IBD/17/02\_01. SIRO / Torrent Pharma. National level :U P Gaurav Samman 2022, By Shri Asim Arun, Minister of State (Independent Charge) UP, Lucknow.

Department was awarded best Poster Award in Clinical Surgical Category, Research Showcase 2021, KGMU, UP, Lucknow (20th Nov 2021). IASGCON, 2021 is a Virtual Conference, Video Presentation .Stakeholder Workshop 02nd April 2022, Delhi, Video Presentation.IHPBA (2021) was held from 11-13 Feb 2022 Chandigarh Virtual, Asian Institute of Gastroenterology-PG Clinic (Moderator).

Co- Investigator was 3D generated markers for intra-operative planning of parenchymal transaction and middle hepatic vein reconstruction in living donor liver transplant. Research Project was approved with grant by DHR-MRU, Ministry of health, Govt. of India

The department was Nominated as Examiner in National Board of Examination, New Delhi, 5-7 March 2022. Department was nominated as expert to Conduct Inspection at Yatharth Hospital Noida for Liver Transplant on 28th May 2022. Dr. Vivek Gupta-at international level was principal Investigator. A Phase II randomised, double-blind, placebo controlled, parallel group, multi-centre study to evaluate the efficacy, safety and tolerability of TRC160334 was done as an add-on therapy to mesalamine in subjects with mild to moderately active ulcerative colitis. Study code: CT/P016/IBD/17/02\_01. SIRO / Torrent Pharma. Paper Presentation was done at American College of Surgeon Conference (Virtual) October 2022, USA National Principal Investigator. 3D generated markers were installed for intra-operative planning of parenchymal transaction and middle hepatic vein reconstruction in living donor liver transplant. Research Project was approved with grant by DHR-MRU, Ministry of health, Govt. of India. The department got chair Person & Best Poster Award at IASGCON, Kolkata 2022. It was the chair Person at Mid Term Meeting of Liver Transplant Society of India (LTSI 2022) At Nagpur.

Details of Faculty with active role on National/International institute /Industries/ Editors board/

Editorial Boards are :Dr. Abhijit Chandra (CLINICS - Official Journal of the University of Sao Paulo, Brazil) MEDICAL EXPRESS, Brazil British Journal of Surgery Indian Journal of Gastroenterology BMC Surgery Journal Neurology & Motility Indian Journal of Surgery World Journal of Gastroenterology Journal of Gastroenterology & Hepatology Reviewer of DCR)

Dr. Vivek Gupta (Reviewer for Transplantation of Surgery Reviewer for PLOS One).

Membership in Professional Body-(Dr. Abhijit Chandra:-Inspector Medical Council of India, Dr. Abhijit Chandra Association Surgeons of India (ASI) Indian Association of Surgical Gastroenterology (IASG) American Society of Colorectal Surgeons (ASCRS), USA International Hepato-Pancreato Biliary Association (IHPBA) Mediterranean Society of Pelvic Disease (MSPD), Egypt American Association for Cancer Research (AACR) USA American Copy Editor's Society (ACES), USA Liver Transplantation Society of India, AIIMS, New Delhi, India Association of Minimal Access Surgeons of India (AMASI) International Hepatobiliary-Pancreatic

Association (IHBPA) Indian Chapter

Dr. Vivek Gupta(Founder Member of Liver Transplantation Society of India.  
Associate member American College of Surgeon Association of Surgeons of India (ASI)  
Member American Society of Transplantation).

National/international awards/memberships/Fellowships received by Faculty, staff and students were as :Dr. Abhijit Chandra- 02  
(U P Gaurav Samman 2022, By Shri Asim Arun, Minister of State (Independent Charge) UP, Lucknow.) and Best Poster Award in Clinical Surgical Category, Research Showcase 2021, KGMU, UP, Lucknow (20th Nov 2021), Dr. Vivek Gupta-01 (Chair Person & Best Poster Award at IASGCON, Kolkata 2022)

By Student-03 awards were obtained Dr Bharat Sangal, SR (MCh.) (Participated in International Conference (ASCRS 2022) USA for Poster Presentation (Title: Prospective Evaluation of Ileal First Approach for Laparoscopic Right Hemicolectomy in Ileocecal Tuberculosis)), Dr Sanjay Tripathi, SR (MCh.) –(Best Poster Award in National Conference (IASGCON 2022) At Kolkata) ,Dr Pratik Shah- (SR MCh- Best Paper Award (e-Poster) in National Conference IASGCON 2021)

Patents were filed by Faculty members for Endoscopy/ Endoluminal Rectal Fixator.  
Name of Faculty members superannuated/obituary was Dr. Vishal Gupta, Resigned  
Name of new Faculty member Joined were Dr.Pritheesh Rajan, Dr Mahes R. , Dr Ravi Ashok Kumar Patel , Dr Ashish.

Eminent visitor was Dr. Sanjeev K. Patankar. (Consultant Colorectal Surgeon University Medical Centre of Princeton N.J. USA on 16th Feb 2022 ), Dr. Aparna Ranja, MD, USA , Dr. Anil Agarwal, MCh Examination, (Professor & Head, Dept. of GI Surgery, GB Pant Hospital, New Delhi),

Dr. Nagesh NS for PhD. Viva Examination Professor & Head, Dept. of GI Surgery & Liver Transplantation, BMC & RI, Bangalore, Dr Aravind K. Professor & Head Dept. of Surgical Gastroenterology, KIMS, Karnataka, Dr. Nisar Husain Hamdani, ( Professor & Head Dept. of Surgical Gastroenterology, Govt. Medical College Shrinagar J & K), Dr. Subhash Gupta, (Senior Liver Transplant Surgeon, Max hospital New Delhi ) , Dr. Shaleen Agarwal, (Senior Liver Transplant Surgeon, Max hospital New Delhi) , Dr. Rajesh Dey, (Senior Liver Transplant Surgeon, Max hospital New Delhi) , Dr. Vivek Yadav, (Senior Consultant, Max hospital New Delhi),

Dr. Shakeel Masood, (Professor Dept. of GI Surgery, RMLIMS, Gomtinagar, Lucknow) , Dr. N. Silwa Kumar, (Liver Transplant Surgeon, Apollo, Chennai) , Dr. Saket Kumar, (Additional Professor Dept. of Surgical Gastroenterology, IGIMS, Patna).

Value was added for enrichment program organized for Students/Faculty/Employees.

Teaching was done every Saturday for seminar and journal Club. Weekly Case Presentations, Audit & Mortality morning Teaching Rounds . Online Teaching was done every Monday evening. Clinical Case Presentation was done under Guidance of Dr Pitchumoni, Clinical Professor of Medicine, Robert Wood Johnson School of Medicine, Rutgers University, New Brunswick, NJ USA.

Every Monday Morning Case Presentation organised by Asian Institute of Gastroenterology under Indian Association of Surgical Gastroenterology.

Every Saturday Morning Case Presentation & Seminar Presentation by Prof. V K Kapoor, MGMC Hospital, Jaipur.

Other

COVID Care workshop & Training for Residents & Staff.

Bio Medical Waste Management Refresher Training for Staff.

Training of Staff of infection Control

Extension/Social outreach activities at department level- Yes

Organized awareness Camp/program for organ donation on 13th August 2021

COVID specific activities at department level- Yes

Established the COVID help desk and sticking awareness posters to spread awareness about corona virus and its prevention.

Departmental Faculty, SRs, Paramedical Staff and Forth Class staff actively involved in COVID duty.

Many project grants were received for International Clinical Trials.

Five best publications:

1. Natural Orifice Endosonographic Colposuspension With Rectopexy for Combined Pelvic Organ Prolapse: A Feasibility Study. Chandra A, Rajan P, Gupta V, Ahmad A, Parihar A, Yadav G, Singh U, Rajashekhara M, Patankar SK, Patel R. *Dis Colon Rectum*. 2022 Mar 1;65(3):e184-e190. doi: 10.1097/DCR.0000000000002286. PMID: 34856590.
2. Expression of Antimicrobial Peptides and Cytokines in Human Omentum Following Abdominal Surgery. Srivastava M, Chandra A, R R, Nigam J, Rajan P, Parmar D, Srivastava RN, Gupta V. *Cureus*. 2021 Aug 26;13(8):e17477. doi: 10.7759/cureus.17477. PMID: 34589365; PMCID: PMC8464651.
3. Gallbladder perforation: a single-center experience in north India and a step-up approach for management. Gupta V, Chandra A, Gupta V, Patel R, Dangi A, Pai A. *Hepatobiliary Pancreat Dis Int*. 2021 Sep 8;S1499-3872(21)00168-5. doi: 10.1016/j.hbpd.2021.08.011. Epub ahead of print. PMID: 34548226.
4. Missed pancreatic injury in patients undergoing conservative management of blunt abdominal trauma: Causes, sequelae and management. Gupta V, Singh Sodha V, Kumar N, Gupta V, Pate R, Chandra A. *Turk J Surg*. 2021 Sep 28;37(3):286-293. doi: 10.47717/turkjsurg.2021.5425. PMID: 35112064;
5. Safe laparoscopic cholecystectomy: Universal concept, concept universal teaching, Indian adoption. Gupta V. *Indian J Surg* 83,807–808 (2021). DOI 10.1007/s12262-020-02263
6. Scientific workshop/CME/Conference/Webinar organized by Department-Yes- Department organized Faculty Lecture on Current Status of Robotics in Surgery on 16th Feb 2022 by Dr Sanjeev Patanakar, N.J. USA

**Department of Surgical Oncology**  
**Head: Dr Vijay Kumar**

New equipment added those are ,CO2 Insufflator for Colonoscopy ,Open and Laparoscopic Surgical Instrument ,Ceiling Mounted OT Light with Camera and Recording system.

The Department of Surgical Oncology is recognized by the Medical Council of India for the MCh Surgical Oncology training programme with three seats per year. This has been increased to six seats from 2022 session. All seats are available on the basis of All India Entrance Examination.

National/ International awards/memberships/ Fellowships received by Faculty, Staff, and students:

Dr. Shiv Rajan has been awarded FACS fellowship (International Fellows - American College of Surgeons). Faculty members superannuated:

Prof. Arun Chaturvedi (Sep 2021) New Faculty member joined:

Prof. Arun Chaturvedi, rejoined as a faculty on contractual basis in 2022.

Scientific workshop/ CME/ Conference/ webinar organized by Department Those are Public Awareness Camp on Esophageal Cancer on 2nd April 2022, 3rd Floor, Shatabdi

Phase 2, KGMU, Lucknow Theme: Post-surgery care, patient perspective ,3rd Mid Term Conference Indian Society of Oncology on 9th and 10th April 2022 at

Hotel Clarks Avadh, Lucknow. Theme: Advances in Multidisciplinary Management of Advanced Cancers: Setting New Goals ,Symposium on Esophageal Cancer Awareness Month organized by the Department of Surgical Oncology on 22nd April 2022 at Gemini Continental Hotel, Hazratganj, Lucknow.

Theme: Surgical Consideration during Esophagectomy for Esophageal Cancer ,CME on Esophageal Cancer Awareness Month organized by the Department of Surgical

Oncology on 23rd April 2022 at Shatabdi Auditorium, 8th Floor, KGMU, Lucknow

Theme: A Multidisciplinary Approach for the Management of Esophageal Cancer

CME organised on CRC Management on 14th May 2022 at Kalam Center, Room No. 303, KGMU, Lucknow Theme: A Multidisciplinary Approach for the Management of Colorectal Cancer

COVID specific initiatives at departmental level :-Department has been actively providing cancer care during the COVID pandemic , even during the COVID lockdown and subsequently. Outpatients (Physical as well as Teleconsultation) and Inpatients facilities were provided. Elective cancer surgery was performed on a regular basis during this period.

#### Five Best Publications

1. Rajan S, Akhtar N, Sharma S, Chakrabarti D, Kumar V. COVID-19 vaccination for cancer patients: Evidence, priority, and practice. *Vaccine*. 2021 Jul 24. (DOI:10.1016/j.vaccine.2021.07.063)
2. Gupta S, Prakash P, Kumar V, Chaturvedi A, Misra S, Akhtar N, Rajan S, Agarwal P, Smith LM, Are C. Radical surgery for de novo gallbladder carcinoma-Single-center analysis of prognostic factors and survival outcomes from an endemic region. *J Surg Oncol*. 2022 Mar;125(4):631-641. doi: 10.1002/jso.26766. Epub 2021 Dec 11. PMID: 34894351.
3. Rajan, S., Akhtar, N., Sharma, S. et al. Predicting Complete Cytoreduction in Ovarian Cancer Patients by RECIST 1.1 Criteria Following Neoadjuvant Chemotherapy. *Indian J Gynecol Oncol* 19, 81 (2021). <https://doi.org/10.1007/s40944-021-00575-z>

### **Department of Transfusion Medicine** **Head:-Dr.Tulika Chandra**

New equipment/New services/New research facility added in the department - Pathogen Reduction Technology  
Department recognition/certification at State/National/International (like ISO certifications, any other) –  
Awarded 1st position for maximum blood collection in U.P. by SBTC

Details of Faculty with active role in National/International institutes/Industries/Editorial boards/any other (specify) – Vice President of ISTM (Indian Society of Transfusion Medicine)

National/International awards/memberships/fellowships received by faculty, staff and students – Dr. JG Jolly award (National Award) by ISTM (Indian Society of Transfusion Medicine)

Covid Warrior Awarded by ISTM (Indian Society of Transfusion Medicine)

Five best publications of the department - Enclosed

Any value added/enrichment program organized for students/Faculty/Employees- Bio Medical Waste, Cultural Programs, Slogan writing competition, Rangoli competition, Blood Donation Awareness Rally, Nukkad Natak etc.

Extension/Social outreach activities at Departmental level- Bio Medical Waste, Cultural Programs, Slogan writing competition, Rangoli competition, Blood Donation Awareness Rally, Nukkad Natak etc.

COVID specific initiatives at Department level Training/ Certificate courses- Established 1st Plasma Bank in U.P.

### **Department of Trauma Surgery** **Head: Prof Sandeep Tiwari**

New equipment/New services/New research facility added in the department: Thoracotomy Set Department received recognition by NMC for Post graduate course in Traumatology & Surgery

Details of Faculty with active role in National/ International institutes/ Industries/ Editorial boards- Association for the Advancement of Automotive Medicine (AAAM) membership: (Dr. Vaibhav Jaiswal) Prof. Sandeep Tiwari nominated as Co-ordinator in NMC to increase the MBBS seats in various Medical College, nominated for Member gradation of Trauma Center (UP), External examiner in M.Ch. exit exam Department of Trauma Surgery AIIMS New Delhi and PhD. Thesis, Faculty Selection and External examiner in M.Ch. exit exam Department of Trauma Surgery AIIMS Rishikesh Course director ATLS at GVKMRI Hyderabad, Received award for Excellent work in Trauma field by Hindustan Group, Poetry recitation and poetry in the Kavi Sammelan organized by Kamayani Sanstha.

Prof. Samir Mishra who is External examiner in M.Ch. exit exam Department of Trauma Surgery AIIMS New Delhi and PhD. Thesis. Faculty in charge of centre for advance skill development KGMU

Dr. Yadendra Dheer who participated in IAPSCON 2022 and gave oral presentation on 12 th Oct 2022 to 16 th Oct 2022

Dr. Vaibhav Jaiswal who did Instructor course in Critically ill surgical patient (CCrISP) from Royal College of Surgeon, London, ATLS Course Instructor, Received Fellowship of American College of Surgeon (FACS).

Dr. Anita Singh who is Nodal Officer Pharmacovigilance committee of KGMU, Received certificate of appreciation for Pharmacovigilance as organizing committee member.

Other achievements were, NMC approval of PG degree course “MS (Traumatology and Surgery)”, 1st Government institute in India to start such course. 05 junior resident/year, First Responder Training approved by WHO & MOHF, Dedicated Trauma Services with ATLS & CCrISP trained faculties for staff of UP



Trauma Surgery department trained 04 MHA Internship student of Lucknow University, Training of Lucknow University students in Trauma centre under MOU with Lucknow University, Trauma Surgery department trained 07 M.A. in Clinical Psychology student of Amity University of U.P. Lucknow Campus. Trauma Surgery department trained 07 students of the Social work department for fieldwork. The department cares for trauma needs of 40 million people of around 400 km area surrounding U.P.

National/ International awards/ memberships/ fellowships received by faculty, staff and student:- Dr. Narendra Kumar- International fellowships, Dr. Vaibhav Jaiswal – Membership of American college of surgeon (FACS), Membership of Association for the Advancement of Automotive Medicine (AAAM), Membership of European Society For Trauma & Emergency Surgery (ESTES), Dr. Vaibhav Jaiswal - ATLS Course Instructor

Details of Patents filled by Faculty members, Prof. Samir Misra- An Improved plate for mandibular angle fracture

Eminent visitors (National/International) to the department for any academic/research Activity

Dr Sandeep Kumar, Director of AIIMS (All India Institute of Medical Sciences)

Bhopal, Dr BN. Gangadhar President, Medical Assessment & Rating Board National Medical Commission, New Delhi, Prof. Amit Gupta, AIIMS, New Delhi, Prof. Subodh Kumar, AIIMS, New Delhi

Details of Extramural Project grants received –

Development of a Pediatric Trauma resuscitation Module (PTRM) and assessment of impact of Simulation-Based Training on outcome of Pediatric Trauma Patients at Level I, Trauma Centre in Northern India.

Five best publications of the department

- Neha Thakur, Vaibhav Jaiswal, Anita Singh, Narendra Kumar, Maitreyi Misra, Sandeep Tiwari, Samir Misra, Devesh Kumar Shukla and Yadendra Dheer, Epidemiology and pattern of injury of pediatric trauma patients in level I trauma centre of Northern India. Participant's perception of the AIIMS Trauma assessment and Management (ATAM) course for management of polytrauma; A multi-institutional experience from India.
- Bontha V B, Karthik V, A Ramesh, A Gupta, S Tiwari et al; journal of clinical orthopaedics and trauma 12 (2021) 130-137, Pancreatic Injury- A Case Series Analysis from a Level I Trauma Center, Narendra Kumar, Anita Singh, Yadendra Dheer, Sandeep Tiwari et al; IJS; vol 83; 2021; 144-148, Trauma Care in India: Capacity assessment Survey from Five Centres. Bontha VB, Karthik V, A Ramesh, A Gupta, S Tiwari, et al; JSR; August 2020; 156-168
- Life Quality Index Assessment in Breast Cancer Patients. Sanjiv Srivastava, Alpana Srivastava, Sandeep Tiwari, Anand K. Mishra, Indian Journal of Surgical Oncology (September 2019) 10(3):476–482.
- f) An Interventional Study on Comprehensive Emergency Care and Trauma Registry for Road Traffic Injuries in India: A Protocol, Bontha V. Babul\*, Karthik Viswanathan<sup>2</sup>, Aruna Ramesh<sup>3</sup>, Amit Gupta<sup>4</sup>, Sandeep Tiwari<sup>5</sup>, Babu U. Palatty<sup>6</sup>, Salish Varghese<sup>6</sup>, Yogita Sharma<sup>1</sup>; AJEM; 2019; 3(4):e50

Book/book chapter contributions

- (a) Prof. Samir Misra- Emergency Management of Trauma Patient and General Consideration (2021) (Maxillo facial Trauma - a clinical guide), Scientific workshop/ CME/ Conferences/ Webinar/ organized by department
  - (a) One day CME on Feb -2021
  - (b) Life Saving Program (Special Focus on COVID-19 Pandemic) To Provide Community Health Ambassadors (To the community) Under -AAAS (Aware, Alert, Action, Survival) on 30 of May 2021.
  - (c) ATLS training conducted in KGMU.
  - (d) Road safety training conducted for public and paramedical students in during road safety week.
  - (e) Transfer and rescue of trauma victim – training conducted for police personals, Disaster management groups and public.
  - (f) 11<sup>th</sup> Annual Conference of the Indian Society for Trauma & Acute Care (ISTAC®), 2<sup>nd</sup> Annual Conference of the UP Chapter of ISTAC®, ATLS Region XVI Annual Meeting - 2021
  - (g) Department of trauma surgery, Celebrated World Trauma Day on 17th October, 2021 & took an initiative for awareness for trauma prevention.
  - (h) One day international webinar on medical ethics & GCP on 05th December, 2021 (i) Road safety training conducted on 21/04/2022 to 22/04/2022 for Senior Resident, junior resident, Non P.G Junior Residents, paramedical staff, ETCT students, DOTT Students and MBBS (First year /

- (j) Second year/Third Year) student in during road safety week (18/04/2022 to 24/04/2022)  
 (j) Road safety training conducted in Fatima Hospital on 23/04/2022 for paramedical staff.  
 (k) Emergency Trauma Care Workshop and Training conducted on 27/05/2022 to 28/05/2022 for Faculty, Senior Resident, junior resident, Non P.G Junior Residents, paramedical staff, ETCT students, M.Sc. Nursing First year Students, ETCT demonstrator and ETCT students in during road safety week.

Any value added/ enrichment program organized for students/Faculty/ Employees

- (a) NMC approval of PG degree course “MS (Traumatology and Surgery)”.  
 (b) 1st Government institute in India to start such course. 05 junior resident/year Extension/Social outreach activities at Departmental level  
 (a) Participated in road safety awareness project with transport and traffic department

## Department of Urology

### Head of the Department: Prof. S. N. Sankhwar

New equipments added in the department were C-Arm Machine, Telescope 300 and Mini Perk Nephroscope .

Details of Faculty with active role in National/ International institutes/ Industries/ Editorial boards/ any other (specify) were Member, Executive Committee, UPUMS, Saifai 2022-2024. (Dr. S. N. Sankhwar) Associate Editor, Indian Journal of Urology, Official Journal of Urological Society of India, PubMed indexed: 2013-continuing. (Dr. Apul Goel) ,Academic Editor, Medicine. Published by Wolters Kluwer. Medicine® An open access publication covering original research across a broad spectrum of medical scientific disciplines and sub-specialties. 2018 onwards. (Dr. Apul Goel) ,Council Member of NZUSI 2021-2023 (Dr. Vishwajeet Singh) Council Member of UAU 2021-2023 (Dr. Vishwajeet Singh).

Many national/ International awards/ memberships/ fellowships were received by faculty, staff and students :Urology Masters Award 2020-21 in The Times of India held at Hyderabad on 05th Dec. 2021 by Dr. D. Dalela ,Dr. Sarinder Man Singh Endowment Award 2021 during its 31st Annual Conference North Zone Chapter of Urological Society of India, held at New Delhi from 17th to 19th Dec. 2021 by Dr. D. Dalela. 3rd Prize was received in Quiz in UAUCON – 2021 on 11th July, 2021 by Dr. Sashiraj Singh, Dr. Ravi Prakash Mishra & Dr. Ravi Lohani (M.Ch. Urology Residents). Any higher qualification was awarded to the Faculty (like PhD etc.).

Details of Patents filled by Faculty members were :Name of Faculty members superannuated/ obituary, Name of new faculty member joined ,Eminent visitors (National/International) to the department for any academic/research activity, Details of Extramural Project grants received.

Scientific workshop/ CME/ Conferences/ Webinar/ organized by department were CME on Interstitial cystitis (IC)/bladder pain syndrome (BPS) “BPS/IC” held at Seminar Room, Dept. of Urology, KGMU, Lucknow on 28th August, 2021, CME on “Metastatic Ca Prostate” held at Seminar Room, Dept. of Urology, KGMU, Lucknow on 04th September, 2021, CME on “UT/UC Upper Tract Urothelial Cancer” held at Seminar Room, Dept. of Urology, KGMU, Lucknow on 09th Oct. 2021, CME on “Hematospermia” held at Seminar Room, Dept. of Urology, KGMU, Lucknow on 27th Nov. 2021, CME on “Antenatal Hydronephrosis: Evaluation and Management” held at Seminar Room, Dept. of Urology, KGMU, Lucknow on 12th Feb. 2022, CME on “Male Infertility” held at Seminar Room, Dept. of Urology, KGMU, Lucknow on 12th March 2022.

CME on “Overactive Bladder” held at Seminar Room, Dept. of Urology, KGMU, Lucknow on 09th April 2022, CME on “Newer Dimensions in the Management of Renal Cell Carcinoma” held at Kalam Centre, KGMU, Lucknow on 30th April 2022, CME on “Role of Pazopanib in Advance Renal Cell Carcinoma” held at Seminar Room, Dept. of Urology, KGMU, Lucknow on 07th May 2022, CME on “How Effective is Denosumab Therapy in Prostate Cancer” held at Seminar Room, Dept. of Urology, KGMU, Lucknow on 08th Oct. 2022.

Five best publications of the department:

- [Singh Vishwajeet, Kumar Mukesh, Singh Gyanendra. Acquired labial synechia in a virgin reproductive-aged woman: presentation and management Urogynecol J. 2021 Jul 9. PMID: 34241660 DOI: 10.1007/s00192-021-04905-9](#)
- Gangwar Pravin Kumar, Sankhwar Satya Narayan, Pant Shriya, Singh Bhupendra Pal, Mahdi Abbas Ali, Singh Rajender, Male infertility is not linked with HSF1, HSF2 and UBE2I gene polymorphisms among Indian subjects Bioinformation 2021 Aug 31;17(8):715-720. Doi:10.6026/97320630017715. ECollection 2021.

Kumar Deepak, Bansal Navneeta, Gupta Ashish, Mandhani Anil, Hira Lal, Kumar Manoj, Sankhwar SN, Metabolomics of prostate cancer: Knock-in versus knock-out prostate J Pharm Biomed Anal. 2021 Oct 25;205:114333. doi: 10.1016/j.jpba.2021.114333. Epub 2021 Aug 25.

- Bansal Navneeta, Kumar Manoj, Sankhwar SN, Gupta Ashish Relevance of Emerging Metabolomics-Based Biomarkers of Prostate Cancer: A Systematic Review Expert Rev Mol Med. 2022 Jun 22;24:e25. doi: 10.1017/erm.2022.20. Published online by Cambridge University Press
- Joshi M, Andrabi SW, Yadav RK, Sankhwar SN, Gupta G, Rajender S. Qualitative and quantitative assessment of sperm miRNAs identifies hsa-miR-9-3p, hsa-miR-30b-5p and hsa-miR-122-5p as potential biomarkers of male infertility and sperm quality, Reprod Biol Endocrinol 2022 Aug 15;20(1):122. doi: 10.1186/s12958-022-00990-7.

Book/book chapter contributions of the department :

1. Diagnosis and management of underactive bladder, Underactive Bladder Booklet, Issue I, Medical Press, August 2021. (Chapter in book by Dr. D. Dalela)
2. Goel TC, Goel A. Co-author of "Adhunik Shalya Vigyan (Modern Surgery)" Uttar Pradesh Bhasha Sansthan, Lucknow. 2021. ISBN: 819493301-3; ISBN: 819493303-x; ISBN: 919493304-8. (Dr. Apul Goel)
3. Agrawal MS, Elhence A, Goel A. "Benign Prostatic Hyperplasia – A Clinician's Perspective". 2022, Knowledge Bridge, Mumbai. ISBN: 978-93-90748-48-8.. (Dr. Apul Goel)

## **Department of Thoracic Surgery** **Head: Prof. Shailendra Kumar**

New equipment were added in the department like common Surgical Instruments, Anaesthesia work station, Surgical work station, High end OT Table, Heart Lung Machine, Pulmonary function test Machine, Digital Thoracic drainage system.

Faculty with active role in National/ International institutes/ Industries/ Editorial boards/ any other (specify) were Prof. Shailendra Kumar -Editorial board member of National Journal of Maxillofacial Surgery.

Scientific workshop/ CME/ Conferences/ Webinar/ organized by department: Nil

Any value added/ enrichment program organized for students/ Faculty/ Employees: Nil

Extension/ Social outreach activities at Departmental level: Nil

COVID specific initiatives at Departmental level Training/ Certificate courses: Nil

Five best publications of the department

- Singh MK, Jain M, Shyam H, Sahu DK, Mishra A, Shankar P, Kumar S, Singh V: Association of severity and mortality of Covid-19 cases among acute kidney injury and sexual dimorphism. Mol Biol Rep. 2022, 49:6753-6762. 10.1007/s11033-022-07308-1
- Jain M, Singh MK, Shyam H, Mishra A, Kumar S, Kumar A, Kushwaha J: Role of JAK/STAT in the Neuroinflammation and its Association with Neurological Disorders. Annals of Neurosciences. 2022, 29:10. 10.1177/097275312111070532
- Singh MK, Jain M, Shyam H, Shankar P, Singh V: Associated pathogenesis of bladder cancer and SARS-CoV-2 infection: a treatment strategy. Virus disease. 2021, 32:613-615. 10.1007/s13337-021-00742-y
- Kumar A, Kumar S, Kushwaha J, et al. (August 31, 2021) Unusual Anterior Mediastinal Tumors Treated at a Tertiary Thoracic Center: A Case Series Analysis. Cureus 13(8): e17625. DOI 10.7759/cureus.17625
- Pradhan A, Bhandari M, Vishwakarma P, Kumar S, Rai A: Isolated Spontaneous Mesenteric Artery Dissection: A Rare Entity. The International journal of angiology: official publication of the International College of Angiology, Inc. 2021, 30:313-316. 10.1055/s-0040-1718544

Book/book chapter contributions:

- Kushwaha JK, Kumar S: Management of Varicose Veins. 2022:122-126. 10.9734 / bpi / etdhr / v3 / 1836B

- Kushwaha JK, Kumar S: A Study on “Sodiumtetradecyl Sulphate (STS) andPolidocanol (POL) to Treat Incompetent Tributaries of Superficial Veins of Legs” inPatients having Chronic Venous Insufficiency. 2022:113-118.10.9734/bpi/idmm

**Book/book chapter contributions:**

1. Kushwaha JK, Kumar S: Management of Varicose Veins. 2022:122-126. 10.9734/bpi/ etdhr/ v3/ 1836B
  2. Kushwaha JK, Kumar S: A Study on “Sodiumtetradecyl Sulphate (STS) andPolidocanol (POL) to Treat Incompetent Tributaries of Superficial Veins of Legs” in Patients having Chronic Venous Insufficiency. 2022:113-118. 10.9734/bpi/idmmr/v10/1830B
- Kumar Deepak, Bansal Navneeta, GuptaAshish, MandhaniAnil, Hira Lal, Kumar Manoj, SankhwarSN, Metabolomics of prostate cancer: Knock-in versus knock-out prostate J Pharm Biomed Anal. 2021Oct 25;205:114333. doi: 10.1016/j.jpba.2021.114333. Epub 2021 Aug 25.
- Bansal Navneeta, Kumar Manoj,Sankhwar SN, Gupta AshishRelevance of Emerging Metabolomics-Based Biomarkers of Prostate Cancer: A Systematic ReviewExpert Rev Mol Med. 2022 Jun 22;24:e25. doi: 10.1017/erm.2022.20. Published online by Cambridge University Press
  - Joshi M, Andrabi SW, Yadav RK, SankhwarSN, Gupta G, RajenderS. Qualitative and quantitative assessment of sperm miRNAs identifies hsa-miR-9-3p, hsa-miR-30b-5p and hsa-miR-122-5p as potential biomarkers of male infertility and sperm quality, ReprodBiol Endocrinol 2022 Aug 15;20(1):122. doi: 10.1186/s12958-022-00990-7.

**Book/book chapter contributions of the department :**

1. Diagnosis and management of underactive bladder, Underactive Bladder Booklet, Issue I, Medical Press, August 2021. (Chapter in book by Dr. D. Dalela)
2. Goel TC, Goel A.Co-author of “Adhunik Shalya Vigyan (Modern Surgery)” Uttar Pradesh Bhasha Sansthan, Lucknow. 2021. ISBN: 819493301-3; ISBN: 819493303-x; ISBN: 919493304-8. (Dr.Apul Goel)
3. Agrawal MS, Elhence A, Goel A. “Benign Prostatic Hyperplasia – A Clinician’s Perspective”. 2022, Knowledge Bridge, Mumbai. ISBN: 978-93-90748-48-8. . (Dr.Apul Goel)

**Department of Vascular Surgery  
Head: Prof Amrish Kumar**

New equipment/New services/New research facility were added in the department like in 2022: Inauguration of Department building on fourth floor of Heart Surgery Centre Allotment of new equipments for OT, ward and ICU. Allotment of manpower was done in process.

Department recognition/certification at State/ National/ International

Inauguration was on 27 th October 2022 – Department hand over was in procedure.

National/ International awards/ memberships/ fellowships received by faculty, staff and Students were as follows: Prof Amrish Kumar (Member ASI, IACTS), Dr. Amit Chaudhary (ASI, IACTS, STS (USA), ESVS, IMA, Red Cross society).

Value added/ enrichment program organized for students/Faculty/Employees were like

Surgical CME Programme in Department of General Surgery, 2022, Wet workshop on Vascular anastomosis in UPASICON 2022.

Five best publications of the departments

1. Kumar Amrish, Pandey Ajay Raghunath, Lower gastrointestinal bleeding due to iliac artery caecal fistula: A late presentation of blunt injury abdomen.. Indian J Vasc Endovasc Surg 2017 October– December Volume 4 issue 4, 209-10.
2. Kumar Amrish, Singh Vikas, Trans-axillary decompression of thoracic outlet syndrome: A single centre study in the journal of heart India, Heart India. July- Sept, 2019, vol 7, issue 3
3. Amrish Kumar, Shailendra Kumar, Jitendra Kushwaha, Vaibhav Raj, Archana Mishra, Unusual Anterior Mediastinal Tumors Treated at a Tertiary Thoracic Center: A Case Series Analysis. cureus 2021 Aug 31 13(8):e17625
4. Roopak Agarwal, Amit Chaudhary, Neha Maheshwari. Aggressive Fibroma of the Popliteal Fossa Presenting with Vascular Compression of Popliteal Vessels – A Rare Case Report. Saudi J Pathol Microbiol,

2020 5 (1), 4-6.

5. Khanna AK, Hakim MZ. The Management of Ischemic Limb in Thromboangiitis Obliterans (Buerger's Disease). *Indian Journal of Surgery*, 2021 Mar 27;1-9.

Book/book chapter contributions

Hakim MZ, Khanna AK. Approach to a Case of Vascular Malformation. In: *Vascular Malformations 2021* (pp. 37-47). Springer, Singapore.

## **Department of Conservative Dentistry & Endodontics** **Head: Prof Dr AP Tikku**

27 Dental chair units for undergraduate clinic were installed in 2022. Dr AP Tikku is the member of NAAC Peer Visit team for various dental institutes of India, Dr. Rhythm is the Editor for *Journal of Oral Biology & Craniofacial Research*, Elsevier publication and Assistant Editor for *Asian Journal of Oral Health & Allied Sciences*. Dr AP Tikku is the Senior most Endodontist In India, awarded at the Isthmus, Pune, March 2022, Dr Pragya Pandey is the Fellow of Pierre Fauchard Academy, India Section, Dr Rhythm is the member of Association of Medical Education in Europe (AMEE) and Life Member of Association of Health Educators (AHPE), India. Dr Rhythm was awarded Diplomate of Indian Board of Endodontics on October, 2022. Dr Nishi Singh joined the department on August 2022.

A 2nd National Intercollege Quiz Competition was conducted in a hybrid online-offline mode where teams of 30 colleges from all over India participated on 6th March, 2022. A CDE program on Composite Dentistry was organised with Guest Speaker Dr Deepak Mehta on 5th August 2022; more than 150 students and practitioners from Lucknow and nearby cities registered for the program. A CDE program on Ultrasonics in Endodontics was organised on 31st October, 2022 with Guest speaker Dr Vivek Hegde; more than 75 students and practitioners of Lucknow and nearby cities registered for the program. A series of Online Endo-Alumni lectures were held on last Monday of each month throughout the year (starting January 2022) where eminent alumni of our specialty delivered lectures on various clinical and research topics for the students. The online lectures were well attended by students from all over India.

National Student Exchange program was organised on 28th February to 5th March, 2022 where 23 postgraduate students from 9 dental colleges of various states of India participated. The program followed a structured format comprising of academic, clinical, extracurricular and cultural activities. Two School Dental Health Education camps were organized for students of Loreto convent in February, 2022. Dr AP Tikku, Dr Promila Verma, Dr Ramesh Bharti, Dr Rhythm and Dr Nishi Singh made students of primary and senior sections aware of the common dental health problems and their solutions. A Radio talk about awareness on dental health was organised by Dr AP Tikku, Dr Promila Verma and Dr Rhythm.

The department also compiled a step-by-step, ready to refer standard operating protocol for management of patients during the COVID-19 pandemic. All treatments are being carried out strictly as per COVID-19 guidelines. All faculty, residents, students, and employees have been trained for the same. Dr. Vijay Shakya, Associate Professor was active in COVID-19 training of doctors and employees and Dr. Pragya Pandey, Associate Professor is a member of COVID-19 HR committee.

### Five best Publications:

1. Johri S, Verma P, Bains R, et al Human amniotic membrane as therapeutic agent in pulpotomy of permanent molars *BMJ Case Reports* CP 2021;14:e243414.
2. Tandon J, Yadav RK, Tikku AP, Shakya VK, Singh SK. Comparative evaluation of different irrigating and irrigant activation system in removal of gutta-percha/sealer during retreatment: An in vitro Micro-CT study. *J Oral Biol Craniofac Res*. 2022 Jul-Aug;12(4):444-448.
3. Tikku AP, Bhatt MLB, Painuly NK, Bharti R, Bains R, and Misra S. (2021) Shear bond strength analysis and marginal gap evaluation of restoration-tooth interface of aesthetic restorations after simulated Co-60 gamma irradiation. *Journal of Radiotherapy in Practice* page 1 of 6.
4. Yadav RK, Bharti D, Tikku AP, Verma P, Shakya VK, Pandey P. Comparative evaluation of remineralizing effect of fluoride and nonfluoride agents on artificially induced caries using different advanced imaging techniques. *J Conserv Dent* 2022;25:26-31

**Department of Oral Medicine & Maxillofacial Radiology**  
**Head: Dr. Ranjitkumar Patil**

Five dental Chairs were added in the department in 2022. Dr. Vikram Khanna is in the Editorial board of Journal of Oral Biology and Craniofacial Research. Dr. Vikram Khanna received Fellowship of ICD. Dr. Vasu S Saxena delivered guest Lecture in webinar conducted by the department on 9/11/2022. Dr. Akhilanand Chaurasia received grant for his project on "Quantitative Analysis of Interferon- $\gamma$  and Interleukin-4 level in Serum and saliva of oral lichen planus patients" sanctioned by Council of Science and Technology (U.P) Lucknow. A Webinar was organised on "Additive Manufacturing in Dentistry : Fill the 3D Gap" conducted by the department on 9/11/2022. A Webinar was organised on Radiology day.

Five best publications of the department:

1. MT Teh, H Ma, YY Liang, MC Solomon, A Chaurasia, R Patil, SA Tekade Molecular Signatures of Tumour and Its Microenvironment for Precise Quantitative Diagnosis of Oral Squamous Cell Carcinoma: An International Multi-Cohort Diagnostic Validation study. *Cancers* 2022, 14(6), 1389; <https://doi.org/10.3390/cancers14061389>. (IF- 6.63).
2. Vandana Singh, Subash Singh, Ranjitkumar Patil, Anurag Tripathi, Vikram Khanna, Wahid Ali. Diagnostic Significance of Serum and Salivary Lipid Levels in Oral Pre-Cancer and Oral Cancer. *National Journal of Maxillofacial Surgery*. 2021 May-Aug; 12(2):188-192
3. Ranjitkumar Patil, Akhilanand Chaurasia, Saman Ishrat, Rini Tiwari Oral Symptoms and Oral Health Related Quality of Life in Patients with Grinspan's syndrome: A questionnaire based cross sectional study. *Saudi J Med* (2021) 6(6):137-142.
4. The Morphometric Analysis of Mandibular Condyle, Coronoid Process and Body of Mandible in Different Malocclusions in 3D CBCT. *Saudi J Oral Dent Res* (2021) 6(10):450-461.
5. K Singh, P Chand, A Chaurasia, N Solanki, A Pathak, A randomized controlled trial for evaluation of bone density changes around immediately and nonfunctionally loaded implants using three-dimensional cone-beam computed tomography. *The Journal of Indian Prosthodontic Society* 22 (1), 74-81.

Book/book chapter contributions:

- Dr. Vikram Khanna contributed a book chapter in Textbook of Oral Medicine and a Book Chapter on Salivary Gland Diseases. 2021
- Dr. Vikram Khanna contributed a book chapter in Burket's Oral Medicine and a Book Chapter on Tongue diseases. 2022.

**Department of Oral Pathology**  
**Head: Prof Shaleen Chandra**

CO<sub>2</sub> Incubator was installed in the department in 2022. Dr Shaleen Chandra is the Editorial member in Oral biology and Craniofacial Research, Dr Diksha Singh is the editorial member in International Journal of Dentistry Research, Dr Fahad M. Samadi is the Member of Faculty of Dental Surgery of the Royal College of Physicians and Surgeons of Glasgow, Dr Priyanka Singh is the editorial member of International Journal of Dental Sciences and Innovative research and Chief Editorial member of the book "Recent research in Medical and Life sciences" by MKSES Publications. Prof Shalini Gupta received first position in paper presentation at First Biennial Symposium of AFOHR, Dr Diksha Singh received Life membership of IDA, Dr Priyanka Singh received 'Best Young Researcher' award in National Conference on Advancements in Interdisciplinary Research (July 29<sup>th</sup> -31<sup>st</sup>, 2021). The department was visited by Prof Aaditya B Urs, Prof Augustine S, Prof Thamizhchelvan, Prof Rohit Jaiswal, Prof Nanda Prasad Shetty for several research and academic purposes. Details of Extramural Project grants received

Prof Shalini Gupta received grant for Evaluation of degradation pattern of different RNA types and gene expression (messenger RNA: HIF1 $\alpha$ , GAPDH,  $\beta$ -Actin, micro RNA: MIR 143, MIR 125, ribosomal RNA: 18s RNA) in human dental pulp tissue under varied temperature & storage time interval: Development of an efficient Post Mortem Interval (PMI) estimation method submitted to ICMR as Principal Investigator (2021-2024). She also received grant for the project "Dentistry on wheels - Awareness/onsite treatment program for Oral pre-cancer / cancer for rural population near capital region of north Indian state Uttar Pradesh using mobile dentistry van" as Principal Investigator, (DST, New Delhi, India). (2021-2022)

The department organized a National Webinar on “Locally aggressive lesions of Head & Neck” on 18th August 2021. Continuing Dental Education was also organized by Department of Oral Pathology & Microbiology, KGMU, Lucknow on 21st October 2021

Various Competitions (Soap carving, Collage making, Quiz, Slogan rhyming, Slide identification test) were organised in CDE for Undergraduates & Post-graduates on 21st October 2021. 7 dental check up in outskirts of Lucknow for pre-cancer and cancer screening and awareness along with awareness on general Hygiene and social causes were organised. Oral Cancer Detection Camp was organised at Lucknow cancer Institute. Dr Diksha Singh is the Faculty Incharge of Corona Control Room, KGMU since August 2020, Administrative Faculty Incharge of RALC and Nodal officer at Vaccination centre. Dr Fahad M. Samad conducted Workshop on “Covid – 19 Training” held at KGMU, Lucknow on May, 2020, he is Appointed as Nodal Officer (Procurement) for Dental Faculty (During Corona Crisis) May, 2020, he is also appointed as Faculty In-charge at Integrated Coronal Control and Command Centre (ICCCC), LalBagh, Lucknow August, 2020, Faculty Incharge RALC A2 Isolation ward from 22-12-2021 till 04-01-2021 and Administrative Faculty Incharge Covid Ward from 25-05-2021 till 07-06-2021. Dr Priyanka Singh is the Faculty Incharge of Corona Control Room, KGMU since August 2020, Administrative Faculty Incharge of RALC ICU B from 28-5-21 to 10-6-21, Nodal officer at Vaccination centre, KGMU from 8-6-21 to 21-6-21, Administrative Faculty Incharge of RALC A2 Post-covid & Mucormycosis ward from 6-7-21 to 19-7-21.

#### Five best publications of the department

1. Singh S, Singh J, Ganguly R, Chandra S, Samadi FM, Suhail, S. Diagnostic efficacy of neutrophil to lymphocyte ratio (NLR) in oral potentially malignant disorders and oral cancer. *Indian J Pathol Microbiol* 2021; 64: 243-249.
2. Nigam K, Gupta S, Gupta OP, Srivastav RK, Singh SP, Sanyal S. Alteration of the risk of pre-oral cancer and cancer in North Indian population by NAT1 and NAT2 polymorphisms genotypes and haplotypes. *Eur Arch Otorhinolaryngol*. 2021 Apr 4. doi: 10.1007/s00405-021-06774-w. Epub ahead of print. PMID: 33813602.
3. Prevalence of dental caries in the Indian population: A systematic review and meta-analysis. *Journal of International Society of Preventive and Community Dentistry*; Pragyaa Pandey, Tanya Nandkeoliar, A. P. Tikku, Diksha Singh, Manish Kumar Singh 2021; 11(3) – Original research – Pub Med indexed
4. Diagnostic efficacy of neutrophil to lymphocyte ratio (NLR) in oral potentially malignant disorders and oral cancer. *Indian Journal of Pathology and Microbiology*, 2021; 64: 243 - 249.
5. A Study on Association of Age, Gender, and Body Mass Index with Hematological Parameters. *Journal of Indian association of Public Health Dentistry* 2021; 19(2): 109-114.

#### Book/book chapter contributions:

- Dr Diksha Singh – Co-authored two chapters : “Avoiding Dog Bite” Handbook on Prevention and Management of Rabid Animal Bite - Medicolegal issues with regards to Human Behaviour towards Pets / Stray dogs GOWBELL publications ISBN 9788195201808
- Dr Priyanka Singh - Current trends in identification of Oral Cancer. Recent research in Medical and Lifesciences by MKSES Publications

## Department of Oral and Maxillofacial Surgery Head: Prof Shadab Mohammad

New equipment/New services/New research facility added in the department

New Equipments added in the department are :

- 3D face scanner
- intraoral scanner

New Research Facility added in the department :

- Skill laboratory

2. Department recognition/certification at State/ National/ International (like ISO certifications, any other)

- Department is ISO 9001 certified
- Department is approved by Royal College of Surgeons of Glasgow(U.K) and Ireland
- 2 nd Rank in Times of India and Outlook
- 5 th NIRF ranking Faculty of Dental Sciences ranked
- Best Dept Award , IQAC , KGMU

3. Details of Faculty with active role in National/ International institutes/ Industries/ Editorial boards/ any other (specify)

Prof. Shadab Mohammad

- Fellow of Faculty of Dentistry , Ireland (FFD RCSI)
- Fellow of Royal College of Physicians and Surgeons, Glasgow,U.K ( FDS RCPS)
- Member of Royal College of Physicians and Surgeons, Glasgow,U.K (MFDS RCPS)
- Fellow Academy of Medical Sciences, New Delhi
- Chief Editor : TRAUMAXILLA
- Advisor : Heal Talk Journal
- Managing Editor : JBR Journal of Translational Space dentistry, Medicine and Exploration (JBR-TSME)
- Advisor : National Journal of Oral & Maxillofacial Surgery ( Pubmed Indexed)
- Advisor : Journal of Oral Biology & Craniofacial Research ( Pubmed Indexed)
- Reviewer Editorial Board: Indian Journal of Dental Research ( Pubmed Indexed)
- Member Editorial Board: Journal of Oral Surgical Acta
- Member Editorial Board: Trauma and Emergency care
- Managing Editor: International Journal of Dentistry Research

Prof.RK Singh

- Appointed as Dean , FODS,KGMU 2021 till Aug 2022 ( Retired on 31 st August 2022)

Prof.Divya Mehrotra

- Fellow of Royal College of Physicians and Surgeons, Glasgow,U.K ( FDS RCPS)
- Editor In Chief Journal of Oral biology and Craniofacial Research
- Fellow Academy of Medical Sciences, New Delhi

Prof.Vibha Singh

- Member National Academy of Medical Sciences, New Delhi

Prof.US Pal

- Editor In Chief National Journal of Maxillofacial Surgery
- Co Ordinator Dental Implant Course, Aligarh

Dr. Amiya Agrawal

- Executive editor in journal: The Traumaxilla | SAGE Publications
- Reviewer: Journal JOBCR
- Member of National Academy of Medical Sciences, New Delhi

Dr. Arunesh Kumar Tiwari

- Executive editor in journal: The Traumaxilla | SAGE Publications
- Reviewer: Journal JOBCR
- Member AOCMF

4. National/ International awards/ memberships/ fellowships received by faculty, staff and students Prof. Shadab Mohammad

- Felicitation at UPAOMSI conference , Indore 2022
- Felicitated as Guest of Honor and Guest Speaker at Pankosmia Health & Talent Summit , Chandigarh 2022
- Lifetime Achievement Award World Dental Sciences & Oral Health Conference, KGMU 2022



- Felicitated as Guest of Honor at National Symposium of Conservative Dentistry & Endodontics Prof. Divya Mehrotra
  - Listed among top 2% world ranked scientist as per Stanford University Ranking
- Prof. Vibha Singh
- Third position in Poster Presentation at ACOMS 2022
  - Prof. Hari Ram
  - Elected President of Oral & Maxillofacial Surgeons of India.
  - Milestones Achievers Award
  - Appointed as DCI Inspector at various Dental Colleges
- Dr. Geeta Singh
- Life Member of Association of oral and Maxillo-Facial Surgeons of India
- Dr. Amiya Agrawal
- Member of National Academy of Medical Sciences, New Delhi
- Dr. Arunesh Kumar Tiwari
- AO CMF Membership
  - Global Faculty Award
5. Any higher qualification awarded to the Faculty (like PhD etc.) Nil
6. Details of Patents filled by Faculty members
- Designation at point of production. (Intellectual property of India app.no.202111002229)
7. Name of Faculty members superannuated/obituary
- Dr. R.K. Singh (Professor) Superannuated on 31 st August 2022
8. Name of new faculty member joined
- No New Faculty joined
9. Eminent visitors (National/International) to the department for any academic/research activity No Eminent Visitor visited
10. Details of Extramural Project grants received Dr. Shadab Mohammad
- Development of Nanotechnology based Drug Delivery system loaded herbal medicinal plant against Oral bacteria, ICMR, New Delhi Grant Sanctioned Rs. 1224000/-

#### INVESTIGATOR

- Impact of locally consumed tobacco products for general and specific carcinogenicity and screening of patients with oral pre cancer and cancer for polymorphism in DNA base excision repair genes, ICMR, New Delhi Grant Sanctioned Rs. 20,60000/-

#### INVESTIGATOR

Dr. US Pal

- Evaluation of Social Media in screening of early diagnosis of Oral Cancer DST, New Delhi Grant Received Rs 3000000

#### INVESTIGATOR

- Clinical histopathological evaluation of ayurvedic formulations in management of OSMF Ayush Grant Received Rs 2000000/-

#### INVESTIGATOR

Dr. Arunesh Kumar Tiwari

- Baseline data generation of time period from admission to discharge, of the admitted patients of oral and maxillofacial surgery as one of the quality indicators for quality control purposes: An observational study. (DHR MRU)

#### COINVESTIGATOR

- Trauma Shock, the Psychological Perspective of Maxillofacial & Non-maxillofacial Trauma: A Cross Sectional Triple Arm Comparative Analytical Study.

#### COINVESTIGATOR

11. Five best publications of the department

- Amiya Agrawal, Arunesh Tiwari, Shadab Mohammad et.al. Covid 19 Lockdown was not an impeding factor for road traffic accidents- an account of Maxillofacial Trauma Spectrum due to RTA and its demography IJDSIR Volume 5 Issue 3 June 2022 : 203-08
- Jain DK, Pal US, Mohammad S, Mehrotra D, Katrolia R, Shandilya S, Yadav L, Tiwari AK. Comparative evaluation of extrasinus versus intrasinus approach for zygomatic implant placement, JOBCR

2022,12(6):863-872

- S Gupta,D Mehrotra,S Mohammad,V Singh,A Kaur,BK Ojha.Patterns of Orbital Fracture needing Surgical Reconstruction in a Large Tertiary Hospital in Northern India.Craniomaxillofacial Trauma and Reconstruction open 2021;6: 2472751221999163
  - Tiwari AK,Agarwal A,Singh G, The Incidence of Plate Removal in Maxillofacial Trauma Patients : A Retrospective Study.IJSR 22 ;11(01)22-23
  - Tiwari AK,Agarwal A,Kanna V The spectrum of maxillofacial injuries recorded in tertiary care centre ,UP. JDSIR 2022;5(2)245-52
12. Book/book chapter contributions  
Dr. Shadab Mohammad
- Nicotene Therapy ISBN 978-81-8445-289-1, Peepee Publishers and Distributors New Delhi
- Dr. Vibha Singh
- One book Chapter
13. Scientific workshop/ CME/ Conferences/Webinar/ organized by department
- Trauma Gallery
14. Any value added/ enrichment program organized for students/Faculty/ Employees
- 3D Medical device designing elective course (hybrid)
15. Extension/Social outreach activities at Departmental level
- Organization of several Health camps
16. COVID specific initiatives at Departmental level Training / Certificate courses
- Covid 19 Training workshop for Faculty, Residents , Research Staff and all employees

## **Department of Paediatric and Preventive Dentistry** **Head of the Department: Dr. Rajeev Kumar Singh**

Dr. Richa Khanna received membership of Royal College of Surgeons – Glasgow and she has been appointed resource faculty in Certificate course for Health Professional education organized by Indian Prosthodontic Society. She was also appointed as Resource faculty for PG revision classes, Training of Teachers organized by ISPPD. Dr. Rakesh Kumar Chak (Ex. Professor and Head) was superannuated on 06/07/2021. Dr. Nikhil Srivastava, Dr. Seema Thakur, Dr. Joby Peter, Dr. MS Muthu, Dr. Srinivas Namineni conducted pre-conventions workshop on 7th April 2022 as Part of 18th National PG Convention of Indian Society of Paediatric and Preventive Dentistry. The department organized 18th National PG Convention of Indian Society of Pedodontics and Preventive Dentistry from 7-9 April 2022. The department organized an Inter-college poster and quiz competition on 13/12/2021. The department has conducted several oral health awareness camps in various schools. The department also collaborated with Indian Society of Dental Traumatology (ISDT) and got associated with EMIT (Emergency management of Injured teeth) programme to increase awareness regarding prevention and emergency management of dental trauma in different sections of societies (Including children, parents, and school teachers).

Best Departmental publications:

1. Vivek Mehta, Anupma Raheja , Rajeev Kumar Singh. Conservative management of long-standing traumatised maxillary central incisor with incomplete apex and severe internal resorption using triple antibiotic paste, mineral trioxide aggregate and fiber-reinforced composite. *BMJ Case Rep* 2021;14;14(10):e244818 doi: 10.1136/bcr-2021-244818.
2. Rakesh K Chak, Rajeev K Singh, Jhansi Mutyala, Nidesh K Killi . Clinical Radiographic Evaluation of 3M Mixtatin and MTA in Primary Teeth Pulpotomies: A Randomized Controlled. *Int J Clin Pediatr Dent* 2022;15 (Suppl 1):S80-S86.
3. Gupta G, Agarwal A, Ansari AA, Singh RK. Non-surgical management of a large periapical lesion with internal resorption using PRF, hydroxyapatite and MTA. *BMJ Case Rep.* 2022 Sep 16;15(9):e248907. doi: 10.1136/bcr-2022-248907. PMID: 36113960

## Department of Periodontology Head: Prof Nandlal

The Department of Periodontology added three new equipments- 01 Soft tissue Laser, 01 Perfect Tissue Contouring System and 02 Autoclave in this department (August, 2021). Prof. Pavitra Kumar Rastogi was elected as President of U.P. State Dental Council of India and Prof. Rameshwari Singhal was re-elected as E.C. Member of Indian Society of Periodontology (ISP), for 2021-22, she was also invited as Guest Faculty in AIIMS Jodhpur from 21st -24th March, 2022 as resource faculty for the Certificate course Healthcare Professional Education (CCHPE) conducted by Indian Prosthodontics Society and

Five Best Publications:

1. Sharma S, Gupta A, Kumar Verma A, Pathak A, Verma S, Chaudhary SC, Kaushal S, Lal N, Kant S, Verma UP. Impact of non-surgical periodontal therapy on pulmonary functions, periodontal health and salivary matrix metalloproteinase-8 of COPD patients with chronic: A clinico-biochemical study. *Turk Thorac J.* 2021; 22(4): 324-332. DOI: 10.5152/TurkThoracJ.2021.20096 (0.985 IF)
2. Kumar V., Singhal R., Rastogi P., Lal N., Pandey S., Mahdi A A. Localized probiotic-guided pocket recolonization in the treatment of chronic periodontitis: a randomized controlled clinical trial. *J Periodontal Implant Science.* 2021 Jun; 51(3): 199-212.
3. Dr Pradakhshana Vijay, Dr Mohd. Parvez Khan, Dr Pavitra Rastogi, Dr Sanjay Saraf, Dr Nilesh Pardhe, Dr. Priyanka Singh, "Rate of malignant transformation in Leukoplakia: A meta-analysis", *IJMSIR*-August-2021, Vol-6, Issue-4P.No. 109-112.
4. Dr. Manisha Verma, Dr. Mohammad Abdurrahman Khan, Dr. Anjani Kumar Pathak, Dr. Nand Lal, Dr. Shalini Kaushal and Dr. Aehad UI Haque, Gingival Depigmentation Using Simple De-Epithelization By Bur Abrasion Technique - A Case Report, *Int. J. Adv. Res.* 10(06), 484-488, Article DOI: 10.21474/IJAR01/14913
5. Ishita Joshi, Ayan Saxena, Shalini Kaushal, & Prof. Nand Lal. (2022). Crown Lengthening As An Aesthetic Procedure: A Case Report. *A Journal of Advanced Dentistry Updent*, 11(02), 38-40. <https://doi.org/10.4880/zenodo.7838393>

## Department of Prosthodontics, Crowns & Bridges Head: Prof. Pooran Chand

12 new dental chairs were installed in Department and Smart TV screen was installed in the seminar room. Dental physiodispenser was installed with contribution of resident and faculty.

Three unit new ultrasonic scaler were installed for patient care.

3 special clinics- Obstructive sleep apnea clinic, TMD Clinic and Divyangjanj Clinic/OPD facility were started in department. The department has been ISO certified since 5 years.

Most of the faculties have contributed as a peer-view reviewer and board of the editorial in different reputed national and international journals.

Dr. Balendra Pratap Singh has been awarded ICP best clinical research award by International college of Prosthodontists, USA, Dr. Kamleshwar Singh has been awarded 2nd place in JIPS-RCT competition, Dr. Mayank Singh has been awarded Fellowship by Academy of oral implantology, Dr. Shuchi Tripathi has been awarded Membership, Dr. Shuchi Tripathi has received certificate course for health Professionals in education. Dr. Pooran Chand has 1 Patent granted, 2 patents filed and 2 copyrights filed under her name. The Ex-professor and Head, Prof. N. K. Agarwal passed away in December 2021. Dr. Sabita M Ram, Dr. Manu Rathee, Dr. Veena Jain, Dr. Shivranjali Gali and Dr. Vijendra Kumar Arora visited for academic activity to the department. The department received ICMR Extramural Project grant. 2 CME and 2 Webinar were organized by department. Free dental examination and awareness camp was organized in remote areas with the help of different NGOs. Faculty of dept was actively involved in covid 19 pandemic - Donning/doffing, sample collection.

Five best publications published in high impact factor journals:

## Department of Public Health Dentistry Head: Dr Vinay K Gupta

Ultra Sonic Cleaner was added in the department on 28/07/2021 and Pulp Tester was added on 12/08/2021. Department has been nodal center for "Training of trainers on Oral Health and wellness centers" for training of Community Health Officer and Health care workers in collaboration with JHPIEGO.

Dr. Sumit Kumar was Guest lecturer at C.L. Gupta Institute of Public Health, Lucknow University, Dr. Vinay Kumar Gupta is awarded FICD Fellowship, Dr. Gaurav Mishra is awarded "Excellence in Dental Education and Research in India" by Star Time Media Group during National Healthcare Service Excellence Award on 28th June 2021 and Dr. Sumit Kumar is awarded "Best Rural Dental Service Award" by Star Time Media Group during National Healthcare Service Excellence Award on 28th June 2021.

The department was visited by Dr. Vikrant Mohanty, Associate Professor & Head department of Public Health Dentistry, Maulana Azad Institute of Dental sciences, New Delhi on 3/09/21 and 4/09/21 and Dr. M. Padma Reddy, Professor, department of Public Health Dentistry, Panineeya institute of Dental science and hospital, Hyderabad on 3/09/21 and 4/09/21 for academic/research activity.

A State level webinar on "World No Tobacco Day" was organized by department of Public Health Dentistry, FODS, KGMU on 31st May 2021. "Training of trainers on Oral health and wellness centers" was done by department of Public Health Dentistry, FODS, KGMU, in collaboration with JHPIEGO on 28th June to 3rd July 2021. Oral Health Training of CHO and HCW was organized by department of Public Health Dentistry, FODS, KGMU, in collaboration with JHPIEGO from 17.08.21 to 23.09.21.

Department Organized Interns Competition on "Use of Social Media & Oral Health" on occasion of World Oral Health Day, 20th March 2021. Total 09 Outreach activities/camps conducted by the Department during 2021 in which 496 persons were benefited. YouTube channel with name of Public Health Dentistry, KGMU was launched by Department on occasion of World Oral Health Day 20th March 2021.

Dr. Gaurav Mishra completed COVID-19 isolation wards duty (IDH-isolation 3rd floor) at KGMU from 19th April to 2nd May 2021, Dr. Vinay Kumar Gupta completed COVID-19 isolation wards duty (IDH-isolation 2nd floor) at KGMU from 05th May to 21st May 2021, Dr. Gaurav Mishra served as Covid-19 Duty Administrative In-charge of Gandhi Ward-2 from 11-05-2021 to 24-05-2021, Dr. Sumit Kumar served as Covid-19 Duty administrative In-charge of IDH ICU from 19-05-2021 to 02-06-2021, Dr. Gaurav Mishra participated in "All India Radio's Covid special programme", "Jeet Jayenge Geet Gayenge." The programme was aired on June 4th and 5th June, 2021.

### Five best Publications of the Department:

1. Singh P., Malhotra S., Agarwal N., Mishra G., & Dubey, H. Prevalence of oral mucosal lesion in peri-urban area of Lucknow city (Uttar Pradesh). *University Journal of Dental Sciences* 2021;6(3):63-67.
2. Amit Shah, Gaurav Mishra, Pallavi Singh, Pankaj Kumar Singh, Vaibhav Krishna Singh, Gargi Nimbalkar. Knowledge, Attitude and Practice towards Prevention of Peri-Implant Infection and Inflammation: A Cross-Sectional Descriptive Survey. *International Journal of Research and Pharmaceutical Sciences*, 2021, 12(1), 718-723.
3. Malhotra S, Singh P, Dubey H, Mishra G, Agarwal N. Awareness of Smokeless Tobacco Among Professionals with Sedentary Lifestyles - A Cross Sectional Study. *Journal of Indian Association of Public Health Dentistry* 2021;19:55-60.
4. Vinay Kumar Gupta, Shatakshi Tripathi, Dr. Nishita Kankane, Dr. Gaurav Mishra, Dr. Sumit Kumar, Dr. Seema Malhotra. Myths Related to Dentistry in People of Lucknow: A Cross-sectional Study. *Saudi J Oral Dent Res*, 2021, 6(3): 123-128.
5. Kumar M, Mishra G, Vaibhav R, Priyadarshini S, Simran, Turagam N. Assessment of knowledge about ergonomics and determining musculoskeletal disorders in dentists: An original research. *Journal of Pharmacology and Bioallied Sciences* 2021;13:S391-4.

## Future Plans of the University

King George's Medical University shall continue to strive for excellence, maintaining and sustaining the current achievements. We intend to strengthen on our learner centric activities to enhance teaching learning outcomes, improve outpatient care facilities, and the research output.

In the current times, Education is witnessing transformation and we as a facilitator, need to update ourselves with these dynamic changes to allow students, residents, and faculty to redefine the culture of medicine. King George's Medical University plans to restructure learning environments, expand humanities requirements, and emphasize students' longitudinal continuity-of-care relationships with patients. Our small steps towards continued improvement in our curriculum, making it competency based with emphasis on concise and clearly stated, observable and measurable, learning outcomes and steps to be taken for their assessment, have already started through the revision in medical curriculum.

Medical education's challenges are becoming increasingly obvious and we plan to develop best practices to ensure that our learning objectives are not only applied to increasing knowledge, but also to improving comprehension and understanding, application, analysis, evaluation and synthesis. Used appropriately, a combination of multiple-choice examinations and simulation-based educational and evaluative methodologies can provide formative and summative assessment across the programs to emphasize improved quality of care and patient safety. King George's Medical University is planning regular faculty development programs and aligning appropriate rewards for improved teaching. Our goal is to get beyond the barriers to real quality improvement in all aspects of medical education curricula and graduate medical education programs, with integrated teaching and incorporating innovations in medical education. Globalisation of our medical education, increasing international exchanges and thus global exposure is in the plan and we shall take every step together in this direction

Patient care is a core area of healthcare services provided by the University. We intend to expand and upgrade our existing 'Patient management system' to create 'one window' access for all patients or at least minimize multiple access points for their convenience. We would also wish to lead in amalgamating technology to healthcare in different aspects. We plan to have collaborations seeking integration of artificial intelligence based technologies to affordable healthcare delivery. This integration can be across diagnosing, investigating and intervening for different health problems of diverse magnitude. We shall support innovations and encourage industry partnerships for the same. This amalgamation would seek feasible, pocket friendly innovations in healthcare.

Research has been a strength of King George's Medical University, with highly cited publications from faculty and also number and total of extramural research grant support. We plan to strengthen upon these parameters by setting up opportunities for translational research that can have a direct societal benefit. We intend to support faculty and students for the same and encourage collaborations

We also plan to strengthen our residential facilities for students, faculty and employees. Our special focus shall be upgradation of hospitality and accommodation for students. We would also like to develop and create opportunities/avenues to invite/attract International students for trainings/ observations.

University leadership extends vision of establishing an effective career counselling and placement process for its students, especially for the postgraduate students for new job opportunities and higher education and international training exposure in our undergraduate programs including medical, dental, paramedical and nursing. The plan is to strengthen the mechanism that can improve

student outcomes in terms of progression to higher education and also in terms of getting deserving employability. We intend to involve students across various programs to build the process in collaboration with the administration. This process of strengthening 'Career guidance and Placement' includes- sensitising learners to opportunities for higher education in health profession, to opportunities for advanced research opportunities in health professions and to existing rules and regulations for setting up a private practice. This shall also have Personality development programs, Programs for guidance of competitive exams, Entrepreneurship Development Program, Interaction with Industry partners, Programs to enhance Soft skills/Communication skills, Program to guide for Interprofessional collaboration, Leadership development programmes, Motivational programs, Success stories, and individual guidance as needed. We also intend to involve our National and International alumni for their experience and in helping our learners leap beyond International boundaries and spread their expertise.

King George's Medical University plans to strengthen alumni relations. We expect our Alumni to be engaged in KGMU academic and research activities and we shall make all efforts for the same. We would also like to have a fully developed alumni network for student support and placement and for student mentoring. We will elicit support and feedback from alumni. We shall recognize alumni contributions in all forms, collaborate for research or academic activities, seek campus placements or employability routes via alumni and organize regular alumni meets.

As academic leaders, the onus is on us to transform the education in healthcare to create change, take responsibilities, encourage, persuade, take risks, set goals, create teamwork, empower, reduce boundaries, listen more, and all this with a shared focus of providing a safe, secure, quality driven, appropriate system of healthcare to the society.

