



## ANNUAL REPORT

# SETH G. S. MEDICAL COLLEGE & KING EDWARD MEMORIAL HOSPITAL

MUNICIPAL CORPORATION OF GREATER MUMBAI



2021

# The year that was.....

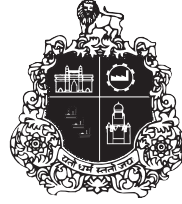


**ORIENTATION PROGRAM | 2021** November 27<sup>th</sup> **MEDIATE** AstraZeneca

FOR POSTGRADUATE MEDICAL STUDENTS Saturday from 2.00 pm - 5.15 pm

 Dr. Sandhya Kamat	 Dr. Padmaja Marathe	 Mrs. Amarpreet Kaur Ahuja
 Dr. Viraj Rajadhyaksha	 Dr. Anil Kukreja	

**Inauguration Ceremony**



Seth G.S. Medical College & King Edward Memorial Hospital  
Municipal Corporation of Greater Mumbai

ANNUAL REPORT  
2021

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Cover Photo Credit	<b>Dr. Dattaprasad Sawant, JR-III</b> Community Medicine

## A c k n o w l e d g e m e n t s

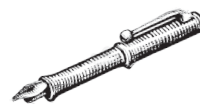
WE ARE GRATEFUL TO

**Smt. Kishoritai Pednekar**  
Hon. Mayor of Mumbai

**Shri. Suhas Wadkar**  
Deputy Mayor of Mumbai

- **Smt. Vishakha Raut**  
Leader of the House
- **Shri. I. S. Chahal**  
Municipal Commissioner
- **Shri. Ravi Raja**  
Leader of the Opposition
- **Shri. Suresh Kakani**  
AMC- Western Suburbs
- **Shri. Yashwant Jadhav**  
Chairman-Standing Committee
- **Shri. Vellarasu**  
AMC- Projects
- **Shri. Rajul Patel**  
Chairman, Public Health Committee
- **Shri. Sanjiv Jaiswal**  
AMC-City
- **Shri. Ramdas Kamble**  
Chairperson, F/South Ward Committee
- **Smt. Ashwini Bhide**  
AMC-Eastern Suburbs
- **Shri. Sanjay Kurhade (PH)**  
Dy. Municipal Commissioner





The twin institutes of the Seth GS Medical College & KEM Hospital were established in 1926 with a nationalistic spirit to cater to the “health care needs of the northern parts of the island” to be manned entirely by Indians. With a glorious legacy of over 80 years, 10 lakh patients and 50,000 plus surgeries annually, these institutes are among the top ranked in the city and country with the Latin maxim “*Non Sibi Sed Omnibus- not for self but for all*”, embedded in every heart.

The year 2021 was as tumultuous as 2020 with the relentless onslaught of the pandemic continuing. The beleaguered staff of the institute continued their tireless work against all odds. This is chronicled in many chapters in this year’s annual report. The trials and tribulations of a public sector institute that stood tall and firm amid the crashing waves of the pandemic is a true tribute to resilience and spirit of all those who worked and continue to work in testing circumstances.

Against this backdrop, the institute continued to excel and touch glorious heights. An immunobridging study with a new vaccine [Covovax / Novavax] was conducted. The first hand transplant was conducted through team effort. A pacemaker lead extraction program was established and four cases were successfully taken up. Several new equipment and imaging facilities were purchased and installed and several outpatient clinics were renovated. Towards better COVID care, new ventilators and high flow nasal canula systems were put into place. Point of care testing for interleukin -6 and D dimer were made available. A psychosocial helpline for providing support to COVID -19 patients was established. Post COVID care OPS looked after the health of a large number of patients. The institute was nominated as a model treatment centre for the national viral hepatitis program. A BACTEC FX 200 system was installed and is expected to improve the sensitivity and quality of blood cultures. The institute also received certification for liquid culture and drug sensitivity testing for first- and second-line anti- TB drugs testing from the National TB Institute. The institute also received recognition as a regional collaborative centre for facility based new born care from the Govt. of India. Several live and deceased renal transplants were conducted despite the ongoing pandemic. The institute was awarded the best Regional Organ and Tissue Transplant Organization [ROTTTO] and State Organ and Tissue Transplant Organization [SOTTO] by the Ministry of Health and Family Welfare.

A glorious paradox of an educational institute is that while the alumni grow old, the Alma Mater grows, forever young. As the institute inches slowly towards its centenary, it is hoped that these developments will constructively change the institutes for betterment of patients, greater efficiency of its enormous staff and help sounder training of its students and resident medical doctors, not to forget the support staff, nursing school and her alumni.

At the end of the day, as several thousand patients walk through these hallowed portals each year with hope in their hearts, it will remain our primary responsibility to ensure that they get the best medical care from kind, caring and compassionate physicians; hands that comfort, soothe and heal. As the pandemic continues unabated, the words of Bob Dole were never more relevant - “When it’s all over, it’s not who you were. It’s whether you made a difference”.

**Dr Sangeeta Ravat**

Dean - Seth GS Medical College and KEM Hospital

January 2022





## Editor's Note...



In the first month of 2022, we are ready to embark upon yet another 12-month journey and look forward to foundation day of the institute. It is now time to take stock and look at the year that was- what was achieved, what could have been done better and how we can move forward. This annual report in its individual chapters looks at the work, the teaching, the research, publications, awards, achievements and much more. While the general format of the report has remained the same, it has nonetheless chronicled the numerous achievement and changes, both minor and major that have taken place in the last year-2021.

The year 2021 like 2020 will be remembered for the ongoing pandemic and its numerous waves that took its toll on one and all. Efforts of individual departments of our institute, like 2020, continue to be chronicled in the report. When we look back a few years hence, this annual report will tell the story of a difficult time as also the tenacity and resilience of the human spirit.

The experience of putting this document together has been both humbling and enlightening. A huge thank you is due to former Dean Dr Hemant Deshmukh, Dean and Dr Milind Nadkar, Academic Dean for all the support and help rendered throughout 2021. I am grateful to Dr Sangeeta Ravat who has taken over for her faith in me in permitting me to work on this important document. Gratitude is also due to heads of department and staff members for sending information. The editorial team [Shruti Bhide, Gita Nataraj and Saurabh Patil] that helped me collate and put the report together deserves sincere thanks. Lastly, thanks are also due to Kalpesh, Lakshmesh and Trivedi Sir at Urvi Compugraphics for layout, formatting, and inputs in the cover design and working long hours to ensure that the report is ready on time.

While the compilation has been done over a month with utmost care and diligence, the sheer magnitude and diversity of the report may have led to omissions and inadvertent errors. I request the staff members to bear with me. Efforts have gone into making the document comprehensive, yet discerning. It is hoped that as one sifts through the pages, the quality and quantum of patient care, education and research and the trials and tribulations of the nameless, faceless health care worker who continued to give it his all during the ongoing pandemic [along with regular pre pandemic work] come through and we look ahead to 2022 with new hope and zest.

**Nithya Gogtay**

Editor – Annual Report 2021



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# Seth G.S. Medical College & K.E.M. Hospital

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# Seth G.S. Medical College & K.E.M. Hospital

## Vital Statistics

Sr. No.	Description	2021
1	Scheduled Beds	2,250
2	Total No. of Admissions	60,861
3	Average Daily Admission	167
4	Total No. of New O.P.D.	4,82,744
5	Daily Average of New OPD	1,604
6	Total No. of Old O.P.D.	9,13,385
7	Daily Average of Old OPD	3,035
8	Total No. of attendant (New & Old)	13,96,129
9	Daily Average of OPD attendance (New & Old)	4,639
10	Total No. of Operations	54,988
	Major	28,680
	Minor	26,308
	Scopies	6,595
11	Total No. of Deaths	6,393
12	Death Rate	9.52%
13	Total attendance in Casualty	1,22,361
14	Total No. of Medico-Legal cases	32,578
15	Total No. of In-patients days	4,67,667
16	Daily Average of Bed Occupancy	1,281 (57%)
17	Daily Average of patients stay in ward (In-patient)	7.68
18	Total No. of Deliveries	6,559

## Human Resources - Outline

### Nursing staff

• Matron	001
• Sr. Assistant Professor	000
• Jr Assistant Matron	004
• Principal	000
• Sister	112
• Sister Tutor	021
• Ward assistant	011
• Theater Assistant	000
• Theater Superintendent	000
• House keeper	000
• Staff Nurses	934
• Student nurses	200 each in 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> year

### Undergraduate Medical Students

• Ist MBBS	250
• IInd MBBS	188
• III year- first part	181
• Final year MBBS	187

### Admissions

• MD/MS	000
• Diploma	000
• DM	000
• Mch	000
• M O Th	000
• M P Th	000
• MSc	000
• MSc – by research	000
• PhD	025
• PG DMLT	010
• B O Th	000
• B PTh	000

### Filled posts - Clinical Departments

• Professor	065
• Associate Professor	068
• Assistant Professor	120

### Filled posts – pre and para clinical departments

• Professor	013
• Associate Professor	054
• Assistant Professor	083

### Junior residents

• 1 <sup>st</sup> year	000
• 2 <sup>nd</sup> year	246
• 3 <sup>rd</sup> year	269

### Senior residents

• 1 <sup>st</sup> year	054
• 2 <sup>nd</sup> year	052
• 3 <sup>rd</sup> year	051

### Other residents

• House officers	028
• Registrars	093
• Fellows	030
• Jr. Occupational Therapist	007
• Jr. Physiotherapist	002
• Assistant Physiotherapist	005
• Assistant Occupational Therapist	002



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# Achievements and Highlights

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# Achievements and Highlights

## Anaesthesia

- Department was part of the team of World's First Paediatric Swap Transplant.
- Department is also involved COVAXIN Programme of KEM Hospital.
- The department was part of the first successful hand transplant team.

## Anatomy

- Organised Dr. Dhayagude drawing competition & Dr. Shirwalkar general proficiency scholarship examination
- Staff members selected for FAIMER courses
- Staff members invited as Guest speakers for Anatomy, Medical Education and Bioethics

## Biochemistry

- Faculty coordinated and delivered various lecture for online workshop 'CLINICAL LABORATORY PRACTICES: A QUALITY APPROACH' from 3rd Aug to 5th Aug 2021.

## Cardiology

- Newer diagnostic modalities including Transesophageal Echo with 3D reconstruction, Live 3D echo, Contrast echo and perfusion imaging, Dobutamine Stress Echocardiography are now integral part of our routine patient management.
- Several complex interventions were performed in the cath lab, including Transcatheter Aortic valve Replacement, neonatal BAV, BPV and coarctoplasty and coarctation stenting and PCI of left main coronary lesions, complex bifurcations, OCT, rotational atherectomy, 3D electroanatomic mapping of arrhythmias and their ablation, physiologic (His bundle and Left bundle) pacing.
- The department has initiated the pacemaker lead extraction program and could successfully perform 4 such cases.
- The department has received a grant for state-of-the-art 2D echocardiographic machine (Vivid iq, GE Healthcare Ultrasound) through The Indian Hume Pipe Company Limited, Mumbai for dedicated ICU care.
- The department could also set up two well equipped dedicated ICCU beds for TAVR and complex structural intervention patients. The department has been enrolled for many new landmark trials for newer cardiovascular drugs (SELECT, ZEUS).

## Cardiovascular and Thoracic Anesthesia

- NIRS, Videolaryngoscopes, Video DLTs- have been introduced into routine practice
- Multiple CMEs, Guest Lectures in National conferences, Workshops were organized.
- Ambu bronchoscope for difficult airway management introduced.
- TAVI- Transcatheter Aortic Valve Implantation now routinely performed by dept of cardiology undertaken by Dept of cardiac anaesthesia.

## Cardiovascular and Thoracic Surgery

- Minimally Invasive Cardiac Surgery gained momentum and now includes surgeries of congenital heart disease, valve replacements, valve repair. single and multi-vessel coronary disease..
- Development of centre of excellence for interventional aortic aneurysm procedures in collaboration with Department of Radiology.
- Extending Valve repair procedures.

## Clinical Pharmacology

- Addition of pharmacogenetics of azathioprine – services for NUDT 15 from 20-July-21
- Several joint teaching programs were conducted for DM residents in collaboration with PGI Chandigarh and Nizam's institute, Hyderabad
- The department was one the centers for the two COVID -1 9 vaccines clinical trials – COVOVAX™ and COVISHIELD™. The latter has received Emergency Use Authorization

## Community Medicine

- Dr. Gajanan Velhal, Professor and Head was elected as President IPHA Maharashtra Chapter for 2021-2024
- Dr. Gajanan Velhal gave a Plenary speech at International conference organised by Talyors University, Malaysia
- Dr. Rachhanaa Satish Pawaskar Developed a mobile application named 'Stan Swasthya' aimed to create awareness regarding Breast Cancer (causes, risk factors, stages, prognosis and treatment).
- Dr. Kritanjali Sahu and Dr. Rachhanaa Satish Pawaskar Nominated as Nodal Officer for the Air-borne infection control research project of ICMR-National AIDS Research Institute (NARI), Pune. (August-September 2021)

## Dentistry

- The department is now fully renovated state of the art OPD.
- There are 5 electronically operated dental chairs and units catering to the dental needs and treatment of patients.

## Dermatology

- Dermatoscopy for various pigmentary disorders.
- Peels for acne, skin rejuvenation and pigmentation.
- Follicular hair transplantation in androgenetic alopecia and vitiligo.
- Dermaroller therapy for patients of androgenic alopecia
- Vitiligo surgery.
- Q switched ND YAG laser for correction of pigmentary birth marks and other pigmentary disorders, tattoo removal, facial rejuvenation.
- I PRF – innovative procedure for hair growth.
- DPCP for hair loss and periungual verruca vulgaris.
- Vitamin D3 therapy in keloid.
- Intense pulse laser in steroid abuse patients and rosacea.
- Use of newer peels for various cosmetic indications.
- Newer treatment modalities for recalcitrant warts.

## Endocrinology

- Participation in various symposia and conference by Dr Tushar Bandgar, Dr Anurag Lila, Dr. Virendra Patil at various national and international conferences

## Forensic Medicine and Toxicology

- Professor & Head Dr. Harish Pathak has been appointed as DEAN, Crompton Greaves, Jumbo Covid Centre, Bhandup
- FOHIL: Pattern injury reporting in cases of Crime Against Women & Children. Identification of human remains from victim of crime, missing and unknown person, natural disaster by forensic odontology and Manual & Digital 2d & 3d forensic facial reconstruction.
- Organised 1<sup>st</sup> Biennial Symposium of Association Forensic Odontology for Human Rights Rescue, Rights & Dignity of The Dead on 23-24 Sep 2021.
- Organised 18<sup>th</sup> Annual National Conference of Indian Association of Forensic Odontology on 25<sup>th</sup> -26<sup>th</sup> Sep 2021.
- Department has been centre of reference for sensitive, complicated, medicolegal & sexual assault cases.

## Gastroenterology

- Department of Gastroenterology KEM Hospital is nominated as model treatment center for National Viral Hepatitis Control Program.

## General Surgery

- Dr. Varsha Kulkarni designed a special intubation box for ease of intubation in Covid 19 patients.
- Dr. Jignesh A Gandhi -conducted AWR Cadaver Workshop held at KEMH in August 2021
- Dr. Rajiv Satoskar Prof. & HOD, Department of General Surgery superannuated on 30.04.2021.
- Dr. Abhay N. Dalvi Prof. department of General Surgery superannuated on 30.04.2021.
- Dr. Varsha Kulkarni appointed as Prof. & Head of the Department from 31.5.2021.

- Three faculties Dr. Jignesh A, Gandhi, Dr. Samir Suresh Deolekar, Dr. Suchin Sudhakar Dhamnaskar were given status of Professor Additional from 19.6.2021.

## **Hematology**

- The Department also runs International hemophilia training center and Comprehensive Hemophilia Care Center with 1256 patients of hemophilia registered in our institution for treatment. Prophylaxis is the standard of care.
- We have started ITI in 04 patients
- Number of registered hemophilia patients are increased to 1256
- In day care more than 12468 patients are treated in the last 1 year.
- Around 250 Leukemia patients are diagnosed and treatment given in the last year
- 25000 patients in OPD basis and 13360 patients in day care along with 12468 in patients.
- With the help Cuddles Foundation the department has started dedicated nutritionist trained in cancer nutrition works in hematology dept and this foundation provides nutrition supplement and ration to pediatric cancer patients. We have also started RUTF nutrition supplement programme for paediatric patients
- Cankids organization has started their support programme in the department of hematology their Medical social worker and counselor counsel and help the patient regarding the chemotherapy, financial assistance, helping to get accommodation and other patient needs.
- Indoor Service: Ward 42 Total admissions-567
- Number of patients treated in Day care -16187

## **Medicine**

- Dr. M. Y. Nadkar, Academic Dean, Professor and Head: Has been overall incharge of all Covid facilities in KEMH as administrative and logistic , HR head and Chairperson of Critical Care Committee for serious Covid patients
- Dr Santosh Salagre was selected for FAIMER Competency–Based Education Program (FACE) conducted by International FAIMER Institute
- All Faculty played an important role in the management of Covid -19 pandemic
- National, State and MCGM protocol compliant Covid 19 stage based treatment sheets were developed to ensure uniform treatment as per recommendations from Task Force, GOM.
- Establishment of a separate post covid mucormycosis ward
- Covid related equipment upgradation
- Total 51 Skanray Ventilators received through PM Cares fund were utilized for the care of critical COVID patients.
- Total 20 High Flow Nasal Canula Systems( HFNC's ) received through MCGM or Donations utilized in SARI ward and COVID ICUS FOR critical COVID patients

## **Microbiology**

- DHR/ICMR is established on the 7<sup>th</sup> floor of MSB and operational. It was inaugurated by Honourable AMC (WS), Shri. Suresh Kakani, in August 2021.
- The department successfully completed desk top surveillance for continued NABL accreditation till April 2022.
- BACTEC FX 200 (automated blood culture system) has been installed and is operational. This is expected to improve the sensitivity and quality of blood culture results.
- Scaling up of HIV viral load testing in public sector – supported by NACO and MDACS.
- The department has actively participated as a testing centre in vaccine trials and in various other research projects for COVID-19.
- Participated in BCG vaccine trail along with community medicine department which has been completed successfully.
- Participated in “Latent Tuberculosis Infection” project along with Public Health Department (MCGM) which is completed successfully. The project was supported by Share India.
- A project to assess the operational feasibility of TATA MDCHECK TM for detecting SARS-CoV-2 has been completed. The project was supported by FIND (India).
- Department is recommended for certification of liquid culture and DST for first and second line anti-TB drugs including PZA and Levofloxacin by National Tuberculosis Institute of Central TB Division, the certifying body. As per programmatic recommendation, follow up cultures are currently in it's ambit.

## Neonatology

- Department of Neonatology recognized as the regional “Regional Collaborative Center for Facility Based Newborn Care” under National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India.
- Dr. Ruchi Nanavati: bestowed on the most prestigious award “Fellow National Neonatology Forum” during annual convention of NNF in Bangaluru, December 2021.
- Dr. Ruchi Nanavati: recipient of “President’s special appreciation award” during annual convention of NNF in Bangaluru, December 2021.
- Dr Ruchi Nanavati: member of Empowered Action Group (neonatal subgroup) of MOHFW, GOI on training and capacity building of HCWs for COVID 19 pandemic.
- Dr. Ruchi Nanavati: National faculty & In charge Regional Collaborative Centre of Facility Based Newborn Care Program under National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India.
- Dr. Ruchi Nanavati: Secretary of the Task Force of MCGM formed for planning of guidelines for the management of third wave COVID 19.

## Nephrology

- 20 Live related renal transplants and 5 deceased donor renal transplants were done in 2021. All the patients are doing well with functioning graft.
- ICU dialysis facility started for critically ill patients in EMS- ICU (Medical Intensive Care Unit)
- As part of the team involved in ‘Hand Transplant’ we were involved in pre-transplant assessment and post-transplant medical management including immunosuppression regimen.
- Establishment of post COVID kidney care OPD for patients with kidney disease recovering from COVID-19. We have managed 103 Kidney transplant recipient with COVID-19 infection till date.
- Only centre to perform 24 x 7/365 days emergency haemodialysis, also provides the service to HIV/HbsAg/HCV positive patients.

## Neurology

- We have Comprehensive Epilepsy Care center in Collaboration with Neurosurgery Since 2001 and we have completed 632 surgeries till date

## Neurosurgery

- First Mortality Meeting held this year
- Conducted the first Mucormycosis case post COVID under general anesthesia radically excising the disease.
- Hosted Renowned Australian Neurosurgeon Dr. Charlie Teo for a teaching Program – C M E on gliomas involving all neurosurgeon in Mumbai and allied specialty as well on 24<sup>th</sup> Nov 2021

## Nuclear Medicine

- Started PSMA PET CT (for diagnosis of cancer prostate)
- Introduction of many PET/CT related investigations:
- Whole body PET/CT
- Limited body PET/CT
- Cardiac PET/CT
- Brain PET/CT

## Occupational Therapy

- Few of the tools for practice include splints, adaptive devices and orthoses prescription, fabrication and checkout. Prosthesis prescription, Wheelchair prescription, mobility aids prescription and training, Recommendations for ‘Access’ in community, home and other areas, Assessment and intervention in ‘Activities of daily living’, disability calculation and assessment and assessment for Work Fitness.

- During the 2nd wave of COVID-19, Occupational therapy services were rendered to patients admitted at NESCO Jumbo COVID Centre, Goregaon. Occupational therapists were deputed to NESCO on rotation basis, specialized Occupational therapy programs were developed and intervention given to admitted patients infected with COVID-19.
- Informative pamphlets regarding maintaining physical and mental health during COVID-19 pandemic were designed, printed and distributed at KEM Hospital's vaccination centers in collaboration with Community medicine department.
- Tele-Rehabilitation services started during Covid-19 pandemic were continued to cater services to OPD patients for rehabilitation.

### **Ophthalmology**

- Department has trained ward assistants to perform their duties in wards and OT efficiently .
- Faculty participated as speaker in various CME programmes held at national level.
- Department is well equipped VEP/ERG machine and to run a paediatric ophthalmology clinic every wednesday 8am to 10 am.
- Use of double frequency nd-yag laser for management of posterior capsular opacity ,peripheral irridotomy ,selective laser trabeculoplasty.
- Use of newly installed cross linking machine for treating conreal ectasias like keratoconus.
- Our senior residents have been selected for fellowships in various subspeciality in pioneering institutes of ophthalmology in india.
- Our department is well equipped with fundus photography and slit lamp photography,usg b-scan,paediatric refractometer,and paediatric vision screening.

### **Orthopaedics**

- Department of Orthopaedics “In search of excellence” has protocolled the patient management in subspeciality of spinal surgery, arthroplasty and arthroscopy.
- The department has taken an active part in conducting various academic activities and workshops in the year 2021 such as:
  - o KEM Orthopaedics PG Training Course 5 March to 7th March 2021.
  - o Clinical Meeting and master class on topic “PCL Knee injuries” on 2nd October 2021.
  - o Bimonthly Bombay Orthopaedic Society meet on 3rd October 2021.
  - o KEM Hospital Elbow Course - 8th to 10th October 2021.
  - o Bone demo on robotic knee - 1st & 2nd November 2021.
  - o Cadaveric Course & Live surgery – 4th & 5th December 2021.

### **Paediatrics**

- Dr. C. T. Deshmukh contributed to COVID task force of MCGM for Pediatric COVID.
- Faculty members contributed to panel discussions on diverse topics.

### **Paediatric Surgery**

Experience with the following

- 3D laparoscopic choledochal cyst excision and hepatico-duodenostomy in children.
- Laparoscopic pyeloplasty
- Lap assisted C-Arm guided Removal Of Endoscope capsule
- Lap management of intra abdominal cyst

### **Pathology**

- Point of care testing - IL6, D-Dimer started for COVID 19 & other patients.
- Upgradation of Pathology class with mounting of over 100 new specimens for undergraduate teaching.
- Upgradation & Automation of the Emergency Medical Laboratory Services, Surgical Pathology & Cytology, Cardiovascular Pathology, Hematology & Clinical Pathology, Neuropathology & Out Patient Department for better services and timely delivery of reports.
- Continuing participation in external quality control program for Hematology, lipid and enzyme biochemistry with CMC Vellore and Randox Laboratories, UK, and cytopathology with Tata Memorial Hospital.

### Pharmacology and Therapeutics

- Faculty members and postgraduate students bagged 9 awards for paper presentations at different national/regional conferences held this year.
- Various workshops on GCP, research methodology, ethics and adverse drug reporting were also conducted by the department.
- Faculty members also delivered lectures on various topics of ethics, research methodology in workshops conducted by MUHS and other institutes.

### Physiology

- The staff members of the department were involved in various research activities both in Physiology and in Medical Education.
- Faculty was involved in managing Human resources for Covid at various hospitals in Mumbai. They were involved managing ICUs, wards and logistics.

### Physiotherapy

- COVID related- Management of COVID patients in acute care and rehabilitation is still continued.
- Formulation of national level physiotherapy guidelines for management of COVID patients.

### Plastic Surgery

- Prof. Vinita Puri lead the Plastic Surgery department and the multi disciplinary team which successfully conducted the first Hand transplant in Maharashtra in a public hospital in August 2021
- Partnership with 'ReSurge International', to benefit post burn contracture patients – all treatment provided free – including surgery, consumables, pressure garments and splints.
- Continuing Special Clinics for Patient care

### Psychiatry

- Department of Psychiatry is a Regional Resource and Coordination Centre (RRCC) under DTC scheme.
- Provides Free drugs under scheme: T. Disulfiram, T. Naltrexone, T. Buprenorphine, Syp. Methadone DTCs under RRCC, KEMH are Bhardawadi, Rajawadi, Osmanabad, Goa, Dhule, Nagpur, Surat, Chennai, Hyderabad, Indore.
- HITGUJ Mental Health helpline received local as well as international calls for support.
- COVID-19 caregiver helpline was started
- Psychosocial Support Cell helpline for COVID-19 patients was started
- Dr. Kranti Kadam received 'Savitribai Phule Stri Gaurav Puraskar' on Women's Day 8/03/21

### Pulmonary Medicine

- The Department of Pulmonary Medicine and EPRC was involved in giving care to COVID, non-COVID as well as to post COVID patients.
- We have established post COVID care facility for in patient and out patients.
- We have undertaken therapeutic procedures like therapeutic whole lung lavage, gluing of bronchopleural fistula and bronchial dilatation in post tubercular stricture.

### Radiology

- Over 3,20,000 patients come to the Radiology Department in a year for Diagnostic as well as Interventional Treatment.
- The department is equipped with latest and sophisticated 1.5 Tesla MRI, two CT Scan machines (64 slice and 160 slice), Mammography (for Breast Cancer Screening), Digital Fluoroscopy, Ultrasonography and Doppler machines.
- Peripheral Vascular and Neurovascular Minimally Invasive Interventions are carried out on a Bi-planar DSA machine. Conventional imaging is carried out on 5 Digital Radiography (DR) units as well as on Computed Radiography (CR) units.
- Facility for Radiofrequency Ablation (RFA) of tumors is available here. Endovenous Laser Therapy (EVLT) is done here to treat patients with varicose veins. Facility of DR Fluoroscopy for Barium study exists.
- Two High End Digital Radiography X-ray (DR) and Six Computerized Radiography X-ray (CR) machines have been installed this year.



### **Surgical Gastroenterology**

- Developing Serum Markers to Predict Colonic Malignancy with IIT Mumbai.
- Faculty members delivered lectures on various topics like Surgery for Portal Hypertension, Management of Corrosive Pharyngo-Oesophageal strictures, Management of Colo-Rectal Liver Metastasis and Neoplastic Polyp /Adenoma -Carcinoma sequence.
- Faculty members also participated in various panel discussions.
- Students completed various fellowships.

### **Transfusion Medicine**

- The Department has been awarded NABH Accreditation by NABH-National Accreditation Board for Hospitals and Health Care providers, Quality council of India, New Delhi
- Dr. Jayashree Sharma has been appointed as National Expert Reviewer for the NewsLetter constituted by Haemovigilance Programme of India, National Institute of Biologicals, New Delhi.
- Dr. Jayashree Sharma passed the NABH Assessor course in the year 2009 and has been empanelled as Assessor for carrying out assessment of blood banks/blood centers against NABH Accreditation standards in Blood Banks.

### **Urology**

- ROTTO SOTTO Maharashtra, headed by Dr Sujata Patwardhan was awarded best ROTTO and best SOTTO in the nation in November 2021. There was Felicitation program organized on 27<sup>th</sup> November 2021 at Delhi by Hon'ble Minister of State for Health and Family welfare Bharti Pawar and Hon'ble Minister for Health and Family Welfare Mansukh Mandaviya.



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# Awards and Honors

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# Awards and Honors

## Anaesthesia

- Presidents Appreciation Award 2021 from ISA National to Dr. Indrani Chincholi Public Awareness Award, ISA National to Dr. Deepa
- Secured 2nd Prize in Covid Camp Quiz Competition @ Covid 19 and the beginning of new era. HN Reliance, August 2021. Dr. Prerana Shah, Professor (Additional).
- Secured 1st Prize in Case Report Presentation in WAD 2021 ISA Mumbai, which held on 16th & 17th October on Virtual Platform (Webinar). Title : 'Ultrasonography Guided Central Neuraxial Block In A Case Of Ankylosing Spondylitis For Lower Limb Surgery : A Case Report.' (Post MD Category) Dr. Amruta Tatu. (Author : Dr. Amruta Tatu & Co-Author : Dr. Deepa Kane, Dr. Priti Devalkar)
- Secured 2nd Prize in Case Report Presentation in WAD 2021 ISA Mumbai, which held on 16th & 17th October on Virtual Platform (Webinar). Title : 'Anaesthesia Management of a Patient with Hypopyoptic Cardiomyopathy and Gastro Pested for Elective Modified Radical Mastectomy : A Case Report.' (Post MD Category) Dr. Anju Paul.
- Secured 1st Prize in WAD 2021 ISA Mumbai, which held on 16th & 17th October on Virtual Platform (Webinar) for "Patient Narrative Section." Dr. Anju Paul
- Secure 3rd Prize in Indian College of Anaesthesiologist – ICA Quiz Pro Quest Quiz held on 14th July 2021 on Virtual Platform Team : Dr. Anju Paul & Dr. Kavipriya S.

## Anatomy

- Dr. Kavita Sanghpal Kokane secured second rank in the MD Anatomy MUHS University Examination held in June 2021
- Dr. Rashmi Avinash Patil secured 1st position in poster presentation on "Challenges in Implementing Competency Based Medical Curriculum" at NCHPE 2021 National Conference on Health Professions Education under the aegis of Academy of Health Professions Educators, Sri Guru Ramdas University of Health Sciences, Sri Amritsar, 26th -30th Oct 2021
- Dr. Rashmi Avinash Patil and Dr. Sarika Hindurao Dakare bagged best poster award for the poster titled "Plastination and Casting: Advantages and Advances" at National Conference on Plastination and Casting Technique, Saveetha Dental College, 14th Dec 2021

## Cardiovascular and Thoracic Anaesthesia

- Winner of Kabira FIACTA Award- Dr. Renu Upadhyay
- DM Cardiac anaesthesia residents passed FIACTA (Fellowship in Indian association of cardiothoracic anaesthesia) in first attempt.

## Cardiovascular and Thoracic Surgery

- Dr. Chandana Adhikari, 3<sup>rd</sup> year MCh CVTS senior resident was awarded TSF Saha Scholarship from Society of Thoracic Surgeons (STS), USA 2021

## Clinical Pharmacology

- First prize for best oral presentation. Title – Efficacy and safety of two doses of Ap-Bio®(Kalmcold®) in participants with uncomplicated upper respiratory tract viral infection (common cold) – A Phase III, double-blind, parallel group, randomized placebo-controlled trial. AUTHORS: Jeffrey Pradeep Raj1, Miteshkumar Maurya1, Nayana Nair1, Hetal Marfatia2, Rujuta Hadaye3, Nithya Jaideep Gogtay1. Departments of 1Clinical Pharmacology, Otorhinolaryngology2, Community Medicine3 – Seth GS Medical College & KEM Hospital, at the annual conference of the Indian Society of Clinical Research [ISCR]
- Second prize for best e poster, 'An audit of studies registered for COVID-19 infection with the Clinical Trials Registry of India'. Gunjal VS, Godbole CJ, Bendkhale S, Desai NN, Thatte UM, Gogtay NJ. Department of Clinical Pharmacology
- Dr Nithya Gogtay was placed among the top 2% scientists in India in the field of internal medicine by the Stanford University using a complex C score. This is based on the citations of the research work published, H index, co-authorship and a composite index. It therefore reflects the impact of the research.

## Community Medicine

- 2nd Prize to Dr Dattaprasad Avinash Sawant in Second Annual National Conference of Epidemiology Foundation of India EFICON 2021 Oral Paper Presentation (Adolescent Health Category)
- 1st Prize in 48th Annual National Conference of Indian Association of Preventive and Social Medicine IAPSMCON 2021 Painting Competition (Culture Brush)
- 4th prize to Dr. Ilangovan R under mental theme for poster in IPHA national conference 2021
- Social Service award to Dr Shilpa Nellikkal by Rotary club and Pillai Institute Mumbai 2021, MARD social services award 2020,
- Dr Aditi Dey Won Most Promising Scientific Poster Award for a paper titled “A case study to assess the performance of Integrated counselling and testing center (ICTC) and ART center in a rural hospital” at International public health conference 2020 (AMRITACON) .
- Dr. Parimala Subramanian Best Resident in Community Medicine Award- Dr. Prabhadevi
- Late Dr. Chandrakant Patil Award for excellence in Community Work- Dr. Deepak Mundhe
  - o Awarded first prize for paper presentation at Online IAPSM National Young Leaders Conclave from 26<sup>th</sup> – 27<sup>th</sup> March 2021
  - o Awarded second prize in the “Catalysing the Behaviour Change” at Online IAPSM National Young Leaders Conclave from 26<sup>th</sup> – 27<sup>th</sup> March 2021
  - o Awarded second prize for National level e-poster competition on World No Tobacco Day-2021
  - o Nina Dahija award was received by Dr. Tanmay Jadhav for Best Intern.
  - o First Prize for paper presentation and Second prize in the “ Catalysing the Behaviour Change” at Online IAPSM National Young Leaders Conclave 26th -27th March, 2021, awarded to Dr. Rupali Sabale
  - o Second prize awarded to Dr. Rupali Sabale for National Level e-Poster completion on World No Tobacco Day 2021.

## Dermatology

- 3rd prize to Dr Snehal Chopade in Award paper presentation in a category of Chemo-Derma conjunction at mid-dermacon 2021
- Best E-poster Award to Dr Anmol Bhargava at Mid-dermacon 2021
- 3rd prize to Dr Anmol Bhargava in IGNQPP quiz at Mid-Dermacon 2021.
- 3rd prize to Dr Farida Kapadiya in IGNQPP quiz.
- Dr Siddhi Chikhalkar Won award at Mid-Dermacon 2021.
- Dr Surender Singh Won award at Mid-Dermacon 2021.

## Endocrinology

- Best thesis award to Dr Saba Samad Memon in clinical category in ESI - A. V. Gandhi Award for Excellence in Endocrinology held on March 2021
- 3rd prize to Dr. Robin Garg in oral paper in T-Endocon at Thiruvananthapuram
- 1st Prize to Dr. Chakra Diwakar in Poster Presentation in ENDO Update October 2021
- 2nd prize to Dr Srushti Thakare, TYSA Diabetology, Feb 2021
- 1st prize to Dr. Virendra Patil in Oral Presentation in ENDO Update October 2021
- 2nd prize to Dr. Aditya Phadte in Oral Presentation in ENDO Update October 2021
- 2nd prize to Dr. Anima Sharma in Oral Presentation ISPAE 2021
- 2nd prize to Dr. Chethan Y in Poster Presentation ISPAE 2021

## Forensic Medicine and Toxicology

- Dr. Ravindra Deokar received Best Oral Paper Presentation award in Faculty Category in Forensicon 2021 (17<sup>th</sup> & 18<sup>th</sup> December 2021)
- Dr. Ravindra Deokar received Award of Appreciation for work towards Journal of Forensic Medicine Science and Law in Forensicon 2020 (Organised in April 21)
- Dr. Ravindra Deokar received Award of Excellence for noteworthy work towards MLAM JOURNAL (JFMSL) Scopus indexing.
- Dr. Ravindra Deokar is Editor in Chief for Journal of Forensic Medicine Science & Law (An Official Publication of Medicolegal Association of Maharashtra).

## **Gastroenterology**

- Best SOTTO award
- Best ROTTO award

## **General Surgery**

- 3rd price at Quiz Dr Nithin Bangaradka and Dr Avin Singhal
- Dr Manan Trivedi Won 3rd prize at TYSA National level surgical quiz conducted by ASI
- Dr. Dhaval Vasa won the Dr. Daniel S.C. Devadhar award for the Best Dissertation in Surgery under P. G. Guide Dr. Varsha Kulkarni

## **Medicine**

- Dr Santosh Salagre was felicitated with Covid Yoddha Award on the occasion of centenary celebrations of Parle TilakVidyalay, Vileparle at the hand of Ex Vice Chancellor, University of Mumbai Dr Snehlata Deshmukh on 13th June 2021
- Dr. Archana Sonawale was awarded Maasaheb Swa. Meenatai Thakare Jeevan Gaurav Puraskar 2021- On 8th March 2021 for exceptional work in COVID
- COVID HERO award by Municipal commissioner Dr Kakani at NESCO COVID center
- Dr. Kavita Joshi was awarded Maasaheb Swa. Meenatai Thakare Jeevan Gaurav Puraskar 2021- On 8th March 2021 for मुंबईतील कतृत्ववान महिला.
- Felicitation by Mayor of Mumbai - सन्मान तुमच्या आमच्यातील नवदुर्गाचा on 12th Oct 2021 for work done during Covid Pandemic.
- Dr. Kaustubh Salagre awarded by Spandan Pratishtan as Front line Covid warriors for dedicated work in Covid 19 pandemic.
- Dr. Smrati Tiwari was Awarded Meenatai Jeevan Gaurav Award on Women's Day for covid work

## **Microbiology**

- Covid testing laboratory and other staff members were felicitated and appreciated for their contribution by multiple organizations.

## **Neonatology**

### **National:**

- Dr. Ruchi Nanavati: bestowed on the most prestigious award "Fellow National Neonatology Forum"
- Dr. Ruchi Nanavati: recipient of NNF president's "Special appreciation award" for 2021.
- Dr Ruchi Nanavati: member of national expert group under aegis of NMC for revision of DM Neonatology curriculum.
- Dr Ruchi Nanavati: faculty for international webinars on Kangaroo Mother Care organized by the Kangaroo Foundation of India and NNF in June and December 2021.
- Dr. Ruchi Nanavati: National faculty & In charge Regional Collaborative Centre of Facility Based Newborn Care Program under National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India.
- Dr. Ruchi Nanavati: Neonatal Resuscitation Program Regional Trainer for First Golden Minute project of Indian Academy of Pediatrics & National Neonatology Forum
- Dr. Ruchi Nanavati: Reviewer of Indian Pediatrics, Journal of Neonatology, Journal of Postgraduate Medicine, Indian Journal of Medical Research, Journal of Infection and Public Health.
- Dr Ruchi Nanavati: Advisor and faculty at 4th Neonatology Refresher Course by Neonatology chapter of IAP & Neonatology Forum Mumbai, September 2020.
- Dr Ruchi Nanavati: Advisor to the Association of Neonatal Therapists.

### **State / City:**

#### **Dr. Ruchi Nanavati:**

- Dr. Ruchi Nanavati: Secretary of the Task Force of MCGM formed for planning of guidelines for the management of third wave COVID 19.
- Dr. Ruchi Nanavati: delivered the most prestigious Dr S. M. Merchant's oration during EMBICON 2021 in November 2021.

- Core committee member of Health Mission Core Group set up by MCGM & Mumbai First
- EC member of Mumbai Breastfeeding Promotion Committee.
- EC member of Neonatology Forum Mumbai

#### **University:**

#### **Dr. Ruchi Nanavati**

- Member of Board of Studies of Superspeciality Medicine branches of MUHS, Nashik.
- Convenor and Examiner for DM Neonatology examination conducted by MUHS, Nashik
- External examiner for DM Neonatology examination conducted by PGI, Chandigarh.

#### **Nephrology**

- Dr Divya Bajpai received Achiever's award for contributions in digital nephrology and online education by the Hon'ble Lt. Governor of Telangana and Puducherry, Dr Tamilsai Soundarjan on 9th Dec 2021.
- Dr Divya Bajpai was awarded Dr Harsha Salkar Oration on 6th February 2021.

#### **Neurology**

- Dr. Vruj Kumar Durge stood First in University.
- Dr. Rishikesh Joshi won Zonal TYSA Quiz Contest barbeque.
- Dr. Santosh Shriram Won the Best Paper award in BNA in Jan 2021

#### **Neurosurgery**

- Dr Nishchith S.: Secured first rank in M Ch Exam

#### **Occupational Therapy**

- Dr. Sushant Sarang, Associate Professor, OT, Seth GSMC & KEMH was awarded 'Superhero Autism Award' by Sunderji Global Academia, Poona on 18th Apr 2021 for his contribution in the field of Autism.
- Dr. Kirti Amol Patil completed the World Federation of Hemophilia virtual global HTC training on the HJHS held on May 20 2021.
- Dr. Saurabh Phadke & Dr. Pradnya Bhovad has been featured in the 'Corona Quilt Project' that honors the frontline workers.

#### **Ophthalmology**

- Dr. Sayali Mahajan (lecturer) has been awarded for best subject paper in squint at AIOS 2021.
- Dr Ashiyana Nariani (lecturer) has achieved award of American Society of Cataract and Refraction Surgery Young Eye Surgeon International Service Grant Award 2021.

#### **Orthopaedics**

- Dr. S. S. Mohanty has been elected as President of Bombay Orthopaedics Society.
- He is the President of Indian Arthroplasty Society.
- Dr. Prince Uchadiya & Dr. Dipen Ariwala won MOA State level quiz 2021.

#### **Paediatrics**

- Modani P, Tullu MS, Gupta S, Agrawal M, Nandan KV. Autoimmune Lymphoproliferative Syndrome (ALPS)- A Rare Inherited Disorder. 5<sup>th</sup> National Conference of Indian Society of Primary Immune Deficiency conducted by Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow & King George Medical University, Lucknow from 6-7 March 2021. [Case Presentation Paper was awarded the II<sup>nd</sup> Prize/ Position].
- Dr Prerana Modani, Dr Nithya Seshadri: 1st prize in divisional round of National Neonatology Forum neonatology quiz - 2021, held in Mumbai on 6th October 2021.
- Dr Prerana Modani, Dr Nithya Seshadri: 3rd prize in zonal round of National Neonatology Forum neonatology quiz - 2021, held in Surat on 27th October 2021.
- Dr Nirajana Chattopadhyay, Dr Omkar Nalavade: 3rd prize in divisional round of IAP PG quiz - 2021, held in Mumbai on 28th August 2021.



- Dr Manavi KM, Dr Mukesh Agrawal. Reliability and reproducibility of tuberculin test in diagnosis of childhood tuberculosis. 22<sup>nd</sup> EMBICON Conference, Mumbai held on 13-14 November 2021. Awarded 2<sup>nd</sup> prize for MD thesis award paper presentation.
- Dr Sneha Louis Chiramel, Dr C.T Deshmukh. Prospective observational study on etiology and outcome of hematemesis in children. 22<sup>nd</sup> EMBICON Conference, Mumbai held on 13-14 November 2021. Awarded 3<sup>rd</sup> prize for oral paper presentation.
- Dr Nirajana Chattopadhyay, Dr Rahi Sanap, Dr Mehreen Mir, Dr Jane David, Dr Aishwarya Lachake, Dr C.T. Deshmukh. Bow legs: Thinking beyond Rickets. 22<sup>nd</sup> EMBICON Conference, Mumbai, held on 13-14 November 2021. Awarded 1<sup>st</sup> prize for poster presentation.
- Dr Shweta Mhatre, Dr. Mamta Muranjan, Dr. Nithya Gogtay. Economic burden of Gaucher disease at a tertiary care public hospital in Mumbai. 22<sup>nd</sup> EMBICON Conference, Mumbai, held on 13-14 November 2021. Awarded 2<sup>nd</sup> prize for poster presentation.
- Dr Ankita Chakraborty, Dr Mamta Muranjan, Dr Sunil Karande, Dr C.T. Deshmukh. The Purple colour mystery-clinical spectrum of Porphyrias. 22<sup>nd</sup> EMBICON Conference, Mumbai, held on 13-14 November 2021. Awarded 3<sup>rd</sup> prize for poster presentation.
- Dr Pritha Das, Dr Susmita Bharti, Dr Jane Jackie David, Dr Aishwarya Lachake. A Rare Case of Malignant Infantile Osteopetrosis presenting as Hypocalcemic Seizure in infancy. 22<sup>nd</sup> EMBICON Conference, Mumbai held on 13-14 November, 2021. Awarded 3<sup>rd</sup> prize for poster presentation.
- Dr Shweta Mhatre: 1<sup>st</sup> rank, MD Pediatrics, MUHS Summer Examination, 2021.
- Dr. Manavi KM : Dr JR Kamat Award for Best Pediatric Resident, 2021.

### **Paediatric Surgery**

Following M.Ch. students received awards at IAPSCON 2021

- Dr Abhijeet- An unusual case of vesical urothelial papilloma associated with right lower uretric calculus.
- Dr Nehal - Changing trends in management of choledochal cyst

### **Pathology**

- Oral Paper 1<sup>st</sup> prize MAPCON 2021: Clinicopathologic analysis of appendiceal neoplasms: A retrospective 10 year study. Khedekar R, Rajbhar R, Karegar MM, Rachana C, Joshi A.
- Oral Paper 2<sup>nd</sup> Prize at MAPCON 2021: Spectrum of Thyroid neoplasms diagnosed on fine needle aspiration cytology and their correlation with American College of Radiology -Thyroid Image Reporting and Data System (ACR-TIRADS) scoring. Gidwani N, Singh S, Kothari K, Agnihotri M.
- Poster 2<sup>nd</sup> Prize at MAPCON 2021: Cytodiagnosis of Primary Thyroid Lymphoma- Hits and a Miss. Deepthi U, Agnihotri MA, Kolhe A, Waghmare T, Karegar M, Kothari K
- Poster 3<sup>rd</sup> prize at MAPCON 2021: A rare case of Muir-Torre Syndrome. Sujith U, Sathe PA, Agnihotri MA, Joshi AS

### **Pharmacology and Therapeutics**

- 1<sup>st</sup> prize to Gondane A, Kurl D, Rane J, Arun K. for paper on 'Evaluation of neuroprotective effect of metformin in 6-Hydroxydopamine induce Parkinson's disease in Wistar rats and rotenone induce Parkinson's model of drosophila melanogaster' at 5<sup>th</sup> Aspire '21 Annual Shri Ramchandra Medical College Pharmacology Insight and Rapid Review Course held in Chennai (virtual) from 23<sup>rd</sup>-31<sup>st</sup> January 2021.
- 1<sup>st</sup> prize to Patil P, Shetty YC, Singh VK for paper on 'Evaluation of the effect of Pregabalin in Monosodium iodo-acetate induced osteoarthritis in Wistar rats' oral presentation at ASPIRE' 2021 5<sup>th</sup> Annual Sri Ramachandra Medical College Pharmacology Insight And Rapid Review Course held in Chennai from 23<sup>rd</sup>-31<sup>st</sup> January 2021.
- 2<sup>nd</sup> prize to Sharma A, Joshi S. for paper on 'Experimental study to evaluate the effect of Niacin in chronic unpredictable stress induced depression in Wistar rats' at ASPIRE 2021 5<sup>th</sup> Annual Shri Ramchandra medical college Pharmacology insight and rapid review course held in Chennai (virtual) from 23<sup>rd</sup>-31<sup>st</sup> January 2021.
- 2<sup>nd</sup> prize to Aithal Y, Joshi S. for paper on 'An experimental study to evaluate anti-depressant potential of Metformin in conditioned defeat model in Golden Syrian Hamsters.' at CONFLUENCE 2021 on 7-09-2021
- National winners - Aithal Y, Jaju T, Kulkarni A, Sohal A at 2021 AstraZeneca Project iDEA challenge for 'Diabetic scenario in India'

- 2<sup>nd</sup> prize to Dr Shetty YC, Thatte UM, Jarappa M, Ramalingam S, Agarwal V, Narula G for oral paper on 'Perceptions about Ethics in COVID Public Health Interventions Survey Questionnaire' at the FERCICON 2020-21 8<sup>th</sup> National conference of FERCI at NEIGRIHMS, Shillong from 23-24 Oct 2021.
- 1st prize to Rane J, Kurle D, Gondane A for paper on 'Evaluation of neuroprotective effect of sinomenine in Rotenone induced Parkinson's model of Drosophila melanogaster and in 6-OHDA induced Parkinson's disease in Wistar rats', at the International Pharmacologist and Consultants on net (IntPCON 2021) organised by GMC Surat, Gujrat from 19<sup>th</sup> to 21<sup>st</sup> November 2021.
- 2<sup>nd</sup> prize to Rane J, Kurle D, Gondane A. for poster presentation on 'Evaluation of neuroprotective effect of sinomenine in 6-OHDA induced Parkinson's disease in Wistar rats', at APPSCON-2021 organised by SVIMS, Tirupati, Andhra Pradesh on 19<sup>th</sup> & 20<sup>th</sup> November 2021.
- 1st prize for poster presentation- Antara P, Snehalata G, Raakhi T, Sharmila J, Sumit O. "Evaluation of awareness and perception regarding investigator's conflict of interest in research among the postgraduate students in tertiary care centre" at APPSCON- 2021 organised by SVIMS, Tirupati, Andhra Pradesh on 19<sup>th</sup> & 20<sup>th</sup> November 2021
- 5<sup>th</sup> Prize to Gondane A Kurle D, Rane J, Arun K. for paper on 'Evaluation of neuroprotective effect of metformin in rotenone induce Parkinson's model of drosophila melanogaster.' at 3rd national biomedical research competition held online from 6<sup>th</sup> to 10<sup>th</sup> December 2021.

### Physiology

- Dr. Namita Shrivastava - Gold Medalist in MUHS (Maharashtra University of Health Sciences) Summer 2021 MD Physiology examination.
- Mr. Kshitij Pawar of I MBBS, Seth G.S Medical College was awarded the "Anandrao Bhauji Saindane Gold medal" for securing first place in First year MBBS University examination.
- Mr. Pranay Sinha (I MBBS), Mr. Harsh Marathe (II MBBS), Mr. Debayan Banerjee (II MBBS), secured first 3 positions in "The National Undergraduate Physiology Quiz" conducted by AIIMS Bhopal amongst the 100 participants
- Dr. Munira Hirani was awarded with "Masaheb Swargiya Meenatai Thackeray Jeevan Gaurav Puraskar 2021" for her valuable contribution during COVID-19 Pandemic.

### Physiotherapy

- 2<sup>nd</sup> Prize to Bhavna Mhatr for scientific paper presentation in PG category, 1st International conference of IAP WOMEN CELL. Date: 8 August, 2021 Physical functioning in COVID -19 patients at pre-discharge: A case series.
- 1st Prize to Lakshmi Prabha R for "Static and Dynamic Balance Assessment in COVID 19 – A Retrospective study." in COVID scientific paper presentation at Scientifica, A Virtual international conference on March 28<sup>th</sup> 2021.

### Plastic Surgery

- Prof. Vinita Puri was honored with the Mrs. Phoolan Devi Gupta- NABI Award for Outstanding Work in any Field of Burns 2020-2021

### Psychiatry

- First prize to Dr.N.S.Sawant for poster presentation UG at Asian Apcon 2021 ,6<sup>th</sup>-7<sup>th</sup> Feb 21 organised by ACP-India Chapter for Psychiatric Sequelae and COVID Experiences of Post COVID -19 Recovered Resident Doctors and Interns of a Tertiary General Hospital in Mumbai presented by Sanket Patil.
- First prize in Confluence 6<sup>th</sup> -9<sup>th</sup> September, Seth GSMC & KEMH: A Cross Sectional Study On Imposter Phenomenon And Personality Traits Of Medical Undergraduates And Interns Neena Sawant, Yash Kamath, Udit Bajaj, Krish Ajmera, (presenting author II/II), Devansh Lalwani
- Dr. Shilpa Adarkar received IPS Nagpur branch & I K Mujawar for poster session at ACIP WZB at Pune presented by Dr. Saylee Daberao.

### Pulmonology medicine

- NavDurga Sanman conferred upon Dr Amita Athavale on 15.10.2021 at the hands of Hon Mayor of Mumbai for services rendered during COVID-19 pandemic.

## **Radiology**

- 1st prize to Dr Armaandeeep Singh Aulakh, Dr Harini Seshadri, Dr Chaitanya Rane- in BRIT Quiz on Breast Imaging and Interventions at Tata Memorial Hospital on 17th October 2021

## **Surgical Gastroenterology**

- Dr Burhan Kaidawala was awarded first prize in Best Scientific Paper Presentation at the Annual Conference of Association of Colorectal Surgeons of India held in November 2021 at Mumbai
- Dr Prem Shah was awarded first Prize in Poster Presentation at the Annual Conference of Association of Colorectal Surgeons of India held in November 2021 at Mumbai
- Dr Burhan Kaidawala 2nd year MCh Resident, was awarded First Prize for his Scientific Presentation at ASI 2021 conference held at Mumbai in November 2021 on: Long Term Functional Morphological Outcomes following IPAA surgery for Ulcerative Colitis.
- Dr Burhan Kaidawala and Dr Prem Shah successfully completed the Fellowship Course of ACRSI and were conferred Fellowship of Association of Colorectal Surgeons of India
- Dr Prem Shah, Dr Govindraj Dessai, Dr Nikhil Soni successfully completed the Fellowship Course of Indian Association of Gastro-Endoscopic Surgeons and were conferred Fellowship of IAGES
- Dr Burhan Kaidawala, Dr Prem Shah, Dr Govindraj Dessai, Dr Nikhil Soni successfully completed the Fellowship Course of Association of Minimal Access Surgeons of India and were conferred Fellowship of FMAS

## **Transfusion Medicine**

- Dr. Jayashree Sharma has been appointed as Editor of Asian Journal & Transfusion Science (AJTS) and Dr. Swarupa Bhagwat, Dr. Darshan Adulkar as Assistant Editors since 01/01/2018.

## **Urology**

- ROTTO SOTTO Maharashtra, headed by Dr Sujata Patwardhan awarded best ROTTO and best SOTTO in the nation in November 2021. There was Felicitation program organized on 27th November 2021 at Delhi by Hon'ble Minister of State for Health and Family welfare Bharti Pawar and Hon'ble Minister for Health and Famiy Welfare Mansukh Mandaviya.



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# Community Care

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# Community Care

## Anaesthesia

- The department conducted a basic life support training course for paramedical personnel to handle emergency scenarios.
- Residents regularly attend blood donation camps.
- Conduct COLS workshop for lay persons

## Biochemistry

- Department staff provided their services in the form of logistics services for smooth functioning and management of various COVID wards and to support clinical staff of KEM Hospital to better serve patients during covid-19 pandemic.
- Department staff provided their services for COVID vaccination at vaccination centre of KEM Hospital to better serve patients during covid-19 pandemic.

## Cardiovascular and Thoracic Anaesthesia

- A dedicated Interventional Pulmonology OT started by dept. of Chest Medicine with anesthesia team provided by dept. of cardiac anesthesia.
- Dept of cardiac anesthesia residents and faculty actively involved in management of critically ill covid patients throughout the pandemic.
- CPCPCR workshop for training of OT staff and technicians
- COLS workshop for patient's relatives in Ward 31
- Advanced hemodynamic monitoring workshop for post op critical care
- ERAS in cardiac surgery patients organized on behalf of ACTA Mumbai

## Cardiovascular and Thoracic Surgery

- Dr. Uday Jadhav Conducted Meditation Programs for faculty, Staff Nurses and Paramedical for CVTS and Cardiac Anesthesia Dept of KEM Hospital
- Heart Transplant Registration at Masina Hospital Mumbai
- Conducted Organ (Heart and Lung) retrieval (cadaver workshop) at Seth GSM College, KEM

## Community Medicine

- Covid-19 Vaccination Center- The vaccination center is functional since 16<sup>th</sup> of January 2021. Covid-19 Vaccination is conducted as per the guidelines from Government of India and is implemented in collaboration with the public health department. The nodal department for vaccination is the Department of Community Medicine and Vaccine logistics is handled by the Department of Clinical Pharmacology.

	Vaccine beneficiaries	
	COVISHIELD	COVAXIN
Grand Total	174024	41210

- CCF OPD: Residents from Department of Community Medicine are posted in rotation in three shifts along with Interns. Testing for COVID-19 is done here. Suspects are identified and appropriate management given.
- Contact Tracing: First case of KEMH was positive on 8<sup>th</sup> April 2020. Team established on 9<sup>th</sup> April 2020. Identification of high risk and low risk contacts of each positive Health Care Worker (HCW) done. Arrangement for quarantine facility, transport for doctors to facility and preparation of list for swab collection. Total of 1281 HCWs have become positive as on 16/12/2021. Total of 3208 health care workers are quarantined till date (Cumulative as on 16/12/2021).
- Surveillance: Routine surveillance in IDSP (Integrated Disease Surveillance Programme) – Daily reporting of cases and deaths, CCF OPD 24 hours report. SARI surveillance – Daily Reporting from 23.03.2020 and is ongoing.
- Community Outreach Health Services
  - a. Services at Naigaon Health Centre:  
Naigaon under five clinic:  
Under Five Clinic at Naigaon Maternity home on every Tuesday & Friday.

- o In view of Naigaon Maternity home being utilized as a Covid-testing centre, the Under-five clinic was not conducted from 23<sup>rd</sup> April to 7<sup>th</sup> Sept 2021. No new beneficiaries were enrolled in the month of April 2021. Since Naigaon Maternity home is now being utilized as Covid Vaccination Centre, the Under-five clinic is conducted once a week i.e. on Tuesday for new and old beneficiaries together. It was initiated from 14<sup>th</sup> September 2021 once a week only.
- o The BPMT interns were given orientation about Under-five Clinic during their visit on 23<sup>rd</sup> February 2021. No. of New registration: 85. No. of old beneficiaries: 51
- o Total beneficiaries: 136
- o Naigaon Geriatric OPD:

Month	Old	New	Male	Female	Total
Dec-20	113	5	49	69	118
Jan-21	113	11	64	70	134
Feb-21	124	3	68	59	127
Mar-21	134	9	71	72	143
Apr-21	110	7	59	58	117
May-21	40	1	23	18	41
Jun-21	43	2	20	25	45
Jul-21	102	5	53	54	107
Aug-21	83	4	43	44	87
Sep-21	86	1	42	45	87
Oct-21	108	3	52	59	111
Nov-21	122	5	63	64	127

- o Malvani Urban Health Centre, Malad (W)
  - 1) General OPD 2) Paediatric OPD 3) TB OPD (NTEP) 4) Link ART centre 5) Under-5 clinic 6) Chronic OPD 7) Psychiatry OPD 8) Skin and Leprosy OPD
- o Quantum of care:
  - General OPD: 31369
  - SPECIAL OPDs: 2013
  - CHRONIC OPD : 2894
  - NATIONAL TUBERCULOSIS ELIMINATION PROGRAMME: 397
  - No. of children started on INH prophylaxis started in RNTCP OPD: 117
  - Nutritional Assessment of Children (POPD): 4939
- o Referred to NRC – 113
  - National AIDS Control Programme & STI Programme: 3543
  - IDSP: AFP:31
  - Investigations done under Aapli Chikitsa - 1967
  - Special Activities/ NGO visits were arranged
- Rural Health Services
  - a) Pise-Panjrapur RHTC :
    - OPD Services: 1948
  - b) Sakwar RHTC:
    - OPD Services: 1780
    - Health education sessions conducted: 48
    - Various Activities were undertaken at Sakwar RHTC like Importance of Breast-feeding, right techniques of Breast feeding with explanation of the theme, 'Protect Breast-feeding: A shared responsibility' was given to the CHVs by Faculty
  - c) Khadavli RHTC:
    - General OPD: 12896
    - Immunization: Sessions: 20 Total Beneficiaries = 254
    - Pulse Polio sessions – 44 and 11 mobile sessions Total Beneficiaries = 2985



Various Outreach Camps were attended by Residents of Community Medicine:

- o The center conducts following types of Health education activities:- Regular , Special Days, Creating and uploading educational material , Creating Material for the Institute and other departments as required.
- o Special activities/ NGO visits:
  - NGO Visits: YUVA,SNEHA,NAVNIRMAN SAMAJ VIKAS KENDRA
  - Workshops: NGO child line, VPD and AFP surveillance
  - Awareness Programs: Health, Leprosy , breast cancer, breast feeding
  - Celebrations: World diabetes Day, World Health Day, World No Tobacco Day, International Yoga Day, World Breast feeding week
- Dr. Mridula Solanki, Professor (Addl.) was involved in HSS (HIV sentinel Surveillance) 2020-2021 and resource person for all the training during this tenure and conducted supervisory visits in 21 centres all over Maharashtra

### **Dentistry**

- Dental care is offered to municipal school students attending school clinics at KEM in the afternoon.

### **Dermatology**

- Social awareness regarding blistering disorders by conducting “PEMPHIGUS MEET” in the month of January every year.
- Leprosy Day 30-01-2021- patient awareness programme
- Attending primary health care Dermatology OPD of 150 to 200 patients per week on Tuesday in Malwani.
- KEM Dermatology clinical meet on 26-03-21
- Vitiligo day is celebrated on 25-6-21, with spreading awareness regarding the disease to the patients telephonically.
- Camp at Kandivali on 29/04/2021
- Camp on Dr Babasaheb Ambedkar Mahaparinirvan diwas- Chaityabhoomi Dadar on 05/12/2021 and 06/12/2021
- Clinical meet on connective tissue disorders in collaboration with ICMR.

### **ENT**

- 4/12/21 to 6/12/21 – Medical camp at Shivaji Park, Dadar for Mahaparinirvan Din of Dr Babasaheb Ambedkar
- Participated in Lifeline express Camp: 21-25 Nov, 2021 at Angul, Bhuvaneshwar, Odisha
- Will be participating in Lifeline Express camp 17-21 Dec, 2021, Balrampur, Uttar Pradesh

### **Forensic Medicine and Toxicology**

- Project with Maharashtra Police Academy and Mumbai Police for training of Medical Officers and Nursing staff of MCGM for women safety under safe city project, Nirbhaya Fund.
- Project for disaster Victim identification for defense personnel with Indian Dental Association.
- Training conducted for API, Senior Inspectors and ACP officers at Maharashtra Police Academy, Nashik and Police Training Centre, Khandala
- Project for Disaster Victim Identification for defence personnel with Indian Dental Association
- Resource Faculty at various medicolegal CME, CDE, GCP workshop, etc.
- Lectures given to NGOs on promotion of cadaveric organ donations.
- Forensic Medicine lecture on Crime Scene Investigation, evidence collection, examination of victim of sexual assault, etc.
- Expert Opinion given in the case of sensitive issue, complicated medicolegal cases & sexual assault cases.
- Forensic Odontology lectures conducted for UG & PG student at Nair Dental Hospital College,
- Forensic Science Lecture for Law Student at Maharashtra National Law University.

### **Gastroenterology**

- Dr. Akash Shukla has been Nominated to the TRG of NVHCP, CoI, steering committee of Maharashtra for NVHCP and national surveillance program on NVHCP for MoH & FW, CoI.
- Awareness activation for organ donations.
- Wrote the SOP for carving out transplant during COVID for DHS, GoM

## General Surgery

- Support for Blood Bank Drives arranged by Blood bank
- Medical Support for major public gatherings and public events
- Dept runs Breast Cancer Survival Support Group
- Stoma care education to relatives in Stoma Clinic

## Hematology

- Cancer awareness programme:
- Hemophilia Care patient awareness camps
- Education with fun activity for cancer patients by Alcargo trust.
- Nutritional and Hygiene awareness programme in leukemia and other blood disorder patients
- Awareness on Role of exercise and occupational therapy in leukemia patients
- Education with fun activity, outing, Birthday celebration, Festival celebration, Cancer Awareness, Parents support group meeting for cancer patients by Cankids trust.

## Medicine

- Dr. Kavita Joshi:-Ministry of Social Justice Empowerment, Government of India National Institute of Social Defense Online Regional Workshop Organised by Regional Resource & Training Centre (RRTC) Under Centre for the Study of Social Change (CSSC) In Association with King Edward Memorial Hospital (KEM) and Seth Gordhandas Sunderdas Medical College On “Covid situation and vaccination” and vaccination” On 23rd March 2021.
- Dr Smrati Tiwari :
  1. Talked in a social media platform GalaxShe on Battling Covid Frontline perspective on 18 th April 2021
  2. Took a covid awareness webinar on 17 th April 2021 on social media platform for My Safe Place
  3. Took a webinar for NGO caregiver Sathi on “counseling for family caregivers a doctors perspective “ on 8 th January 2021

## Microbiology

- Providing counseling and HIV antibody testing services for direct walk in clients.
- Counselors following up with PLHIV for increased linkage to care and support.

## Neonatology

- Initiation of inpatient Neonatal Palliative Care project in collaboration with Tata Memorial Hospital, under aegis of Cipla Foundation
- Social Awareness camps and lectures:
  1. Weekly meetings with parents of babies admitted in NICU to educate them about Preterm and Low Birth Weight care. Approx 1200 families are educated in 2021.
  2. Awareness regarding prevention of COVID 19 in neonates for parents and relatives of babies admitted in NICU.

## Nephrology

- Specialised Medical Social Worker (MSW) service attached to the Department of Nephrology
- Weekly education programme for patients with end stage kidney disease and transplant
- Weekly counselling programmed for patients with kidney disease and their care givers
- Dr Divya Bajpai is associated with Kidney warrior's foundation (dealing with burden of kidney disease in the community). She participated in video film compilation of paediatric patients with kidney diseases.

## Neurology

- Epilepsy Awareness Program on World Epilepsy Day on 17 Nov 2021
- Participated in Epilepsy camp organised by National Health Epilepsy Camp on 21 Nov 2021

## Neurosurgery

Dr Chagla has been treating patients in the Konkan Belt and is starting a free accident relief unit at Kambla Mahad on National Highway 66 which connects Maharashtra to Kerala on the coast

## **Ophthalmology**

- junior and senior residents regularly attend eye camps /school camps and eye examination camps for inmates in jail.
- department staff and servants provided their services in covid wards/icu during covid19 pandemic.
- diabetic retinopathy, retinopathy of prematurity screening .
- raised donation for post covid mucormycosis patient in the form of oral antifungals, blankets and ration.
- Donation for health care workers in the form of N95 masks and PPE kits.

## **Orthopaedics**

- Our staff members participated in local and regional social services camps.

## **Paediatrics**

- Blood bank camps attended by Resident Medical Officers-- 4
- Regular health camps attended by Resident Medical Officers -6

## **Paediatric Surgery**

- Birth Defect Clinic (BDC) – Counseling and early intervention of congenital anomalies: 591 families counseled since Jan 2021

## **Pathology**

- Participation in blood donation camps throughout the year

## **Pharmacology and Therapeutics**

- A team of 7 Ayurveda residents posted at Ayurveda Research Centre with 2 class IV employees participated in Health Camp organized at Chaityabhumi from 5<sup>th</sup> to 7<sup>th</sup>December 2021 to provide care and awareness about rational use of Ayurvedic Drugs. 130 patients were examined and prescribed Ayurvedic drugs.

## **Physiology**

- Residents and faculty were involved in COVID -19 Vaccination programme and COVID care centres.

## **Physiotherapy**

- Community outreach health services undertaken- Education session for students and their parents of Gokhale education trust, Parel by Dr. Archana Gore (PT).
- Public awareness talk by Dr. Mariya Jiandani (PT) for GP and patients in Marathi about Physiotherapy in COVID patients.
- Social Awareness camps and lectures were organised
- World physiotherapy day- 8th September 2021
- World heart day program 2021

## **Plastic Surgery**

- Partnership with Resurge International wherein every patient under its fold is provided complete free surgery and post operative rehabilitative aids
- Offered surgical and outpatient services to camp in lifeline express

## **Psychiatry**

- Malvani Community Outreach Centre  
Total Malvani Patients  
New cases – 131  
Old cases – 1857
- Social Awareness Camps and Lectures
  - o Psycho education groups conducted along with team once every week by the Psychiatry Social workers.
  - o Guidance provided to students of M.A. in Social work by Psychiatric Social Workers.

### **Pulmonology Medicine**

- Asthma Education: The department of Pulmonary Medicine has an asthma education programme for indoor and outdoor patients. Asthma education was imparted to 241 patients.
- Patients and relatives are being educated about airway diseases. They are counselled and educated about details of disease, triggers, possible etiology, treatment options and techniques of inhalers etc.
- Wall Mold and Air Samples -698
- Social Awareness camps and Lectures: Asmita Vahini, awareness on respiratory disorders post COVID (akashwani)

### **Surgical Gastroenterology**

- Dr Chetan Kantharia and Dr Ramkrishna Prabhu provided logistic help in rendering care to COVID-19 patients.
- Dr Sharvari Pujari actively rendered her services in providing patient care to COVID-19 patients.
- Social Awareness Lectures were delivered by Dr Chetan Kantharia, Dr Ramkrishna Prabhu and Dr Sharvari Pujari at various forums including on Television and for Hospital Staff including sisters

### **Transfusion Medicine**

- A single organization i.e. Tarun Mitra Mandal had organized 3 Blood donation camps in the year 2021. On 03.01.2021-570 blood units were collected. On 22.5.2021-367 units and 26.09.2021-293 units of blood collected. Tarun Mitra Mandal contributed a total of 1230 blood units in the year 2021.
- Possa Hospital Bhayandar organized a Blood Donation Camp on 7.1.2021-148 units and 27.6.2021- 242 and total 390 blood units were collected.
- Rashtra Seva Dal, Dapoli, blood donation camp held on 28.1.2021. Total blood units collected were 113 units.
- Mumbai Police Batch No 2008 Naigaon blood donation camp was held on 1.6.2021 total blood units collected were 225.
- L and T Company Powai organized a blood donation camp on 27.7.2021. Total units collected were 200 units.
- Patanjali Foundation, Sahapur hasorganised ablood donation camp on 5.9.021. Total units collected were 84 units.
- Indico Company had organized three blood donation camps on 23.9.021 in Santacruz-32, Rabale-90, Rasayni (Khopoli)-26. Total units collected were 148 units.
- Blood donation camp was held by Tata Pawar Company at Bhira and Khopoli on 6.10.021and 7.10.21 Total units collected were 119 units.
- Mr. Kalidas Kolamkar, Naigaon camps organized blood donation camp on 13.11.021. Total units collected were 201 units.
- Mazgaon docyard, Dockyard camp was held 18.11.2021. Total units collected were 275 units.

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# Donations and Grants

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# Donations and Grants

## Anaesthesia

- C ARM by Hume Pipe Ltd
- USG EDGE 2 By Hume Pipe Ltd

## Biochemistry

Rs. 40,000 received each from Ortho-Clinical Diagnostics, Becton Dickinson Diagnostics and Randox Laboratories for conducting CLINICAL LABORATORY PRACTICES: A QUALITY APPROACH” certificate course in Aug 2021

## Cardiology

- Installed state-of-the-art 2D echocardiographic machine (Vivid iq, GE Healthcare Ultrasound) through The Indian Hume Pipe Company Limited, Mumbai for dedicated ICU care
- The department has received a grant for state-of-the-art 2D echocardiographic machine (Vivid iq, GE Healthcare Ultrasound ) through The Indian Hume Pipe Company Limited, Mumbai for dedicated ICU care. The department could also set up two well equipped dedicated ICCU beds for TAVR and complex structural intervention patients . The department has been enrolled for many new landmark trials for newer cardiovascular drugs (SELECT, ZEUS).

## Cardiovascular and Thoracic Surgery

- Donation for needy pediatric patients requiring cardiac surgery received from Makharia trust

## Clinical Pharmacology

- COVOVAX™ clinical trial – Serum Institute of India- 39,87,469 INR
- COVISHIELD™ clinical trial – Serum Institute of India- 52,73,468 INR
- Phase IV study of a Rabies monoclonal antibody- Serum Institute of India- Rs 4 lakhs
- INCENTIVE – flu vaccine studies – Department of Biotechnology, Govt of India- 1 crore rupees
- Ayurvedic preparation KalmCold in URTI- 47,31,815 INR
- Ayurvedic preparation GutGard in GERD – 36,31,300 INR
- Meningitis vaccine study – Serum Institute of India – 36,03,600 INR

## Dermatology

- Dr. S.W. Patange Rs 25,000/- for strengthening department.

## ENT

- Donations for Health care workers in the form of Vitamins ,high protein snacks, dried fruits, scrubs, tea, coffee, spiced tea, horlicks, ORS, butter milk etc.

## Gastroenterology

- Research Society : Rs. 75000/- (Gonadal dysfunction in Budd Chiari syndrome before and after therapy)
- Research society: Rs. 75000/- (Gonadal function in NCPF and EHPVO)
- Research society: Rs. 75000/- (Correlation of genetic and phenotypic profile in children and young adults with idiopathic acute, acute recurrent and chronic pancreatitis: a prospective observational study)

## Hematology

- Karo trust – Providing the financial support and nutrition support RUTF
- Vasantha Memorial Trust – Donation for Medicines and Food grains.
- Cancer patient Aid Association – Donation for drugs
- Ratan Tata Trust
- Cuddles foundation

### Microbiology

- MDACS- 2,15,000/-for ICTC-M, EQAS and ART activities
- NACO/MDACS-4,00,000/- for Viral load testing and 1,25,000/- for HSS-ANC and HSS-HRG Programme
- FIND India- Equipment – Automated nucleic acid extraction machine and other equipment for Pandemic related diagnostic activity

### Neonatology

Name of Donor	Amount donated / Equipment donated (Rs.)	Specific activity for which donated
State PIP, NUHM	32,97,000.00 (Balance carried forward from 2020)	Facility Based Newborn Care project
State PIP, NUHM	1,81,000.00	SNCU Software project
State PIP, NUHM	10,00,000.00	NICU Operational Cost
Rotary Club of Bombay Sea Coast and Inner Wheel Club of Bombay Sea Coast	Shaker water bath (Human Milk Bank) 1 Breast milk pumps 5 KMC bags 200	Human Milk bank and Kangaroo Mother Care
Lion's Club of Byculla	Air oxygen blenders 2 Pulse oximeters 3 NIBP monitors 1 Transport phase changing unit 2	NICU care and Neonatal transport
Inner Wheel Club of Bombay	100 Kangaroo bags, 50 mattress sheets, 50 baby frocks, 50 caps	Developmentally supportive care
Swasth Foundation	N95 masks 400 PPE kits, face shields.	HCWs protection during COVID 19

### Nephrology

- ISN Grant of 1 lac for the project- Complement system abnormalities in patients with atypical HUS and their impact on clinical outcomes.
- ISN Grant of 1 lac for the project- Iron Overload in patients with CKD
- Research Society grant for “Ovarian dysfunction in lupus nephritis” – Rs- 75000
- Research Society grant for “Genetic Abnormalities in MPGN” – Rs- 75000

### Occupational Therapy

- Dr Alok Patil coordinated with the Lions Club- Bombay Garden View and facilitated donation of an advanced wheelchair and lower limb prosthesis to be used for student and patient education, on 22<sup>nd</sup> October 2021.

### Ophthalmology

- Rotatory Club of USA donated Rs. 33,60,000 for ERG and VEP Machine
- Rotatory Club of Bombay Global Grant No.2098308 of Sight 3 donated US\$187443 for Corneal Cross-Linking, Combined Topography With Puff Tonometer and Aberometer, Octopus Actoperimeter
- Lions Club of Bombay and Queens Way Donated Rs 1,85000 for Zeiss Surgical Microscope and Recordind System
- Sanyog Trust donated RS. 24,90,000 for I-Case Tonometer
- Ms Bhairvai Vakil donated Topcon Fundus Camera With FA
- Moneylife Foundation donated N95 Masks, Non Contrast, Infrared Thermometer

### Paediatrics

- Thyssenkrupp Industrial Solutions Ltd. (TKIS), India [under CSR Program]- Rs. 15,18,160/-for Purchase of 20 Syringe Infusion Pumps to Pediatric Intensive Care Unit
- MPS Limited- Rs. 4,00,000/- Educational (research) grant for LD Clinic
- Funds of Rs. 27 lakhs collected through crowd funding organization- ImpactGuru for enzyme replacement therapy for a new patient with Gaucher diseases Rs. 27,00,000/- for Patient Care



### **Paediatric Surgery**

- Erbe India Pvt. Ltd for Phototherapy Machine and Masimo Pulse Oximeter
- Anjeze Charitable Trust for Hygiene Kits, Maternity Kits, goodie bags & Diapers

### **Pharmacology and Therapeutics**

- Research grant of 75,000/- received to the project by Shetty YC ,Kulkarni A, Jaju T, Parhe A “Evaluation of the Chondroprotective effect of Doxycycline in Monosodiumiodo-acetate induced osteoarthritis in wistar rat”, from Research Society for the year 2021-22

### **Physiotherapy**

- Received foot pressure measuring instrument, Vascular Doppler for measuring ABI worth Rs. 1,60,000 From Lion's club, Shivaji park.
- Electrotherapy equipment for patient care from Shivaji park lion's club, worth Rs 60,000/-
- Received food supplements for Physiotherapy COVID warriors worth Rs
- Chinmaya Mission trust in the form of equipments for Post COVID and Cardiopulmonary rehabilitation OPD worth Rs.6 lakhs and 50 thousand.

### **Plastic Surgery**

- Patient care : ReSurge International (post Burn Patients)

### **Psychiatry**

- Multidisciplinary Research Unit grant for study on Personality Profile of patients for Renal and Liver Transplant
- Grant from UNICEF for Psychosocial Support Cell Helpline.
- Received a total of Rs.820993 towards patient care.

### **Pulmonology Medicine**

- Colgate company has donated 10 beds with mattress with remote for IRCU.
- Oxygen concentrator with charger was donated to patient.
- One Bipap machine (Resmed) was donated through Social Service Dept from Mr. Hitesh Mishra (Son of late Mr. S.S.Mishra).
- Department has received Ambu A scope (three in number with monitor).donated by Rotary club of Bombay Bayview charitable trust President Rotarian Sunita Parekh 20-21.

### **Urology**

- Received Rs 25 lakhs donation from CU Shah Charitable Trust and purchased 30W Holmium laser machine and C arm Xray machine from the donation



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# Education

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# Education

## Anaesthesia

- Course offered, Intake for current Year results :
  - o MD Intake : 21 Results : 100%
  - o Fellowships in Chronic Pain, Neuroanaesthesia, GI anesthesia, Regional Anesthesia...2 students for each fellowship
  - o CPR : Advanced Cardiac Life Support (ACLS) : Workshops, attended by approx. 300 students.
  - o B.P.M.T. (OT Technician) Intake : 10 Results : 100%
- New courses added and Intake : MUHS
  - o Fellowship Course in Pain Medicine - 01
  - o Fellowship Course in Neuro Anaesthesia - 02
  - o Fellowship Course in Regional Anaesthesia - 02
  - o Fellowship Course in Gastroenterology Anaesthesia - 02
- Library:
  - o No. of books : 700
  - o Computer equipped Dept. library is available for use to faculty and residents.

## Anatomy

- Continued e-Teaching Learning and Assessment Modules for First MBBS, FYBPTH, FYBOTH, I BSc PMT and MD Anatomy students
- Conducted live Webinars with students on google hangouts meets, created google classroom for students teaching learning and assessment. Conducted online teaching and feedback on large and small group discussions
- Used Digital Lecture Theatre and Dissection hall for online teaching & revision program with newly prepared dissection video modules
- Continued Professional Development of staff members by attending various online programs (FAIMER Philadelphia, FACE- FAIMER Competency-Based Education Professional Development Program for Global Health Professions educators, NMC Observers for Revised Basic Workshop & CISP, Basic course in Biomedical Research etc.)

## Biochemistry

- Programs organized by the Department
  1. Online certificate course was organized on "FIRST CLINICAL LABORATORY PRACTICES: A QUALITY APPROACH from 3rd Aug to 5th Aug 2021
  2. AITO (Integrated Teaching Programme - Horizontal & Vertical) in coordination with Departments of Physiology, Anatomy, Medicine, Surgical Gastroenterology and Nephrology) along with Department of Biochemistry for the following topics.
    - a) Cell
    - b) Jaundice
    - c) Clinical Enzymology
  3. **ICMR Short term Studentship (STS) program** for medical undergraduates to familiarize them with research methodology.

Courses offered by the Department

Sr. No.	Courses Taught	Intake of Students for (2020)	Affiliated University
1.	MBBS - I Year	250	MUHS
2.	B.P.Th. - I Year	40	MUHS
3.	B.O.Th. - I Year	40	MUHS
4.	B.P.M.T. - I Year (Cardiology Technician & Perfusion Technician)	10	MUHS
5.	PG-DMLT	10	MUHS
6.	Ph.D. Medical Biochemistry	3	MUHS

## Cardiology

### Courses offered and intake for the current year:

- D.M. Cardiology:
- M.D. (Medicine/Allied) – Residents from department of medicine are posted for a period of 1 month in Cardiology on rotation basis.
- BSc PMT – Intake of 5 Students per year.
- IIIyr BPT and BOT students & MPT students for clinics, learning patient care and rehabilitation.
- Observers in Critical care and Palliative Medicine from Tata Memorial Hospital.
- Nursing students from various institutions are allowed observership as per administrative directives.
- Observers from Department of Palliative Medicine at Tata Memorial Hospital

## Cardiovascular and Thoracic Anaesthesia

- Elective Trainees in 2021: 2 DM cardiac anaesthesia resident
- One Fellowship resident in cardiac anaesthesia.
- Both DM cardiac anaesthesia resident of batch 2018-2021 and fellowship batch 2020-2021 have passed in first attempt. (100% results)
- Library
  1. Kaplan's Cardiac Anesthesia
  2. Principles of CP Bypass (Gravlee)
  3. Atlas of Transesophageal echocardiography
  4. Textbook of Echocardiography
  5. Pediatric cardiac anesthesia
  6. Principles and practice of Cardiac Anesthesia
  7. Annals of Cardiac Anesthesia
  8. Journal of Cardiovascular and Thoracic Anesthesia

## Cardiovascular and Thoracic Surgery

- The department offers the M. Ch Course of three years duration in Cardiovascular & Thoracic Surgery under the aegis of the Maharashtra University of Health Sciences Nashik.
- We have an intake of 6 this year.
- The residents go through a rigorous training program aimed at attaining basic clinical and surgical skills. The residents rotate through other disciplines like Cardiology, Chest medicine, Vascular Interventional Radiology, Congenital heart surgery at Childrens Heart Centre at Kokilaben Hospital and Surgical Oncology at Tata Memorial Hospital. The department also runs one year certificate course in the Extra Corporeal Perfusion Technology. The intake is of three students every year.
- 3 Honorary Consultant have joined the department
- Library – Departmental Library - 358 books
- Two Functional Departmental Vascular Lab with Weekly Hands on Training session

## Community Medicine

- International observers and elective trainees: A structured training program has been developed for foreign students visiting GSMC /KEMH "Observership Program". As a part of the program, students undergo training in various areas in Community Medicine viz. Rural health, health programs, etc. Students are also sent for field visits at Rural health training centre, Malvani Urban Health centre, Naigaon health centre, GOPD, IDSP, under five clinic etc.

- Courses offered, intake and results:**

	Course offered	Intake	Results (2021)
1	M.B.B.S.	180	Pass –177, Failed -1 Not appeared-2
2	M.D. (Comm. Med.)	Past- 15 Casual-1 19 Current	Passed- 12 Failed-3 Casual- 1 Passed
3	PhD (Community Medicine)	2 Students (MGM IHS) completed PhD under Dr. G. D. Velhal. 6 students pursuing PhD in the Dept.	
4	Postgraduate course in Pharmaceutical Medicine	Lecture courses in Community Medicine conducted by PSM Dept.	
5	Bachelor of Occupational therapy (B.O.Th.)	Lecture courses in Community Medicine conducted by Community Medicine Dept.	
6	Bachelor of Physiotherapy (B.P.Th.)	Lecture courses in Community Medicine conducted by Community Medicine Dept.	

- Post Graduate Students Academic Activities for M.D.**

Faculty Lectures	Monday
Biostatistics & Research Methodology	Tuesday
Journal Club presentation	Wednesday
National Health Policies and Programs	Thursday
Case Presentation	Friday

- Postings of RMOs – KEM Hospital – 22 months (which includes posting in General OPD, IDSP, UIP OPD, Naigaon Under -5 clinic & Naigaon geriatric OPD.), Rural health training center – 4.5 months and Malvani Urban Health Center - 8.5 months.
- Posting in Kasturba Infectious Disease Hospital for one month on rotation basis
- Involvement of PG students in departmental research projects.
- Visits to Non-Government Organizations (NGO) working in field of health or health related Activities, Essay writing on topics of Public Health importance/issues, Recent Advances, PG Examination Preparation (Writing and Discussion).

## Dermatology

- Courses offered

Name of course	Intake capacity for current year	Result
M. D. Skin and VD	6	Pass
Fellowship in diagnostic dermatology	2	Pass

- International Observers and Elective Trainees in 2021

Name of trainee	Purpose	Origin
Dr Dipali Rathod	Diagnostic dermatology	Mumbai
Dr Sheena Kapoor	Diagnostic dermatology	Mumbai

- Library

Library is well maintained and updated till date

## Endocrinology

Courses offered

- DM Endocrinology – three students
- Three Students Passed DM
- Diploma Diabetology (DD): one student
- Added course :Endocrine Oncology Fellowship

**Library:** Number of Books - 489

## ENT

- Symposiums and lectures held by the faculty
- Faculty was invited for Panel discussions
- Fellowship program in Laryngology to be started

### **Forensic Medicine and Toxicology**

- Courses offered MBBS and BPMT
- Intake MBBS : August 2021: 250
- Passed :188
- Forensic Odontology, Disaster Victim Identification at Medicolegal Institute, University of Turin Italy.

### **Gastroenterology**

- Three candidates completed DM Gastroenterology training.
- Two residents from Tata Memorial Hospital completed 6 months training at KEM Hospital.
- Chosen as centre for training in hepatology- Interventional radiology fellowship by INSAL
- Hepatology fellowship : 2 candidates.
- Library
- Total 175 books in departmental library including subscriptions for elite journals Eg. Hepatology.

### **General Surgery**

- MUHS approved course of Breast Fellowship (2 fellow intake per year) as the first independent fellowship course in department of general surgery under Dr. Shilpa Rao
- Surgery Junior Residents Orientation Program (SJROP) in December 2021.
- CME -Approach to Critically Ill Surgical patient in July 2021
- CPR training of all Surgery Residents.
- Proposed to start BPMT Emergency Medicine MUHS Fellowship Course

### **Hematology**

- Department of Hematology along with NIH is one of the two international hemophilia training center in India where trainees are trained in comprehensive care of hemophilia in all the aspects of hemophilia management.

### **Medicine**

- Intake -23 for MD medicine
- 2 Fellowships

### **Microbiology**

- The department carried out undergraduate training for MBBS, B.Sc.(OT) , B.Sc. (PT), BPMT, and B.Sc.(nursing) students. Post graduate training was provided to MD (Microbiology), M.Sc. (Microbiology) by research, and PGDMLT and Ph.D. students until lockdown and online thereafter.
- The pass percentage for M.D in 2021 was 100 %.
- Library (Departmental Library ) Books – 239
- Journals – IJMM, JPGM (now e-prints only)
- Fellowship course in Infection Prevention and Control with specific reference to Hospital Acquired Infection which is approved by MUHS is continued.

### **Neonatology**

- National observers cum trainee: 2 Pediatricians & 23 nurses from Alibaug, Nashik, Ulhasnagar, Amravati, Jalgaon and Nandurbar districts of Maharashtra trained in neonatal care under Facility Based Newborn Care program
- Organization of 6 Facility Based Newborn Care Observership Training programs of 14 days each for pediatricians & nurses from Maharashtra, Gujarat, Orissa & Chhattisgarh.
- Organization of 6 SNCU Observership training programs (14 days each) for pediatricians & nurses from various districts of Maharashtra, under NUHM, National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India
- DM and MCh residents from Pediatric Anesthesia and Cardiothoracic Surgery departments respectively posted for allied posting in Neonatology.



Courses offered	Intake
DM( Neonatology)	4
MUHS Fellowship	2

- **Library :** Total no of books : 200

## Nephrology

Courses	Intake	Results
DM Nephrology	2 students per year	100%

- Regular posting of DM candidates from Palliative Medicine department Tata Memorial Hospital, Mumbai.
- Dr Vikrant Bhagat, DM resident from Govt Mohan Kumaramangalam Medical College Hospital, Salem, TN, completed 4 weeks observer-ship at the department.
- Conducted a successful CME on Obstetric Update in July 2021 which was attended by 1100 delegates.
- Literature access through departmental library- Total number of books- 370+ and journals (national and international)

## Neurology

- Two students per year for DM Neurology.
- Two posts per year for Epilepsy Fellowship (Post-Doctoral)
- 5 students per year for B.Sc. Paramedical Technology
- Library –holds 250 books.
- Every Saturday lectures conducted for OT/PT students.

## Neurosurgery

- Teaching sessions for the students of first, second and third year MCh students
- Monthly mortality meeting is being conducted
- Faculty members also delivered lectures on various topics pertaining to recent advances in neurosurgical practice in various national and international meeting.
- Courses offered

Courses Offered	Intake for the current year	Results of Exams
MCh Neurosurgery	4	2018 Batch all students passed

- Library: 1000 books journals and periodicals

## Occupational Therapy

Year	Result
First BOTH	37.5%
Second BOTH	92%
Third BOTH	88%
Fourth BOTH	98%
MOTH - Neurosciences	100%
MOTH - Developmental Disabilities	80%
MOTH - Musculoskeletal Sciences	100%

- **Library:**
  - o 60 Journals (3 journals were subscribed annually: American Journal of Occupational Therapy: 6 issues/year, Archives of Physical Medicine & Rehabilitation: 12 issues/year & British Journal of Occupational Therapy: 12 issues/year)
  - o Departmental Library Holdings for Books: 850 Reference Books.

## Ophthalmology

- Courses offered –MS Ophthalmology - 3 Seats
- Department library has 102 books
- Training and teaching programmes for 3<sup>rd</sup> year MBBS and BPMT students
- 2 observers underwent training in department of ophthalmology this year .
- passing percentage for MS/DOMS was 100% in 2021.

### Orthopaedics

- Courses offered – MS Orthopedics,
- intake of 24 post graduate candidates
- monthly clinical meets, educative ward rounds and bedside clinics apart from scheduled under graduate and post graduate lectures.
- updated departmental library and online journal data base is available

### Pathology

- Courses offered:
  1. M.D. (Pathology) – 14 students per year
  2. MBBS –250 students per year
  3. D.M.L.T - 10 students per year
  4. B.P.M.T Course – 5 students
  5. Fellowships in Cytopathology, Renal Pathology, GI Pathology, Cardiovascular Pathology, Pediatric Pathology and Neuropathology – 12 fellowship posts sanctioned per year & 10 fellows under training at present.
  6. Observerships offered for Autopsy training and Histopathology training to MD Pathology post-graduates in Pathology from all over India.
  7. Observership to many laboratory technology trainees from various colleges in Mumbai throughout the year.
  8. 100 new specimens mounted
- Library: 310 text books

### Paediatrics

- Courses offered
  - o 28 MD Seats
  - o 6 Fellowship Seats ( 2 in Paediatric neurology and Epilepsy, 2 in Clinical genetics and 2 in Paediatric Intensive Care)
  - o MSc in Applied Biology
- Library: 231 Books and Periodicals

### Paediatric Surgery

- Courses offered: MCh Paediatric Surgery
- Fellowship in Minimal Access in Paediatric surgery
- Library- 94

### Pharmacology and Therapeutics

Participation in UG and PG teaching and training activities:

- Teaching sessions for the students of II MBBS, II year BOTh, II year BPTTh, II year, BPMT and II year Nursing students of the college were conducted online using Microsoft Teams App.
- Two symposia were conducted for undergraduate students.
- 8 Journal Clubs, 3 Symposia, 10 Seminars and 3 presentations on Protocol planning were organised by the department and conducted for PG students.
- Post graduate students were posted in Pharma industry as a part of training for 2 months:
  1. 2020 Batch: Three postgraduate students were selected for a two-month internship program at AstraZeneca and two at GSK, Mumbai.
  2. 2019 Batch: Two post graduate students were posted at Novo Nordisk

Workshops / CMEs / Guest lectures organized:

- Workshop on Good Clinical practices and New Drugs and Clinical trials, Rules, 2021 was conducted by Dept. of Pharmacology & Therapeutics at Seth G. S. Medical College & K. E. M. Hospital for Ethics committee members of Jupiter Hospital, Thane, on 16<sup>th</sup> Jan 2021.
- The biennial national workshop “PHARMATECH-2021” was successfully carried out on a virtual platform 4 days of the week (Wednesday to Saturday) from 4<sup>th</sup> to 21<sup>st</sup> August 2021 for postgraduate students in Pharmacology. There was a huge response to the program and was attended by 194 participants.
- The department, in collaboration with AstraZeneca India, conducted a national orientation program for postgraduate

students in Pharmacology “PHARMASTEER 2021” on four Saturdays from 27<sup>th</sup> November 2021 to 18<sup>th</sup> December 2021. It was attended by more than 300 postgraduate students across India.

- Workshop on Good Clinical Practices and Research Ethics was conducted by Dept. of Pharmacology & Therapeutics at Seth G. S. Medical College & K.E.M. Hospital for Ethics Committee Members and Investigators of Dr. Vasant Rao Pawar Medical College Hospital and Research Centre on 11<sup>th</sup> October, 2021.
- Workshop on World Anesthesia Day '21 was conducted by the Department of Pharmacology and Therapeutics for faculty and residents of Anesthesia at Seth G. S. Medical College & K. E. M. Hospital on 16<sup>th</sup> October 2021.
- Courses offered

Courses Offered	Intake for the current year	Results of Exams
MD Pharmacology	10	2018 Batch all students passed

**Library:** Currently holding 816 books.

4 books for postgraduates and 6 books for undergraduates were added to the department library.

## Physiology

- Our faculty delivered lectures at faculty development programs in MET at Seth G. S. Medical College & KEM Hospital.
- Faculty attended various training courses in Neurophysiology, Basic course in Biomedical research and training in revised Basic Course workshop in Medical Education technology.
- Workshops for training in CPCPCR were conducted for I MBBS students in collaboration with Anesthesia department.
- Training for achieving competence in regional language, professionalism and ethics were organized by the department for I MBBS students
- Courses offered & intake for the current year

Courses offered	Intake for the current year
Postgraduate degree course in Human Physiology	<b>1 (II-year Resident)</b>
I MBBS	250
III MBBS (Integrated lectures)	180
FYBOTH /FYBPTH	40 + 40
III year OT	40
Bachelor of Para-Medical Technology 1 <sup>st</sup> & 2 <sup>nd</sup> year	25

### Student activity:

- o Seminars and E-poster competition were organized for First year MBBS students
- o Scholarship examinations were held for First year MBBS students (Shirwalkar examination)

### Library

- o Total no. of books in the departmental Library = 1661
- o No of new books added in 2021= 66

## Physiotherapy

	Courses	Duration	Intake	Results
I	Bachelors in Physiotherapy	Four years + Six months of Internship	40	I BPTH – 92% II BPTH –92.5% III BPTH results awaited IV BPTH-100%
II	Masters in Physiotherapy 3 specialty	Two years	Total =20	
III	PT in Musculoskeletal Science		8	100%
IV	PT in Neurosciences		6	100%
	PT in Cardiovascular & pulmonary Sciences)		6	100%
V	Externship	10 candidates from other institutes have come for externship this year		
VI	Library	Departmental Library with Computer facility and e books		

## Plastic Surgery

- Annual intake for MCh-4

## Psychiatry

- **Courses Offered And Intake in the year 2021:** M.D. (PSYCHIATRY) – 6
- **Results for the year 2021:** 6 MD Psychiatry candidates passed the MUHS Summer 2021 Examination.
- **New Courses/Activities:**
  - o 2 Fellows registered for MUHS approved one year Fellowship course in 2021
  - o International/National Observers/ Trainees in Psychology: 9
- **Books on Psychiatry and Allied Subjects:** 1015
- Workshops/CMEs/Training conducted by the department:
  1. Mental Health week online workshop Psychological First Aid for medical students. The topics included were
    - a. What is Psychological First Aid by Dr Ajita Nayak
    - b. What are the signs of concern? By Dr.Chrisenn Pereira.
    - c. Establishing effective communication. By Dr.Hemashri Chaturvedi.
    - d. Mind care and stress management by Dr. Kaneenica Ninawe.

Group discussion on various case scenarios were also included . Overall the students found it to be very informative and a good learning experience.
  2. 4 online Drug Deaddiction Training Programmes were held . More than 200 medical and paramedical staff from all over India were trained. The topics covered ranged from the epidemiology, assessment techniques and management of various Substance use disorders

## Pulmonary Medicine

Course	Intake	Result
M.D. Respiratory Medicine	4	4 students (2017-2018) passed University examinations in September 2020

- New course started: DM Pulmonary Medicine
- MBBS, Occupational and Physiotherapy students receive training

## Surgical Gastroenterology

- Observers and Trainees: Dr. Mayur Rupawat completed one year MUHS fellowship in Minimal Access Surgery.

## Transfusion Medicine

- Lectures are taken for second M.B.B.S. students, D.M.LT. Students, O.T. and P.T. students and the nursing students from S.N.D.T&various colleges.
- Technologists take specialized training in “Component Preparation and plateletpheresis.”
- The Department has well equipped library with the latest books and Journals on Blood Transfusion and Immunohaematology.

## Urology

- RIRS workshop conducted on 11 Dec 2021 and 12 Dec 2021 attended by guest faculty from Mumbai , Pune and students from Various medical colleges of Mumbai
- The department has a full-fledged training programme for M.Ch. residents since 1980 which is recognized by the University of Mumbai. It is also recognized by the Medical Council of India (MCI) and National Board of Examination, New Delhi to train DNB urology candidates. Many urologists trained here occupy prestigious positions not only in India but abroad also.
- The teaching program includes regular integrated undergraduate lecture for all the 3 terms and post-graduate teaching schedule for M.Ch. (Urology) students in the form of clinical, case presentation, bed side clinics, ward rounds, uro-nephrology meetings, Journal reviews and operative video session.
- P.G. Teaching :
  - a. Didactic lectures as per University program by faculty
  - b. Discussion of thesis work weekly
  - c. Discussion of research projects at regular intervals.
  - d. Clinical case discussion twice weekly
  - e. UG and PG teaching through lecture series

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# Patient Care

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# Patient Care

## Anaesthesia

- Anaesthesiology department catered to 43 operation theater tables located in 15 OT complexes. Anaesthesia services were given to about 63,000 surgical patients & the department catered to 25,000 Anaesthesia OPD patients for pre-operative evaluation.
- The department has special post-operative pain relief services and anaesthesia intensive care unit.
- Anesthesia services have started in MRI and additional OR tables in Orthopedic OT, Spine, Urology, EMS.
- Anaesthesia services were given for workshops conducted in the following specialties : Paediatric Surgery OT, Urology OT, Plastic Surgery OT, Ortho OT, Spine OT, ENT OT, General Surgery OT & G.I. OT.
- PAIN CLINIC OPD on every Wednesday from 1.30 p.m. to 3.30 p.m. Room No. 345, Multi storage Building, Ground Floor.

## Anatomy

- The faculty members and Resident doctors of the department of Anatomy were deputed for COVID duties (logistics, HR, COVID war room etc.) and vaccination duties. The department has provided infrastructural support for COVID-19 work.

## Biochemistry

- Central Clinical Biochemistry Laboratory (CCBL)  
Patients' samples are analyzed on:
  1. TWO Olympus AU 680 Fully Automatic Biochemistry Analyzers
  2. TWO Olympus AU 400 Fully Automatic Biochemistry Analyzers
  3. ONE Erba Mannheim EM 200 Fully Automatic Biochemistry Analyzer
  4. ONE Transasia ERBA Chem-7 Semi autoanalyzer
- The biochemical parameters which are analyzed on routine basis are:
  1. Blood Sugar (Fasting, Post Prandial & Random)
  2. Sr. Creatinine
  3. Blood Urea Nitrogen
  4. Sr. Total Protein
  5. Sr. Albumin
  6. Sr. Alkaline Phosphatase
  7. Sr. Uric acid
  8. Sr. Bilirubin (Direct & Indirect)
  9. Sr. Calcium
  10. Sr. Aspartate Transaminase
  11. Sr. Alanine Transaminase
  12. Sr. Electrolytes (Na<sup>+</sup>, K<sup>+</sup> & Cl<sup>-</sup>)
  13. Sr. Phosphorous
- Emergency Medical Services Laboratory (EMS Lab)
  1. Patients' samples are analyzed for biochemical parameters on:
  2. ONE Transasia XL 640 Fully Automatic Biochemistry Analyzer
  3. ONE Randox Rx Daytona Fully Automatic Biochemistry Analyzer
  4. ONE Erba Mannheim EM 200 Fully Automatic Biochemistry Analyzer
  5. TWO Transasia ERBA Easylyte Electrolyte Analyzers
  6. ONE Roche Electrolyte Analyzers
  7. ONE AGD Electrolyte Analyzer
  8. ONE Transasia ERBA Chem-7 Semiautoanalyzer

- Number of tests done in CCBL and EMS Laboratory from Jan 2021 to Dec 2021

Sr. No.	Name of Parameter	Total number of tests	
		CCBL	EMS
1.	Blood Sugar	155688	59876
2.	Sr Creatinine	178882	102343
3.	Blood Urea Nitrogen	178963	137821
4.	Serum Total Protein	213789	NA
5.	Serum Albumin	213789	NA
6.	Serum Alkaline Phosphatase	201855	NA
7.	SGOT	217454	NA
8.	SGPT	193421	NA
9.	Serum Uric Acid	21876	NA
10.	Serum Bilirubin (Direct & Indirect)	43430	6542
11.	Serum Electrolyte	129452 x 3	112563 x 3
12.	Calcium	92451	NA
13.	Phosphorus	53425	NA
	<b>TOTAL</b>	202392	644271

- CVTS Laboratory No. 315 (Lab 315)

Patients' samples are analyzed for biochemical parameters on:

ONE Randox Rx Imola Fully Automatic Biochemistry Analyzer

- Number of tests done in CVTS Laboratory (Lab 315) from Jan 2021 to Dec 2021

Sr. No.	Name of test Parameter	Total number of tests
1	ADA	-
2	Total CK	2494
3	CKMB	2494
4	Amylase	1173
5	LDH	11821
6	Cholesterol	22009
7	LDL	15025
8	HDL	15026
9	Triglyceride	22009
10	CRP	5437
	Total	97488

## Cardiology

- No. of Procedures done in Siemens & Philips Cath Lab from 1<sup>st</sup> January 2021 to 31<sup>th</sup> December, 2021

Sr. No.	Types of Procedures	No. of Procedures
1	Coronary Angiography	1350
2	BMV	68
3	BPV	02
4	BAV	02
5	ASD Device Closure	11
6	VSR Device closure	00
7	RSOV Device closure	03
8	PDA Device Closure	09
9	PCI with stent	656
10	Rotablator	08
11	Renal artery plasty with stenting	04
12	Electrophysiology Study and Radio Frequency Ablation	58



Sr. No.	Types of Procedures	No. of Procedures
13	PPI Implantation	64
14	Diagnostic Catheterization	19
15	AICD implantation	03
16	CRT implantation	07
17	Coarctoplasty	03
18	AP window device closure	00
19	HOCM Alcohol Septal ablation	00
20	TAVR	01
21	Pacemaker Lead Extraction	04
22	Aortic Aneurysm Device closure	03
	<b>Total No. of procedures</b>	<b>2275</b>

- Total No. of patients admitted in ICCU : 912
- Total No. of patient admitted in Wd. 32 : 2062
- Total no. of patients done CST : 309
- Total no. of patients done 2D ECHO/CD : 6320
- ECG : EMS – 26591; CVTC – 7998
- CVTC OPD : 35535

### Cardiovascular and Thoracic Anesthesia

- Near infra red spectroscopy for cerebral oximetry has been added in monitoring of on pump and off pump cardiac cases.
- Mc Grath video laryngoscope-Videolaryngoscope for paediatric and adult difficult airways.
- Video Double Lumen Tubes added to service
- DRAGER AVANCE CS2 workstation created

### Cardiovascular and Thoracic Surgery

- Out Patient Services
  - o Four Outpatient Clinics are conducted every week, Place CVTC Building, Ground Floor (307)
  - o Till 24 th December, around 1500 new cases were evaluated for various Cardiac Thoracic and Vascular ailments.
- Operative Work Details Total Admissions : 382
- Total Surgeries : 602 (cardiac: 360 Thoracic: 22 Vascular - 220 )

### Clinical Pharmacology

- Therapeutic Drug Monitoring Services- samples analyzed and reported
  - Total patients for anti- epileptic drugs - 1396
    - o Phenobarbitone- 130
    - o Phenytoin- 277
    - o Carbamazepine- 149
    - o Levetiracetam- 428
    - o Lamotrigine- 26
    - o Valproate- 479
- Total patients for anti- manic drugs [lithium]- 79
- Pharmacogenetics services- Total patients genotyped – 270
  - o Warfarin [CYP2C9, VKORC1] – 169
  - o Tacrolimus [CYP3A5] -39
  - o Clopidogrel [CYP2C19]-4
  - o Azathioprine [NUDT15] – 18 [from 20.7.2021]
  - o Phenytoin [CYP2C9, CYP2C19] – 28
  - o Carbamazepine [CYP3A5] - 12

## Community Medicine Services in KEM campus:

### a. General OPD services:

MONTH	MALE	FEMALE	TOTAL
Dec-20	2520	1332	3852
Jan-21	2775	1480	4255
Feb-21	3767	2130	5897
Mar-21	3514	2041	5555
Apr-21	1693	975	2668
May-21	1242	643	1885
Jun-21	2201	1238	3439
Jul-21	2743	1528	4271
Aug-21	3338	1571	4909
Sep-21	3526	1599	5125
Oct-21	3649	1680	5329
Nov-21	3705	1732	5437
<b>TOTAL</b>	<b>32153</b>	<b>16617</b>	<b>48770</b>

### Morbidity:

Sr. No	Symptom	Male	Female	Total
1	Muscle skeleton	2421	2011	<b>4432</b>
2	Fever	0	0	<b>0</b>
3	Headache	2462	2067	<b>4529</b>
4	ARI	442	331	<b>773</b>
5	Chest pain	1882	1820	<b>3702</b>
6	AGE	758	6454	<b>7212</b>
7	UTI	865	878	<b>1743</b>
8	Cough with Expect	0	0	<b>0</b>
9	PS for MP	2665	1915	<b>4580</b>
10	Ref for Bl. Sugar	1678	1247	<b>2925</b>
11	Skin	986	775	<b>1761</b>
12	STI/RTI	19	35	<b>54</b>
13	ICTC referral	82	78	<b>160</b>
<b>Total</b>		14260	17611	31871

### Laboratory reports:

Investigation	No. of patients
Hb. – routine	<b>7622</b>
Blood group	-
ESR	<b>3521</b>
FBS/PLBS	<b>3423</b>
RBS	<b>3641</b>
Sputum for AFB Positive	<b>0</b>
Sputum for AFB Negative	<b>0</b>
Urine pregnancy test	<b>0</b>

**b. Immunisation OPD:**

**Universal Immunization Programme:**

VACCINATION	MALE		FEMALE		TOTAL
	<1 YR	>1 YR	<1 YR	>1 YR	
OPV 0	2546	–	2314	–	4860
BCG	2540	–	2291	–	4831
PENTA 1, OPV 1, ROTA 1	250	–	182	–	432
PENTA 2, OPV 2, ROTA 2	175	–	128	–	303
PENTA 3, OPV 3, ROTA 3	147	–	107	–	254
IPV 1	250	–	182	–	432
IPV 2	147	–	107	–	254
MEASLES	94	–	85	–	179
DPT B1	–	83	–	62	145
MMR	–	71	–	58	129
DPT B2	–	55	–	50	105
PCV 1 ( July 2021 Onwards)	161	–	125	–	286
PCV 2	32	–	23	–	55
PCV 3	2	–	1	–	3
INJ TT.	–	–	–	–	0
<b>TOTAL</b>	<b>6344</b>	<b>209</b>	<b>5545</b>	<b>170</b>	<b>12268</b>

In addition, 3 rounds of National Pulse polio Immunisation on Sundays followed by a week of IPPI activities within the campus were conducted in the year of 2021.

**Vaccine Beneficiaries:**

Vaccine	Male	Female	Total
OPV 0	2546	2314	4860
BCG	2540	2291	4831
PENTA 1, OPV 1, ROTA 1	250	182	432
PENTA 2, OPV 2, ROTA 2	175	128	303
PENTA 3, OPV 3, ROTA 3	147	107	254
IPV 1	250	182	432
IPV 2	147	107	254
MEASLES	94	85	179
DPT B1	83	62	145
MMR	71	58	129
DPT B2	55	50	105
PCV 1	161	125	286
PCV 2	32	23	55
PCV 3	2	1	3
INJ TT.	–	–	0
<b>TOTAL</b>	<b>6553</b>	<b>5715</b>	<b>12268</b>

**Yellow Fever OPD (Jan2021-Nov 2021)**

Sr. No.	Month	Beneficiaries Vaccinated
1	January	157
2	February	147
3	March	154
4	April	136
5	May	46
6	June	72
7	July	68
8	August	92

Sr. No.	Month	Beneficiaries Vaccinated
9	September	150
10	October	110
11	November	117
	Total	1249

### Palliative Care Services Report

MONTH	WARD		ICU		OPD		FOLLOWUP VISITS		
	New	Old	New	Old	New	Old	Ward	ICU	OPD
Dec 2020	-	-	2	-	-	-	-	-	-
Jan 2021	-	-	1	-	-	-	-	-	-
Aug 2021	17	-	3	-	7	-	24	10	1
Sept 2021	19	2	-	1	3	-	39	1	-
Oct 2021	16	1	3	-	1	-	30	5	-
Nov 2021	15	-	2	-	-	-	27	5	-
Total	67	3	11	1	11	-	120	21	1
	70		12		11		142		
GRAND TOTAL			93						

### Integrated Disease Surveillance Program:

- o Daily Disease surveillance is done through IDSP established at KEM Hospital, PSM Dept. for patients with Acute Gastroenteritis, Leptospirosis, Dengue, Malaria and fever cases admitted in KEM Hospital. Epidemiological investigation in the field for these cases is carried out. The disease trend and high-risk areas are identified and informed to Epidemiological cell (Kasturba hospital Mumbai) for required action. The death cases are thoroughly investigated. Health check up camps are carried out in the vicinity of the outbreak areas by the PSM residents. Daily reporting of CCF OPD 24 hours report and cases and deaths of SARI (SARI surveillance) also started from 23.03.2020 and is ongoing. Currently the data related to IDSP is reported on IHIP IDSP portal which includes 33 plus diseases and syndromes.

### Indoor admission in KEM from Dec 2020 to Nov 2021.

Month	Fever	A G E	Lep to Elisa	Lep to Rapid	Den- gue Elisa	Den- gue Rapid	P. Vivax	P. Falci.	Mixed	Hepatitis		Enteric Fever	H1 N1	Cholera	Menin- igitis & Other	Rabies	Tetanus
										A	E						
Dec-20	87	10	8	8	7	7	21	8	3	0	0	6	0	0	3	0	0
Jan-21	84	5	14	3	1	2	11	8	0	0	0	4	0	0	2	0	0
Feb-21	94	13	9	0	0	0	10	2	0	0	0	8	0	0	4	0	1
Mar-21	105	4	1	3	3	0	14	0	2	0	0	4	0	0	1	0	0
Apr-21	143	1	7	1	5	0	7	0	0	0	0	5	0	0	0	0	0
May-21	116	4	1	2	2	0	11	2	0	0	0	5	0	0	2	0	1
Jun-21	111	1	23	12	1	3	24	3	0	0	0	6	0	0	3	0	0
Jul-21	130	3	30	4	13	1	26	9	0	1	0	4	0	0	3	0	0
Aug-21	133	4	38	12	54	33	45	8	2	2	0	1	0	0	3	0	0
Sep-21	134	9	45	12	98	45	21	5	4	1	1	3	0	0	5	0	0
Oct-21	108	4	32	14	77	40	22	7	1	1	0	5	0	0	8	0	0
Nov-21	87	7	5	4	40	18	12	3	1	0	1	1	0	0	6	0	0
Total	1332	65	213	75	301	149	224	55	13	5	2	52	0	0	40	0	2

### Dentistry

Total OPD patients - 9317

Procedures done:

- Extractions – 659
- Root canals – 108

- Restorative work (fillings) – 189
- FPD/RPD – 45
- Major and minor surgeries – 131

A Lot of patients with mucormycosis involving the maxilla were managed by the department during the second wave of covid infection.

## **Dermatology**

- No of OPD patients – 53887
- No. of biopsies per day – 10-15
- IPD patients- 131
- No. procedures per week – 250
- Special OPDs -
- Monday – Cosmetology
- Tuesday – Vitiligo and Histopathology reporting with Leprosy Clinic
- Wednesday – Psoriasis
- Thursday – Pediatric dermatology
- Friday – Acne
- Saturday – Trichology and Histopathology reporting with Leprosy Clinic
- All OPD days – Sexually transmitted infection (STI) clinic
- Services provided –
  1. Radio-frequency cautery removal
  2. Electrocautery
  3. Q switched NdYAG laser
  4. Intense pulsed light
  5. Excimer laser
  6. Comedone extraction
  7. Molluscum extraction
  8. Milia extraction
  9. Chemical peels
  10. Vitiligo surgery
  11. Scar subcision
  12. Scar revision
  13. Platelet rich plasma therapy
  14. Lipoma extraction
  15. Sebaceous cyst excision
  16. Steatocystoma excision
  17. Xanthelesma excision
  18. Nail removal
  19. Keloid excision
  20. Phototherapy
  21. Biopsy and histopathology
  22. Platelet rich fibrin
  23. Dermaroller
  24. Parring
  25. Dermabrasion
  26. Intralesional injection
  27. Diphenylcyclopropenone (DPCP) application
  28. Autologous serum skin test (ASST)
  29. Dermoscopy
  30. Needling
- Covid -19 emergency as well as OPD services provided by all residents and senior residents at KEM hospital and NESCO centre.

## Endocrinology

- All services are carried at OPD No. 103, 1st floor, OPD building, Seth GSMC and KEM Hospital, Parel, Mumbai.
- Pituitary meet: 1st Wednesday of every month: Here challenging cases are discussed with Neurosurgeons, Endocrinologist, Radiation Oncologist, Radiologist, and Neuropathologist for patient care improvement.
- Thyroid meet / Histopathology meeting: 2nd Wednesday of every month: Here challenging cases are discussed with Endocrinologist, Radiologist, and pathologist for patient care improvement.
- Adrenal meeting: 3rd Thursday of every month : Case based discussion between urosurgery, Generalsurgery, radiology, pathology, nuclear medicine physician and Endocrinology.
- Indoor admission: 326
- Outdoor patients:  
Diabetes: 4539 (New), 17558 (Old)  
Thyroid: 2974 (New), 5737 (Old)  
Puberty and Growth Clinic: 1246 (New), 1574 (Old)  
Total: 8759 (New), 24869 (Old)

## ENT

- Annual OPD Attendance: 28675 patients (till 31 Nov 21)
- Annual IPD: 888 (till 31 Nov 21)
- Surgical statistics: 1333
- Audiometry Testing: 2968
- No. of IPD BEDS Available For Department: -60

## Forensic Medicine and Toxicology

- Medicolegal Autopsy conducted on deceased forwarded for Post Mortem Examination by Investigation Officer.
- Estimation of age including sportsperson & others status. Consultation to surgery & medicine wards regarding the injury certificates in admitted cases.
- Expert opinions given on different Antemortem Cases Like: Sexual Assaults, Violent Asphyxias, Poisoning Cases,
- Forensic Odontology Expert Opinion given on cases of Sexual Assault, identification of unknown & Age assessment.
- Total Post-mortem Cases - 876
- Total Ante-mortem cases - 278

## Gastroenterology

- Started pediatric Gastroenterology services- OPD, wards, training of residents in pediatric gastroenterology.
- Started third space endoscopy services
- Six bedded liver ICU
- Capsule endoscopy services
- Telemedicine services during covid 19 pandemic to help patients to continue followup and therapy for GI and liver diseases.
- O.P.D. Patients : 14263
- New patients : 4613
- Follow up patients: 9650
- Indoor Patients admitted to Gastroenterology wards (32A & 41) : 1275
- Procedures
- Diagnostic
- Upper GI Scopy : 3337
- Colonoscopy : 968
- E.R.C.P. : 893
- Proctoscopy : 960
- Liver Biopsy : 84
- EUS procedures : 275

- Therapeutic Procedures
  1. Esophageal Variceal Sclerotherapy : 108
  2. Esophageal Variceal Band / Loop Ligation : 941
  3. Endoscopic clipping for bleeding lesions/ polyps :52
  4. Esophageal Dilatation :120
  5. Esophageal Prosthesis Placement :12
  6. Gastric varices with glue :160
  7. Bleeding Ulcer Injection :54
  8. EUS therapeutic Biopsy :60
  9. Argon Plasma Coagulation :64
  10. Endoscopic biliary sphincterotomy : 350
  11. Endoscopic pancreatic sphincterotomy and drainage : 90
  12. Pancreatic cyst drainage : 15
  13. Polypectomy :50
  14. Foreign Body removal :60
  15. Percutaneous endoscopic gastrostomy :15
  16. Rectal Stricture Dilatation : 15
    - o Capsule endoscopy : 8
    - o Therapeutic EUS : 10
    - o ESD : 1
    - o POEM-1
    - o TEG-138
    - o Manometry
    - o Esophageal-86
    - o Anorectal- 115

## General Surgery

The OPD days and units changed from 17.6.2021 as follows

Monday Morning	Monday Afternoon	Tuesday	Wednesday
Dr. Varsha Kulkarni (Professor & HOD) Dr. Mahadeo Garale (Associate Professor additional)	Dr. Samir Deolekar (Professor. Additional)	Dr. Aparna Deshpande (Prof.) Dr. Bhushankumar Thakur (Associate Professor)	Dr. Shilpa Rao (Professor) Dr. Ramlal Prajapati (Associate Professor)
Thursday	Friday	Saturday Morning	Saturday Afternoon
Dr. Samir Rege ? (Professor) Dr. Pravin Shinde (Associate Professor)	Dr. Jignesh Gandhi (Professor Additional)	Dr. Rajiv Karvande (Professor)	Dr. Suchin Dhamnaskar (Professor additional)

- Total admission:7,704
- New OPD: 24,187
- Old OPD: 13,292
- Total OPD pts: 37,479
- Major Surgery Elective OT: 902
- Major Surgery Emergency OT: 1787
- Minor Surgery Elective: 79
- Minor Surgery Emergency : 563
- Minor Surgery OT MSOT: 13,471
- General Surgery OPD, Breast OPD, Stoma Care OPD, Injection & Dressing OPD, Minor Surgical OT for OPD surgical procedures, Elective and Emergency General Surgical Services, Surgical Intensive Care, Emergency Surgical Intensive Care,
- Department is proud to have services for Basic and Advance Laparoscopic Surgeries, Surgery for Haematological disorder, Endocrine disorder
- Installed 6 high end very good quality ICU beds for patients in Surgical ICU, Ward-23. It will give ease of patient positioning and comfort to patient and nursing personnel.
- Department is supporting Covid 19 pts for any Surgical Emergency and operations throughout pandemic

## Hematology

- Beds: Total - 28
- 25000 patients in OPD basis and 13360 patients in day care along with 12468 in patients.
- The Department of Hematology runs an outpatient clinic three times a week on Mondays and Thursdays from 9.30 to 1.30 and on Wednesday on 11 th floor from 9.30 to 12.30 for follow up of CML and Aplastic anemia patients. During this period new patients are examined and investigated. Follow-up investigations of the old patients are also done.
- Patients requiring indoor admissions are admitted to Ward 42 on the 10th floor, New Multistory Building.
- We have an emergency service for bleeding disorder and hematological malignancies patients.
- Hematology day care Centre  
New Hematology day care has been renovated on the 11th floor new multistory building. Centre has been developed with the funding from the Natco trust. They have spent for the renovation, furniture and staff in the day care. The department runs a day care for patients to be given treatment on a day care basis.
- With the help Cuddles Foundation we have a dedicated nutritionist trained in cancer nutrition works in hematology dept and this foundation provides nutrition supplement and ration to pediatric cancer patients. We have also started RUTF nutrition supplement programme for paediatric patients
- Cankids organization has started their support programme in the department of hematology their Medical social worker and counselor counsel and help the patient regarding the chemotherapy, financial assistance, helping to get accommodation and other patient needs.
- Indoor Service: Ward 42 Total admissions-567
- Number of patients treated in Day care -16187

## Medicine

- EMS intensive care unit- Having 15 beds, 15 ventilators, 8 multipara monitors, ECG machine, 1 de-fibrillator for management of critically ill patients.
- Medicine Department was the main core department handling COVID work in KEMH with collaboration with other departments.
- Triage/ Cough Cold Fever OPD  
Conducted in collaboration with community medicine dept. Round the clock 24\* 7 for the covid suspect patients in casualty area
- COVID patients: At the peak of the pandemic in the months of May – July the total no. isolation beds created were 489, total isolation wards -13, including 3 COVID ICUs
- Faculty from Medicine Department were posted as Unit Heads in Seven Hills COVID Hospital, and NESCO COVID ICU BY Rotation  
(Non COVID Indoor patients) :  
Non-COVID patients: 13850  
Total OPD Patients -  
General Medicine OPD : Old : 18,000  
New : 12,000  
HIV patients -650 , dacep opd conducted online during the pandemic for Patients on ART  
Rheumatic patients-new patients-500  
Follow up patients -2,883  
Hypertension OPD : New cases- 219, Follow-up cases –1,463 (Total patients - 1682)  
Geriatric patients –New -05 Old - 246

## MICU :

- Total admissions in MICU ward 22: 208 till Jan 2021 to 28th May 2021
- Total admissions in MICU ward 20: 356 till July 2021 to Dec .2021 including COVID and Non COVID
- Care of critically ill patients like complicated tropical illnesses e.g. malaria, leptospirosis, dengue, septicemia, poisoning, fever & acute lung injury/ ARDS needing ventilator therapy. We also manage obstetric & gynecological patients presenting with medical emergencies as also post vascular & neuroradiology interventions.
- MICU has managed critically ill residents and interns of KEM Hospital who had dengue fever and acute febrile illnesses.
- MICU PATIENT CARE:  
The content should reflect the quality and quantum of patients care:



- Total 16 ventilators - to provided noninvasive & invasive mechanical ventilation to Acute lung injury/ ARDS/ Respiratory/ depression/ Cardio respiratory failure patients.
- Number of patients on ventilator approximately- 450.

Overall highlight of patient care services (number of each services):

Plasmapheresis:

- To patients of Gullian Bare Syndrome, Myasthenia Gravis, TTP, Polymyositis, both MICU patients & Medical ward patients with help of plasmapheresis pump 1- 2 per month.

Renal replacement therapy is given by following :

- CAVH, CVVHDF on CRRT machine available in MICU.
- 2Decho done by portable, USG + Echo machine on MICU patients: 332.
- Bronchoscopy: Therapeutic, Diagnostic bronchoscope and fiberoptic bronchoscope
- Percutaneous tracheostomy: total 5

New facilities provided:

- Interactive MICU daily rounds with faculty from microbiology department including Assist Prof. Senior resident.
- This helps analyze infection patterns, identify culprit organisms and their resistant pattern.
- Interactive rounds with faculty of physiotherapy department especially for proper Chest PT, Respiratory muscle, strengthening exercises.

10 Multipara Monitors & 2 USG & 2D Echo Machine for Critically ill patients.

- 1 ECG machine and 2 Defibrillator procured for patient care
- Ems Intensive care unit having 15 beds and ventilators, 8 multipara monitors managing emergency cases like myocardial infarction, GBS, tropical illnesses, poisoning, needing monitoring and ventilator treatment.

## Microbiology

- The annual workload for the different service divisions of the department was as follows:

Section	Workload
<b>Bacteriology including Emergency laboratory</b>	
• Samples processed	112211
• Antibiotic susceptibility tests	83255
• BACTEC	572
• Vitek rapid ID and ABS	350
Total	196388
<b>Virology</b>	
• HIV serology	31377
• HBV serology	27718
• HCV serology	27636
• RPR	2445
• CD4 count	4012
• Viral Load (HIV)	4478
• Viral Load (HBV)	0
Total	97666
<b>Serology including Emergency laboratory</b>	
• Leptospirosis	20971
• Dengue	41924
• Widal	1155
• Others	3600
Total	67650
<b>Mycobacteriology</b>	
• Microscopy – LED fluorescence (pulmonary)	4764
• Microscopy – LED fluorescence (extra-pulmonary)	1501
• GeneXpert	8015
• MGIT culture and DST	830
• TB-LAM	287
Total	15397
<b>Mycology</b>	2971

Section	Workload
<b>Parasitology</b>	
• Stool examination (routine)	3896
• Stool for opportunistic parasites	0
• Malaria Antigen Test (including emergency lab)	13630
Total	17526
<b>Covid Testing</b>	
• RT-PCR	130511
• RAT	26097
• Covid antibody	1184
Total	157792

## Neonatology

- **Neonatal Intensive Care Unit:** 42 beds

Patient care areas	Type of Services	Number of beds
Inborn Unit	Inborn aseptic neonatal care area	13
Inborn - Outborn Unit	Inborn septic & out born neonatal care area	12
Transitional Care Unit	Intermediate care area	12
Ventilation Unit	Advanced ventilatory care area	05

- **Inborn Unit:** Neonates born in K.E.M. Hospital are managed in this unit.
- **Inborn-Outborn Unit:** Neonates in K.E.M. hospital at risk of infection and neonates transferred from other municipal or private hospitals are managed here.
- **Transitional Care Unit:** This section renders transitional convalescent care to neonates once the acute stage of disease is managed in intensive care units. The babies who do not require close and continuous monitoring are looked after here.
- **Ventilation Unit:** The babies requiring advanced ventilatory care are closely monitored and managed here.
- **Human Milk Bank:** Human milk bank is an institution established for the purpose of collecting, screening processing, storing & distributing donated human milk that is dispensed to recipients who are not the biological off springs of the donor mother.
- **Kangaroo Mother Care Center:** The department is selected as the center of excellence in India for initiating Kangaroo Mother Care for low birth weight babies. **Kangaroo Mother Care Center is the first & the only of its kind in the country.** Neonates, recipients of KMC, are regularly followed up here for growth, nutritional status, neuromotor, neuro developmental & neurosensory assessment & early intervention therapy is instituted whenever required.
- **Quantum of patient care:**

Total number of infants born	6546
Total number of LBW infants	2304
Total number of NICU admissions	1480
Total number of KMC recipients	623
Total number of COVID suspect neonates	56
Total number of COVID positive neonates	4

- **New Services:**

Reinitiation of Mother Support Group services for promotion, protection and support of breastfeeding, June 2021.

## Nephrology

- Successful operation of COVID19 - positive and suspect dialysis units. Bedside COVID-19 hemodialysis unit was established in ward 6, 9, and 12. Total 563 dialysis sessions for COVID-19 positive patients were carried out by the department in 2021 till date.
- ABPM (Ambulatory Blood Pressure Monitoring) services started for patients with hypertension.
- Availability of in-house dietician who specializes in renal diet counselling.
- Annual OPD attendance in 2021 till date – 2604 [New Pt OPD] + 8636 [ follow-up patients] = 11,240
- Annual inpatient admissions in ward 34 and 34A: 424
- No of dialysis sessions done in 2021 till date: 10,144
- No. of kidney biopsies done in 2020: 148
- No. of tunnelled cuffed catheters inserted in 2020: **59**

- Hematology Analyzer installation XN550 – It enables CBC, Retic Count, Body fluid analysis.

- **laboratory Workload**

TOTAL R URINE	24 hr protein urine	24 Urine creat	SPOT Urine creat	PH	CBC	URINE C/S	Urine OSMO	Serum OSMO	Urine Electrolyte	Serum electrolyte	Serum creat	Phase contrast urine
10337	4175	153	572	61	11539	207	224	137	261	228	7730	14

## Neurology

### I. Routine services

- o Routine VEEG - 1120
- o Ictal VEEG- 215
- o Electromyography & Nerve Conduction study (EMG/NCS)- 720

### II. Epilepsy Surgery

- o Surgeries conducted in 2021
  - o ECOG Guided (ECOG) - 20
  - o Non ECOG Guided (Non –ECOG) - 02
- o Epilepsy surgery OPD for New and follow-up of patients who undergo pre-surgical work-up that are already operated. It is a combined effort from Neurology, Neurosurgery, Neuropsychology and Psychiatry Dept, to streamline the services of Comprehensive Epilepsy Center.
- o Neuropsychology -160 psychological evaluations for Epilepsy Surgery and other neurological conditions including evaluations for fitness.
- o OPD Services
  - o Pre-operative & post-surgery counselling and guidance for Epilepsy patient.
  - o Neurology New – 4954 patients per year
  - o Neurology Old – 7276 patients per year
  - o Epilepsy New – 1510 patients in the year
  - o Epilepsy Old –8383 patients in the year
  - o Paediatric Epilepsy New –110 patients in the year
  - o Paediatric Epilepsy Old - 586 patients in the year
  - o Indoor Services – 503 patients
- o Newly added Stroke Center -  
Inaugurated by Honourable Mayor of Municipal corporation of greater Mumbai Mrs. Kishori Pednekar on 21 sept 2021.  
Total 122 patient's thrombolysed till date. There is coordination with Neurosurgery for Mechanical thrombectomy for Acute Stroke.
- o Movement Disorder Clinic: Dr. Pankaj Agarwal is a honorary visiting Specialist in Movement Disorder. Weekly Botox therapy given to Selected patients.

## Neurosurgery

- 1160 microneurosurgical cases
- Endoscopic third ventriculostomy performed or the first time
- Transnasal endoscopic surgery for the pituitary adenoma performed for the first time in the department
- OPD cases- 7000
- Developed a small lab to carry out vessel anastomosis

## Nuclear Medicine

- Addition of PET/CT related services 1. F-18 PSMA PET/CT for diagnosis and follow up of cancer prostate
- F-18 DOPA for diagnosis of Parkinson's disease
- Radiation synovectomy for hemophilic arthropathy
- List of investigations
  - o PET/CT scans – 367
  - o Cardiac PET scans-5

- o Bone scan-70
- o Salivary scintigraphy-6
- o HIDA scan-16
- o Renal Scan-301
- o DMSA scan-67
- o Lung perfusion scan-6
- o Stress thallium-22
- o Lymphoscintigraphy-0
- o Parathyroid scan-3
- o Thyroid scan-61
- o MUGA -12
- o Brain SPECT-3
- o Iodine scan-7
- o Iodine therapy-3
- o GET-34
- o GER-15
- o Meckels Scan-13
- o Brain PET scan-32
- o F-18 PSMA PET CT
- o F-18 DOPA PET CT

### Obstetrics & Gynaecology

- Total number of confinements: 5901
- Total number of major surgeries in OBOT: 2591
- Total number of minor surgeries in OBOT: 578
- Total surgeries in Gynecology OT:
- Total Gynecology new OPD patients: 8568
- Total Gynecology old OPD patients: 10833
- Total obstetrics new outdoor patients: 5922
- Total obstetrics old outdoor patients: 17873
- Gynecology indoor patients: 582
- Obstetrics indoor: 7867
- Gynecology OPD and Antenatal OPD run daily on a regular basis even during the covid pandemic.
- COVID services provided
  - a. Covid testing of all obstetric indoor patients.
  - b. Covid testing of outdoor gynecology patients requiring admission/surgery.
  - c. Delivering covid positive mothers in designated section of the labour room.
  - d. Operating on covid positive mothers (Cesarean sections/ other obstetric emergency procedures) in designated separate operation theatre.
  - e. Separate designated ward for covid positive patients.
  - f. Designated separate ward for suspected covid patients until confirmation of reports.

### Occupational therapy

Sr. No.	Name	Building and OPD No.
1.	Back School Clinic	Orthopedic Center 412
2.	Musculoskeletal management for Hemophilia	Hemophilia Day care, New Building. 13th floor, new building.
3.	Hypertension Clinic	OT block, KEM Hospital. 079
4.	Neurology- M.M.E.Fitness assessment and disability assessment. Memory clinic.	OT Block, K.E.M Hospital. O.T. OPD-79

Sr. No.	Name	Building and OPD No.
5	De-addiction: Intervention and Fitness certification.	Orthopedic Center OT department in Ward 40
6.	Breast Clinic	New building 11
7.	Psychiatry: Intervention and Work Fitness	Old K.E.M Hospital Building OT OPD 79
8.	Child Guidance Clinic –Learning Disability Certificate Evaluations.	OT dept-412, Orthopedic Center. OT-412
9.	Kangaroo Mother Care	Behind Orthopedic Center
10.	Sensory Integration Therapy	OT dept-412 , Orthopedic Center OT-412
11	Specialized Hand Clinic	Old K.E.M Hospital Building Plastic surgery OPD
12	Cardio Respiratory Rehab. Fitness and Disability Assessments	CVTC Building, Room No. 4 Room No. 4, Ground floor

#### Workload:

Workload	Outpatient Dept	In Patient Care
<b>Patients</b>	<b>29075</b>	<b>25125</b>
<b>visits</b>	<b>87350</b>	<b>97,500</b>

#### Ophthalmology

- Facilities Available-
  1. Visual Field Testing
  2. Corneal Topography
  3. Collagen cross linking
  4. Laser Indirect Ophthalmoscopy
  5. Laser Trabeculoplasty / Posterior Capsulotomy / Peripheral Iridotomy
  6. Usg B-Scan
  7. Advanced Vitrectomy
  8. Corneal Transplant
  9. 24 Hrs Cornea and Paediatric Ophthalmology Clinic
  10. Optical Biometry
  11. Cataract Surgeries
  12. Glaucoma Surgeries
  13. Squint Surgeries
  14. Ptosis Surgeries
  15. Opd Procedure
- Sac syringing, tonometry, corneal FB removal, Lid surgery
- Department is well equipped with vitreoretina, glaucoma, oculoplasty visiting consultants.

#### Orthopaedics

- Facilities for treating fresh and neglected musculoskeletal trauma in all age group.
- Facilities for treating congenital, inflammatory, infective, neoplastic and degenerative pathologies affecting musculoskeletal system.
- Skilled faculty available with equipment to treat simple & complex trauma, spinal surgery, arthroplasty, arthroscopy and paediatric orthopaedic surgery.

## Paediatrics

Patient Services	2021 (1 <sup>st</sup> Jan 2021 to 15 <sup>th</sup> Dec 2021)
General Pediatric OPD	9216
Indoor Admissions	1712
EMS Attendance	7547
PICU Admissions	523
Under Five Clinic	4961
Pediatric Rheumatology Clinic	52
Pediatric Nephrology Clinic	43
Pediatric Chest Clinic	New - 24, Old - 98
Genetic Clinic	New - 233, Old - 491
School Clinic	13
Thalassemia day care center admissions	1551
Pediatric Epilepsy Clinic	New - 117, Old - 602
Learning Disabilities Clinic	206

## Paediatric Surgery

- The department continued the surgical services of non covid and covid children during the pandemic.
- Completed 143 cases 3-D laparoscopy cases of till date
- Completed 17 cases using HOLMIUM YAG LASER SYSTEM
- Total OPD - 2009
- Total admissions – 580
- Total no of Surgeries – 476
- Major surgeries – 346
- Minimal access surgeries – 143
- Minor surgeries – 130

## Pathology

- New services added – D dimer and IL6 estimation for Covid19 patients, automated urine analysis
- Residents were involved in Covid19 patients' care in covid wards in KEMH, Seven Hills and NESCO covid centres. Faculty was involved in logistics and HR management.
- Laboratory services Workload 2021

Investigation	Total
<b>Total Collections (biochem etc)</b>	103768
<b>Hemogram</b>	567915
Urine	33010
<b>Fluids Routine</b>	2919
CSF	3206
ABG	53535
PT	79416
FNAC	2030
<b>Fluids &amp; Sputum Cytology</b>	1812
<b>Surgical Histology (total Cases)</b>	10029
<b>Autopsy (total cases including histopath)</b>	780
<b>Immunology</b>	24618
<b>Biochem (lipids, enzymes CPK etc)</b>	40337
MP	2304
<b>Miscellaneous</b>	78674
<b>Total</b>	1004353

## Pharmacology and Therapeutics

- The Ayurveda Research Centre of the Department of Pharmacology and Therapeutics runs an OPD on Friday afternoon. Total patients registered from 1st January 2021 to 31<sup>st</sup> December 2021 were 795.
- Monitoring for Quality of Ayurvedic Formulations: A total of 8 Ayurvedic formulations were analyzed for synthetic steroids and out of these only 3 samples were found to contain synthetic steroids. In addition, 2 formulations were received for detection of heavy metals and no heavy metal was detected in any of these samples.

## Physiotherapy

- OPD services: Musculoskeletal, Neuro-physiotherapy- adult and pediatric, cardiopulmonary and vascular rehab, Physical and Psychological fitness OPD, Lymphedema, Women's health.
- Active participation in planning and executing physiotherapy rehabilitation protocol for a patient who underwent hand transplant, (First case of hand transplant in KEM), as a team member of Hand Transplant Team in collaboration with department of Plastic surgery
- Started Post COVID Rehabilitation OPD and Post TB rehabilitation OPD.
- **Workload:** OPD-24678, IPD- 35123
- New services added with numbers- Daily OPD services:
  1. Tele-rehabilitation services started and continued for COVID and non-COVID patients.
  2. Post COVID rehabilitation and fitness assessment in OPD
  3. Physiotherapy for conversion disorders
  4. Lymphedema management in cancer and Fileriasis.
  5. Rehabilitation of Hand transplant patients
- **New facilities provided–**
  1. Formulating protocol for rehabilitation of Hand transplant patients with department of Plastic surgery.
  2. Fitness training
  3. Long COVID rehabilitation
  4. Stroke rehabilitation
  5. Lymphedema management in Fileriasis and Cancer.
- Digital patient education booklet for COVID 19 patients.
- Patient education video in collaboration with PSM department for explaining self-Prone positioning (CARP) to improve oxygen saturation for COVID-19 Patients in home quarantine.

## Plastic Surgery

- The dept consists of 52 Beds, of which 40 belong to Plastic Surgery and 12 to Burns. The OT complex has 3 Operating rooms and runs in 3 shifts with one OT running 24x7. OPD services are provided twice a week.
- Round the clock Emergency Services are provided involving Maxillofacial injuries, Hand injuries, Skin cover for upper & lower limbs, Replantation & Revascularization of limbs and digits; Acute burns in adult females
- Besides Routine Plastic Surgery, the dept. specializes in cleft lip and palate, complex vascular malformations of head, face & limbs, T. M. joint ankylosis, lymphedema, skin tumors, management of absent vagina and intersex related problems, micro vascular surgery etc.
- Joint Clinics : Hand, Maxillofacial Surgery, Brachial Plexus, Intersex.

### WORKLOAD

Year	2021
Indoor patients - Plastic surgery	604
Indoor patients – Burns	55
O.P.D. Patients	3904
Casualty Reference	497
Routine operations	1291
Emergency operations	2297
TOTAL OPERATIONS	3588
Referrals from other departments	1587

- **SPECIAL SERVICES FOR PATIENTS:** Comprehensive hand clinic, Thursday 2.30 pm  
Maxillofacial - Mondays, Ward 16, 2.30pm
- **SPECIAL FACILITIES FOR PATIENTS:** Occupational Therapy services exclusively for our dept.

### Psychiatry

- In the year 2021, the number of new patients seen in OPD were –4646
- On follow-up the number of patients examined were approximately –31562
- Total no. of Indoor patients admission in Psychiatry were - 181
- EEGs Total no. of patients - 137
- ECTs Total no. of patients – 627
- Psychological testing Total no. of patients – 1335
- Deaddiction Centre
  - o OPD New cases – 924
  - o Follow up cases – 6729
  - o Indoor Admissions – 90
- Drug Deaddiction Laboratory Work Report (Jan 2021 To Dec 2021)

Total Urine Samples assessed for alcohol, morphine, cannabis, benzodiazepines, MDMA, cocaine, amphetamine and other miscellaneous samples (Pudi, Tablet, Misri) – 5711

- Group Therapy Services
  - o Sexual dysfunctions group: - 30
  - o Dementia group/Memory Clinic – 17
  - o Caregivers of Patients with Schizophrenia group – 151
- Deaddiction Ward Group
  - o Patient Psycho-education Group: 89 patients
  - o Caregiver Group: 86 relatives
- Specialized Clinics: Child Guidance Clinic (CGC) for children with psychiatric disorders  
New cases: 151  
Follow up: 138
- No. of New patients for counseling by PSWs: 883

### Pulmonary Medicine

- The Department of Pulmonary Medicine and EPRC manages an Intensive Respiratory Care Unit with 5 ICU beds and 3 step-down beds and provides inpatient services with a total 30-bedded ward at KEM Hospital and Honorary inpatient services with a 40- bedded ward at Group of TB Hospitals, Sewree.
- Established Post COVID care facility for in patients and out patients.
- We had continued our OPD, IPD care facilities for COVID and non-COVID patients throughout the pandemic, also during peak of COVID waves.
- The department has interventional pulmonary medicine facility which includes bronchoscopic procedures for diagnostic and therapeutic purpose, medical thoracoscopy etc. Therapeutic procedures include foreign body removal through flexible bronchoscopy, gluing of bronchopleural fistula & bronchial dilatation in post tubercular strictures.
- The department also provides the following facilities:
  1. Polysomnography ( Level I study with fully equipped sleep lab)
  2. Thoracic ultrasonography
  3. Videobronchoscopy
  4. Medical thoracoscopy
  5. Pulmonary function testing (spirometry, lung volumes, diffusion and forced oscillometry.)
  6. Arterial blood gas laboratory ( with co-oximetry)
- We also run the following specialty outpatient clinics along with the routine outpatient services:
  1. Bronchoscopy clinic
  2. Asthma clinic
  3. Pulmonary Rehabilitation clinic
  4. Sleep Disorders Clinic



- Noninvasive ventilator facilities together with new oxygen delivery devices such as HFNC allow us to optimally treat patients with exacerbations in the intensive care unit.
- Peripheral Hospital Linkages: Honorary services are provided by Faculty at GTB Hospital along with erstwhile DOTS PLUS Services & NTEP OPD at KEM.
- We aim to offer the best possible care in the shortest possible time and therefore, run a preoperative anesthesia fitness clinic that enables us to evaluate respiratory risk in the shortest possible time.

OPD Patients	New Patients	Follow- up patient	Total
2021	4386	11750	16136

There were total of 1135 indoor admissions.

- **Number of Procedures – 359**

#### Pulmonary Function Tests

FV Loop	1138
DLCO	52
RV/TLC	36
FOT	15

**Arterial blood gas laboratory** - Total ABGs performed –54838

**Polysomnography** - Six sleep studies were performed in 2021.

- In addition, the EPRC team is also involved in creating asthma awareness and education of school children about asthma and self-care.
- The EPRC team carries out an annual respiratory morbidity survey. The details of these surveys are published in the Environmental Status Report. The environment pollution research Centre conducts regular surveys and health checkup in response to citizens' complaints as well.

#### Radiology

Modality	Number of scans performed
CT	25861
MRI	5977
USG	OBST 28767 Non OBST 45799
Barium	783
IVP	375
Mammography	0
Interventional Radiology Procedures	VIR - 1082 INR - 528
XRAY	301806 (including General X-rays, OC bldg., CVTC, EMS X-ray)

- One of our CT Machine has been exclusively dedicated for COVID scans since March 2020. Daily on an average 10 to 15 Covid scans are being done. Received BPL USG Machine in ward 6 through donation from Cap Gemini. Received One Fujifilm USG Machine, 2 Konica DR Portable Machines and 6 X-ray View Boxes through CPD for COVID.
- Everyday team of resident doctors are being sent to covid wards for various Ultrasonographic examinations. Residents are being deputed to covid wards for ward duties on rotation basis.

#### Surgical Gastroenterology

- Clinical care and management of complex GI surgery cases presenting primarily and referred post-operated, complicated cases from the city, state and other parts of the country.
- Counseling of patient's relatives every evening to make them aware of their patients' conditions and what is being done and what is the likely prognosis.
- Twice a week Outpatient Services for GI Surgery cases and once a week for Liver Transplant cases.
- Once a week assessment of patients Listed on Liver Transplant List.

#### Transfusion Medicine

- Services provide -grouping & crossmatching of 2 lakh Blood units per year,
- Additional services Single Donor Platelets (prepared by plateletpheresis) to patients, particularly to those with

hematological disorders, monsoon related illnesses and those undergoing cardiac surgery.

- Total 5834 units of Random Donor Platelets and more than 101 units of Single Donor Platelets (SDP) were issued to the patients.
- The demand of 150-200 blood units per day for patients admitted in our hospital is fulfilled by about 200-220 blood donation camps in a year with over 36000 blood units collected annually.

## Urology

- Over 14500 patients were treated on the all urology OPD's during the year and over 867 operations were performed including kidney transplantations.
- 30 Beds in Urology Ward
- There are 4 Operation Rooms and operations are performed 5 days a week
- Three outpatient department sessions (OPD) every week
 

Stone Clinic	- Wed. 1.30 To 5.30 pm	- avge 210 patients / OPD day
General Urology	- Saturday 8.30 To 1.30 pm	- avge 220-250 patients / OPD day
Andrology	- Friday 1.30 To 3.30 pm	- 25-30 patients / OPD day
- Investigation facilities
  - o Ultrasonography : Urology department has its own ultrasound machine, where scans of urological patients are done. This machine is also used to perform emergency procedure like PCN insertion, SPC insertion.
  - o Uroflowmetry : This laboratory, located in the department helps in evaluating people with obstruction to urine flow.
  - o Doppler ultrasound: This investigation helps in evaluating patients with infertility and following transplantation.
  - o Radiological investigations like Retrograde Ureterogram and Retrograde Pyelogram.
  - o Uro-endoscopy
  - o Phalldynamic Studies (Impotence Studies).
  - o TRUS: Trans Rectal USG with prostatic Biopsy for diagnosis of Ca prostate.
  - o Urodynamic study: Pressure flow studies.
- Treatments offered
  1. Stone disease
    - Endoscopic
      - Suprapubic & transurethral Cystolithotripsy
      - URS
      - PCNL
    - Open surgeries
      - Extra Corporeal Shockwave Lithotripsy (ESWL)
      - RIRS – Laser surgery,
      - 3D laparoscope System
  2. Uro-oncology
    - Advanced uro-oncologic surgeries like radical retropubic prostatectomies, radical cystectomy with orthotopic neobladder etc.
  3. Female Urology
    - Surgeries for SUI, genitourinary fistulas, reconstruction surgery for urinary incontinence
  4. Paediatric Urology
    - Hypospadias surgeries.
    - Bladder neck reconstruction for incontinence.
    - PCNL / URS / RIRS
  5. Transplant urology
    - Laproscopic donor nephrectomy.
  6. Andrology and Infertility -
    - For infertility
      - VEA, VVA, TUIED (Transurethral incision of ejaculatory ducts)
      - For impotence
        - Penile prosthesis
        - Venous ligation
  7. Laparoscopic surgery procedures like Lap.VVF repair and Lap. Pyeloplasty.
  8. Laser prostatectomy.
  9. Stricture surgery for complicated cases
    - Redo surgery- rectourethral fistula
  10. UDS
  11. USG Machine for TRUS Biopsy and USG KUB, with USG guided PCN, biopsy, cyst aspiration

12. Microscopic procedures like micro varicoectomy, AV Fistula for dialysis

13. ESWL –

KEM Hospital Urology department has a state of art Dornier Lithotripter (to break kidney stones without surgery).

Year	O.P.D. Attendance						Indoor Admissions	Referrals Calls		
	Gen.Urology		Stone Clinic		Infertility			Total	Emergency Calls	
	New	Old	New	Old	New	Old		Indoor	Intra op.	
2021 (till Dec.2021)	3323	4484	2235	2254	49	05	12350	1147	1864	42

• Diagnostic workload

Open work 60to 70% in operative work	
TURP	90
URS	38
PCN	140
PCNL	213
PCCL	49
U plasty	30
TURBT	17
Laparoscopy	91

• Operative Workload

Year	USG	Cystoscopy & Related Procedures	Uroflowmetry	Trust Guided Biopsy	UDS
2021 (till Dec.2021)	221	631	1167	119	89



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# Publications

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# Publications

## Anaesthesia

- 'Preoperative Amlodipine Is Efficacious in Preventing Intraoperative HDI in Pheochromocytoma: Pilot RCT'. Dr. Sanjeet Kumar Jaiswal, Dr. Saba Samad Memon, Dr. Anurag Lila, Dr. Vijaya Sarathi, Dr. Manjunath Goroshi, Dr. Robin Garg, Dr. Rohit Barnabas, Dr. Indrani Hemantkumar, Dr. Rajendra D. Patel, Dr. Shrikanta Oak, Dr. Abhay Dalvi, Dr. Mahadeo Garale, Dr. Virendra Patil, Dr. Nalini S. Shah and Dr. Tushar Bandgar. *The Journal of Clinical Endocrinology & Metabolism*, 2021, Vol. XX, No. XX, 112 doi:10.1210/clinem/dgab231.
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- 'Anesthesia for transcatheter aortic valve implantation in a patient with restenosed bioprosthetic aortic valve with hypersensitivity pneumonitis.' Deepa Kane<sup>1</sup>, Aseem Gargava<sup>2</sup>, Surendhar S.<sup>3</sup>, Sanjeeta Umbarkar<sup>4</sup>, Vishal Prabhu<sup>2</sup> *Egyptian journal of Cardio thoracic Anaesthesia* Year : 2021 | Volume : 15 | Issue : 1 | Page : 29-34.
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### **Radiology**

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- A pictorial review of reversible splenic lesions DOI: 10.1055/s-0041-1729127; Arpita Sahu, Shilpa Sankhe et al
- Numb chin syndrome *Indian journal of Cancer* January 2021 DOI: 10.4103/ijc.IJC\_364\_20 Ayush Jain, Shilpa Sankhe
- Early Pulse Glucocorticoid Therapy and Improved Hormonal Outcomes in Primary Hypophysitis. *Neuroendocrinology* 2021 Mar 19. Epub 2021 Mar 19. Brijesh Krishnappa, Shilpa Sankhe et al
- Beyond the usual: Cortical and subcortical white matter involvement as a presentation of Wilson's disease *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS)* e-ISSN: 2279-0853, p-ISSN: 2279-0861. Volume 20, Issue 6 Ser.11 (June. 2021), PP 50-53; Megha Nair, Shilpa Sankhe

### **Surgical Gastroenterology**

- Intestinal obstruction in adults due to congenital intraperitoneal bands. *Indian Journal of Applied Research.* Volume-10 | Issue-2 | February - 2020 | PRINT ISSN No. 2249 - 555X
- Impact of COVID-19 on Surgical Residency Training: Indian Perspective - A Review. *Galore International Journal of Health Sciences and Research.* Vol.6; Issue: 3; July-Sept. 2021
- Acute Intestinal Obstruction Due to Migrated Inguinal Hernioplasty Mesh-A Case Report. *Indian Journal of Applied Research.* Volume - 11 | Issue - 05 | May - 2021 PRINT ISSN No 2249 - 555X

### **Transfusion Medicine**

- Evaluation Of a Cell Separator for Effectiveness In The Collection of Apheresis Platelets In A Tertiary Care Hospital Dr Swarupa Bhagwat, Dr Jayashree Sharma, Dr Anand Bodade *Int.J.Med Lab Res.* 2021, 6(1):28-34.

### **Urology**

- Spontaneous Rupture of Urinary Bladder with Vesicocutaneous Fistula in a HIV
- Positive Female- Case Report *JCDR journal* Kamlesh Hawaldar Singh, Ankit Shailesh Vyas, Tarun Rochlani, Sujata Kiran Patwardhan DOI: 10.7860/JCDR/2021/50324.15723
- Spontaneous rupture of pyonephrosis presenting as anterior abdominal wall abscess: a rare case report *African journal of urology* Kamlesh Hawaldar Singh, Ankit Shailesh Vyas, Tarun Rochlani, Sujata Kiran Patwardhan <https://doi.org/10.1186/s12301-021-00226-x>

- Case report - Prolene is Thy Culprit; Boycott Him – Post Renal Transplant Lower Ureteric Calculus with Prolene Acting as a Nidus – A Rare Case Report Published in IJCMPR  
ISSN: 2395-6429, Impact Factor: 4.656 Volume 7; Issue 06(A); June 2021; Page No.5814-5816 DOI: <http://dx.doi.org/10.24327/23956429.ijcmpr20211019>
- Nephrectomy – A study of recent trends in a high-volume tertiary care center, exploring the need for screening and preventive strategies Accepted for publication in AJMS journal - Feb issue DOI: 10.3126/ajms.v13i2.40434E-ISSN: 2091-0576 P-ISSN: 2467-9100
- Blindness paving the path to the diagnosis of metastatic prostate carcinoma: A unique case presentation-journal of clinical urology.Aadhar Jain, Sujata Patwardhan<https://doi.org/10.1177/20514158211053701>
- Impact of surgical intervention on progression to end-stage renal disease in patients with posterior urethral valveJournal African journal of urology Rishikesh velhal,Aadhar Jain,Anveshi nayan,Sujata patwardhan,Bhushan patil DOI 10.1186/s12301-021-00261-
- Renal Dysplasia With Giant Renal Calculus: Management Nightmare-International Journal of Current Medical and Pharmaceutical ResearchAadhar Jain, Nikhilesh jibhakate and Sujata Patwardhan, DOI: <http://dx.doi.org/10.24327/23956429.ijcmpr20211051>
- Impact of COVID-19 pandemic on non-COVID patient's management in urology: a public hospital experience in Mumbai Nikhilesh A. Jibhakate1\*, Sujata K. Patwardhan1 , Ajit S. Sawant2 , Hemant R. Pathak3 , Bhushan P. Patil1 and Hitesh Kamal1. <https://doi.org/10.1186/s12301-021-00196-0>
- Surgical videos of penile implant, laparoscopic pyeloureterostomy for retrocaval ureter ,laparoscopic adrenalectomy , transvaginal vesicovaginal fistula repair and 4 teaching videos on How to read MCU and RGU have been uploaded in KEM Urology YouTube Channel



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# Research

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# Research

## Anesthesia

- “Comparison Of Neck Circumference Minus Acromion- Acromion Distance With Modified Mallampati Classification And Thyromental Distance For Preoperative Prediction Of Difficult Intubation”.
- “Comparison of validity of a combination of Mallampati test with sternomental distance and thyromental distance and Mallampati test with ultrasound guided tongue thickness to predict difficult endotracheal intubation in adults”.
- “A prospective audit on respiratory complications during induction of anesthesia and emergence from anesthesia in pediatric patients”.
- “Role of pleth variability index and perfusion index in predicting hypotension following spinal anaesthesia in patients undergoing cesarean section”.
- “Comparison of Ultrasound guided for Paramedian approach versus Conventional midline approach at L5-S1 on the success of Subarachnoid block”.
- “Prospective Observational Study Of Thyromental Height Test As A Predictor Of Difficult Intubation”.
- “Awareness of knowledge and practices of preoperative fasting ISA guidelines before anaesthesia for elective surgery among residents and nurses of orthopedic, general surgery and anaesthesia departments”.
- “Ultrasound of airway vs capnography for confirmation of endotracheal tube placement - A comparative study”.
- “Ability of pre-operative frailty assessment to predict post-operative complications in geriatric patients across various surgical specialities- A Prospective Observational Study”.
- “A comparative study comparing the efficacy of addition of clonidine to levobupivacaine versus levobupivacaine alone in scalp block in patients undergoing supratentorial craniotomies”.
- “Anaesthesia management in cardiac disorder Parturients undergoing caesarean section - an observational study”.
- “Prevalence and predictors of adequate knowledge regarding advance cardiac and basic life support among health care professional”.
- “The practice of using video laryngoscope for airway management in a tertiary care teaching hospital- a prospective observational study”.
- “A Prospective Observational Study To Assess Phantom Limb Pain, Phantom Limb Sensation And Residual Stump Pain Following Limb Amputation And Its Impact On Quality Of Life”.
- “Comparison of outcome of intubation using conventional laryngoscopy with gum elastic bougie versus Airtraq in mannekin by second and third year anaesthesia residents in tertiary care public hospital”.
- “An Audit Of Peri - Operative Complications In Paediatric Patients Undergoing Surgery For Neural Tube Defects”.
- “To Study awareness among residents of anaesthesia, orthopedics and nurses of orthopedic department about postoperative fasting duration after anaesthesia in patients undergoing elective surgery”.
- “Prospective Comparative Study Of Cuff Leak Test Versus Ultrasound Guided Laryngeal Airway Column Width Difference To Predict The Occurrence Of Laryngeal Oedema In Patients Undergoing Surgery In Prone Position For More Than 3 Hours”.
- “An assessment of intubation training program in novice anesthesiology resident with the use of mannequin”.
- “Practice Of Using Dexmedetomidine Intraoperatively - Prospective Observational Study”.
- “Assessment of patient satisfaction about pre-operative anaesthetic evaluation practices in tertiary care hospital”.
- “Comparative study of Oropharyngeal seal pressures in AMBU Laryngeal Mask Airway versus Laryngeal Mask Airway Supreme in patients undergoing elective breast surgery”.
- “A Prospective Study Comparing Iv Magnesium Sulfate Iv Dexmedetomidine For Attenuating Haemodynamic Response To Laryngoscopy And Endotracheal Intubation”.
- “Correlation of symphysiofundal height and abdominal girth with incidence of hypotension in case of cesarean section under spinal anaesthesia using Bupivacaine and fentanyl as adjuvant”.
- “A comparative study of glottic visualisation and ease of intubation at different heights of operating tables”.
- “Prospective randomised study comparing volume-controlled ventilation mode, pressure controlled ventilation mode and pressure-controlled ventilation- volume guaranteed mode in patients undergoing spine surgery in prone position”.
- “Effect Of Emergency Duty Related Sleep Deprivation On Cognitive Function Among Anaesthesiology Residents – A Prospective Observational Single Centre Study”.

- “Comparison between Acromioaxillosuprasternal Notch Index and Modified Mallampati Test in predicting difficult visualization of larynx and intubation”.
- “Prospective observational study to assess impact of pulse pressure variation guided fluid therapy on incidence of venous air embolism and hemodynamics during anaesthesia in sitting position”.
- “A Comparative Study Of Modified Aldrete Score And Fast-Track Criteria For Assessing Recovery From General Anaesthesia After Laparoscopic Surgery”.
- “A Prospective Observational Study Of Hyomental Distance Ratio And The Ratio Of Patient’s Height To Thyromental Distance To Predict Difficult Laryngoscopy”
- ‘Prospective observational study of prevalence of post-operative pain Post-Caesarean section patients in tertiary care hospital’.
- “To Establish The Temporal Association Between Changes In Perfusion Index And Onset Of Sensory And Motor Blockade In Successful Brachial Plexus Blocks”.
- “Preoperative Ultrasound Guided Assessment Of Gastric Contents And Volume In Adult Patients”
- Comparison of stylet angulation for routine intubation with C-MAC Videolaryngoscope’.
- “Evaluation of Acromio-axillo-suprasternal notch index, upper lip bite test and ratio of height to thyromental distance for prediction of difficult mask ventilation and difficult intubation”.
- “Comparison Of Anaesthetic And Obstetric Outcomes In Obese Vs Non Obese Parturients Presenting For Lower Segment Caesarian Section”.
- “Predicting Difficult Laryngoscopy With Minimal Exposure Of Upper Airway Tract, By Assessing Maximum Condyle - Tragus Distance - A Prospective Observational Study”.
- “Ultrasound Based Assessment Of Hyomental Distances In Neutral ; Ramped ; Maximum Hyperextended Positions And Derived Ratios For The Prediction Of Difficult Airway In Overweight Population”.
- “Assessment Of Critical Incidents During Shifting Of Endotracheal Tube From Right Angle Of Mouth To Left Angle Of Mouth With Conventional Laryngoscopic Intubation Done By Anesthesia Residents- A Prospective Observational Study”.
- “A Prospective Randomized Double-Blind Study : Comparing Effect Of Epidural Volume Extension With Normal Saline Versus 1% Lignocaine After Low Dose Subarachnoid Block In Elective Caesarean Section”.
- “To compare the dose of propofol for induction of general anaesthesia as determined by entropy monitoring against the standard induction dose in elderly patients”.
- “A Prospective Randomized Controlled Trial Comparing Effects Of Desflurane Versus Sevoflurane On Vasomotor Tone Using Perfusion Index In Patients Undergoing Neurosurgical Procedures In Sitting Position”.
- “A Prospective Study On Comparing The Efficacy Of Attenuating The Sympathetic Hemodynamic Response To Endotracheal Extubation: Esomolol Vs. Lignocaine Vs. Nitoglycerine”.
- “An Audit Of Airway Management Of Patients Undergoing Cervical Spine Surgery In A Tertiary Care Hospital”.
- “A Retro Prospective Observational Study Of Perioperative Outcome In Post Covid Patients Of A Tertiary Care Center”.
- “Comparison Of The Macintosh Laryngoscope With Video Laryngoscope (Hyper Angulated Blades) For Nasotracheal Intubation In Oro-Maxillo-Facial Surgeries”.
- “A Comparison Of Two Infusion Rates Of Injection Oxytocin For Maintaining Uterine Contractility During Elective Cesarean Delivery – A Double Blinded Randomised Prospective Clinical Trial.”
- “Comparison of different methods of nasogastric tube insertion in anaesthetized and intubated patients”
- “Psychological and Academic Impact of Covid 19 on Anaesthesia Residents”.
- “to study hba1c levels correlation with hemodynamic response in diabetic mellitus patients undergoing surgeries under subarachnoid blockade”.
- ‘Prospective Observational Study of Prevalence of Chronic Pain in Patients after Caesarean Section Delivery in a Tertiary Care Hospital’.
- ‘Analysis of Critical Incidences Related to Uro-Anaesthesia in Teaching Tertiary Care Public Hospital – A Prospective and Retrospective Observational Study’.
- ‘Comparison of endotracheal tube cuff inflation by two different techniques- Pressure volume loop closure and sealing technique by auscultation’.
- ‘A Prospective audit of perioperative outcome of intracranial aneurysms for endovascular coiling and neurosurgical clipping’.

- 'A Prospective Observational Study To Compare Cricothyroid Membrane Depth And Height In Full Term Pregnant Patients With Severe Preeclampsia Vs. Full Term Pregnant Patients Without Comorbidities Vs. Females Of Child Bearing Age'.
- 'Sternomental Distance And Sternomental Displacement As Predictor Of Difficult Laryngoscopy And Intubation In Adult Patient'.
- 'Prospective Randomized Controlled Trial Comparing Bispectral Index Versus Minimum Alveolar Concentration Monitoring On The Recovery Profile Of Desflurane In Patients Undergoing Supratentorial Neurosurgical Procedures'.
- Retro-Prospective Observational Study To Assess Impact Of Covid 19 Infection On Perioperative Outcome In Covid Positive Pregnant Patient After Cesarean Section.
- A Prospective Study To Compare The Duration Of Time For Laryngoscopy And Intubation Between King Vision Laryngoscope & Videolaryngoscope D Blade.
- Questionnaire Based Prospective Analysis Of Pattern Of Use Of Smart Phone Among Anaesthesiologist And Its Impact On Patient Care Inside Operation Room.
- Ultrasound Measurement Of Laryngeal Structures In The Parasagittal Plane For The Prediction Of Difficult Laryngoscopic View In Adults.
- Analysis Of Inferior Vena Cava Collapsibility Index In Geriatric Vs. Non Geriatric Age Group Associated With Spinal Anaesthesia.
- A Double Blind Study to Evaluate Efficacy of Pre-treatment with I.V. Lignocaine Alone for Preventing the Pain Associated with Rocuronium and Propofol Administration.
- Prospective Observational Study Evaluating 6 Minute Walk Test In Prediction Of Postoperative Pulmonary Complications In Major Abdominal Surgeries.
- A Prospective, multicenter, observer blind, randomized, 3 arm, parallel group, Phase III comparative study to evaluate the safety and efficacy of two formulations of remifentanyl and fentanyl for analgesia during the induction and maintenance of general anaesthesia.

### **Anatomy**

- Microanatomical features of Pituitary Gland .
- A study of parameters of hip joint in cadavers in the western region of India
- A morphological study of brachial artery
- A morphological and morphometrical study of menisci
- A morphological and morphometrical study of scapulae
- A new method of preparing dry bones from embalmed cadavers
- Perceptions of undergraduate students on e-learning
- Effectiveness of audio-visual demonstration of dissection in the understanding of Anatomy
- A study of coronary arteries
- A Study on Pen holding grips
- Collaborations: During the year, the department conducted several collaborative programs with clinical departments like :Department of Orthopedics- Knee dissection in Jan, June, August and December 2021 and Department of Plastic surgery in June 2021

### **Biochemistry**

- Effect of iron deficiency anemia on hba1c status in diabetic patients attending tertiary care centre
- Development & validation of tool for process implementation & foundation course for phase – I MBBS students
- Atherogenic lipid profile in indian iugr newborns: a review
- Role of Vitamin D and ACE2 in endothelial dysfunction among COVID 19 patients from mumbai, Maharashtra” in collaboration with NIIH-ICMR
- Blue print for written examination in competency based medical education for I MBBS
- Impact of modified omp model on reasoning skills of phase I MBBS students in Biochemistry

### **Cardiology**

- SELECT - Semaglutide Effects on Cardiovascular Outcomes in People With Overweight or Obesity.
- Ultra-thin strut versus xience in a diabetic population with Multi-Vessel Disease- 2 - India Study (TUXEDO-2-INDIA)

- a prospective, open-label, multicentre, randomized, controlled study in patients with diabetes mellitus and multivessel disease with indication for revascularization.
- The Prevent Severe COVID-19 (PRESECO) Study (PRESECO)- a double-blinded, placebo control, randomized, phase-3 clinical trial to evaluate clinical efficacy of Favipiravir in patients with mild to moderate symptoms related to COVID-19 infection.
- EMPACT-MI: A Streamlined, Multicentre, Randomised, Parallel Group, Double-blind Placebo-controlled Superiority Trial to Evaluate the Effect of empagliflozin on Hospitalisation for Heart Failure and Mortality in Patients With acute Myocardial Infarction.
- A Research Study to Look at How Ziltivekimab Works Compared to Placebo in People With Cardiovascular Disease, Chronic Kidney Disease and Inflammation (ZEUS).
- RIVACA – A phase IV clinical trial to investigate the safety and effectiveness of Rivaroxaban (xarelto) 2.5 mg (BID) + Acetylsalicylic Acid (ASA) 75 mg (OD) in Indian patients with coronary or symptomatic peripheral artery disease.

### **Cardiovascular and Thoracic Anaesthesia**

- Transesophageal echocardiography
- NIRS
- Risk scoring in cardiac patient.
- Efficacy and safety of LA interventions for treatment of chronic atrial fibrillation in patient with mitral valve disease.
- To study safety & efficacy of brachial plexus block with combined USG & Nerve locator guided vs Nerve locator guided for upper limb vascular surgery.
- Transesophageal echocardiographic evaluation of tricuspid valve.
- Cerebral oximetry in on –pump and off pump CABG.
- STS vs Euroscore

### **Clinical Pharmacology**

- Efficacy and safety of Ap-Bio/Kalmcold in participants with uncomplicated upper respiratory tract viral infection (common cold) - A Phase III, double-blind, parallel group, randomized placebo-controlled trial [EC/PHARMA-11/2019]- [completed]
- Efficacy and safety of GutGard in the management of gastro-esophageal reflux (GER)-related symptoms - A Phase III, single centre, double-blind, parallel group, randomized placebo-controlled trial [EC/PHARMA-05/2019]- ongoing
- Prediction of factors influencing Indian adults' likelihood of accepting any COVID-19 vaccination and their willingness to pay – a discrete choice experiment study [EC/OA-135/2021]- ongoing
- Immunogenicity, molecular profiling and safety of a marketed quadrivalent influenza vaccine (FluQuadri™) administered by the intramuscular route in participants 60 years of age and older. INCENTIVE QIV-1 [EC/GOVT-02/2020]- ongoing
- A Phase 3, Randomized, Observer-blind, Controlled, Multi-Center Study to Evaluate the Lot to Lot Consistency of SIIPL Meningococcal ACYWXX Conjugate Vaccine (NmCV-5) and to Compare its Safety and Immunogenicity with that of Licensed Meningococcal ACWY Vaccine Menactra® in Healthy Individuals 18-85 Years of Age [EC/PHARMA-09/2019]- completed
- A Phase 2/3, Observer-Blind, Randomized, Controlled Study to Determine the Safety and Immunogenicity of COVOVAX [SARS-COV-2 Recombinant Spike Protein Nanoparticle Vaccine (SARS-COV-2 Rs) With Matrix-M1™ Adjuvant] In Indian Adults [EC/PHARMA-06/2021]- ongoing
- A Pharmacokinetic Profiling Study of combination of Camylofin 50 mg and Paracetamol 325 mg Single-Tablet Regimen in Healthy Participants- EC/OA/120/2020 – ongoing
- Immunogenicity and Safety of SHAN6® vaccine when administered as booster in healthy toddlers in India- EC/PHARMA-05/2020- completed
- Evaluation of allergic reactions following COVID -19 vaccination in patients with documented allergies [EC/OA-169/2021]- completed
- A randomized, placebo controlled, double-blind study to evaluate the safety and efficacy of oral Ambroxol in hospitalized patients with COVID-19 [ EC/GOVT-08/2021]
- Assessment of factors that motivate participants to take part in a COVID-19 vaccine study [ EC/OA-181/2021]- ongoing
- Evaluation for the risk of allergy to COVID-19 vaccines in people with history of allergy diathesis [EC/OA-145/2021]- ongoing

- Evaluation of efficacy and safety of SARS-CoV-2 vaccine in a registry of five hundred patients with Inflammatory Bowel Disease (IBD) - ongoing with Department of Gastroenterology
- A prospective, randomized, double blind, placebo-controlled study of ZYBK2 to evaluate the safety, tolerability, pharmacokinetics and pharmacodynamics in patients with Rheumatoid arthritis [EC/PHARMA-14/2021]- ongoing
- A Multicentric, Post-Marketing Surveillance Study to Evaluate the Safety and Effectiveness of Fixed Dose Combination of sodium alginate 250 mg, Sodium bicarbonate 133.5 mg and Calcium Carbonate 80 mg Oral Suspension in Patients with Heartburn and Indigestion- completed
- A Phase 1, Randomized, Single-blind, Placebo-Controlled, Single dose & Multiple Ascending Dose, Safety, Tolerability and Pharmacokinetics Study of Novel antiplatelet CDRI compound S007-867 in healthy Volunteers
- Evaluation of genotyping and therapeutic drug monitoring vs. only therapeutic drug monitoring as a strategy for risk minimization in epileptic patients on carbamazepine therapy: a randomized controlled trial

### **Community Medicine**

- 'Costing of health care services at different levels of health care delivery services in Maharashtra' – supported by DHR-MOHFW – GOI and coordinated by PGI-Chandigarh. Three districts are covered under this project – Thane, Pune & Beed
- 'Assessment of exposure and effects of pesticides on health of general population' supported by ICMR and coordinated by PGI-Chandigarh. Two district are being covered under this project – Nashik & Sindhudurg
- Study to Evaluate the Effectiveness of BCG vaccine in Reducing Morbidity and Mortality in Elderly individual in COVID-19 Hotspots in India.

### **Dentistry**

- Achieving haemostasis in pediatric patients with Hemophilia.
- Dental care in physically and mentally challenged patients .
- Correlation of chronological age of individual with anthropological parameters and dental status.

### **Dermatology**

- Study of association between histopathology and dermoscopy of clinical variants of seborrheic keratosis.
- Clinico- epidemiological study of pigmented purpuric dermatosis.
- A descriptive observational cross-sectional study of epidemiological and clinical aspects of pityriasis roses along with dermoscopic analysis.
- Clinico epidemiological study of cutaneous manifestations in patients with chronic kidney disease.
- A descriptive observational cross-sectional study of epidemiological , clinical and histopathological aspects of primary localised cutaneous amyloidosis with its effect of the quality of life of the patients.
- A Descriptive Observational Cross sectional study of Epidemiological, clinical and pathological aspects of Cicatricial Alopecias in adults.
- Epidemiological, Clinical and Pathological study of FlexuralDermatoses & its effect on the Quality of Life of the patients.
- A Descriptive observational cross sectional study of Clinico-epidemiological aspects of Adult Acne & Its effect on Quality of life.
- Scalp biopsy in relation to dermatological diagnosis : A retrospective cohort study in tertiary care centre in western India.
- A Descriptive Observational Cross sectional study of Epidemiological, clinical and dermoscopic study of childhood hair loss
- A descriptive observational cross sectional study of epidemiology and clinical aspects of spectrum of photodermatoses in Indian population
- A descriptive observational cross sectional study of clinico-epidemiological aspects of superficial fungal infection in children.
- A clinicohistopathological correlation of cutaneous manifestations of the chemotherapeutic agents; A retrospective study.
- A retrospective study of lichenoid reaction patterns with clinicopathological correlation.

### **Endocrinology**

- Prospective Study of Adrenal Masses - CT Imaging Features and their histopathological co- relation
- Cross sectional study of bone mineral density and renal tubular function in postoperative cured patients of primary hyperparathyroidism.

- Percentage Arterial Enhancement: An Objective Index for Accurate Identification of Parathyroid Lesions in Primary Hyperparathyroidism”
- Effectiveness of various diagnostic tests in Cushing Syndrome: A retrospective analysis.
- Range of salivary cortisol (morning and late-night), and Overnight dexamethasone suppressed serum and salivary cortisol in chronic renal failure patients.
- Performance of 68Ga-DOTATATE, 131I –MIBG and 18F–FDG PET in localisation of PPGL– a single centre experience.
- Vitamin D dependent rickets Type I and Type II : Single center experience
- Genotype phenotype correlation in Indian Patients with Congenital Adrenal Hyperplasia due to 21- $\alpha$  hydroxylase deficiency
- A prospective observational cohort study to identify the utility of risk-based screening strategy for long term complications in adolescent and adult cancer survivors of leukaemia and lymphoma.
- Clinical, biochemical, radiological characteristics and treatment outcomes in patients with adrenal cushing’s syndrome: A retrospective analysis.
- Clinical, Biochemical and Radiological characteristics of patients with Growth Hormone Deficiency and combined pituitary hormone deficiency – A Retrospective analysis.
- Ambulatory blood pressure monitoring in pheochromocytoma –paraganglioma: A retrospective study
- Primary Hyperparathyroidism in the Young- A Single Centre Experience
- Next-generation sequencing in Pheochromocytoma – Paraganglioma: single centre experience from Western India.
- Iso-sexual precocious puberty: single-center experience
- Congenital Hyperinsulinemic hypoglycemia- A single center experience”: A retrospective study
- The Retrospective analysis of Giant prolactinoma: A single centre experience.
- Functioning Gonadotroph Adenomas: Case Series and a Review of Literature”.
- A Phase III, Randomized, Double-Blind Study to Compare the Efficacy of Pioglitazone (7.5 mg) and Pioglitazone (15 mg) on Glycemic Control in Patients with Type II Diabetes Mellitus with Metformin Failure.
- Adrenocortical carcinoma in children and adolescents: Retrospective analysis
- The retrospective analysis of metastatic pheochromocytoma-paraganglioma in cluster 2 group: A single center experience and review of literature”.
- Study of effectiveness (and its predictors) of hMG Pre-treatment followed by combined gonadotropin therapy) (hMG+HCG) in male IHH (Idiopathic hypogonadotropic hypogonadism) patients.
- Hypogonadism in patients due to isolated luteinizing hormone defects: A single centre experience and systematic review.
- Protocol I8F-MC-GPHO A Randomized, Phase 3, Open-label Trial Comparing the Effect of Tirzepatide Once Weekly Versus Titrated Insulin Glargine on Glycemic Control in Patients with Type 2 Diabetes on Metformin with or without a Sulfonylurea (SURPASS-AP-Combo).
- I8F-MC-GPGN (b) The Effect of Tirzepatide versus Dulaglutide on Major Adverse Cardiovascular Events in Patients with Type 2 Diabetes (SURPASS-CVOT)
- Randomized, Double-blind, Placebo-controlled, Multicenter, Phase 3 Clinical Trial to Evaluate the Efficacy and Safety of Prandial Technosphere® Insulin Inhalation Powder Versus Placebo Inhalation Powder in Patients with Type 2 Diabetes Mellitus Inadequately Controlled with Oral Antidiabetic Drugs Over a 24-week Treatment Period.
- A 68-week clinical trial comparing the efficacy, safety and tolerability of once-daily oral semaglutide 25 mg, 50 mg and 14 mg in subjects with type 2 diabetes”. Ref: Trial ID: NN9924-4635
- ICMR National Project: To formulate Registry of people with Diabetes with Young Age at the Onset in Western India DST\_SERB\_46XYDSD: Genotype- phenotype correlation in Indian Patients with 46XY Disorders of Sex Development. (46 XY DSD)

## ENT

- Laryngeal Ultrasonography Revisited in Covid 19 Era
- Our Experience with Single sided deafness
- Proptosis through the eyes of an ENT surgeon

## Forensic Medicine and Toxicology

- Co-relation of Cronological Age of Individual with Anthropological Para-meters & Dental Status.

- Operationalisation of victim centric multi disciplinary care of survivor of sexual violence at One Stop Centre at a tertiary care hospital in a metropolitan city.
- Evaluation of Post Mortem CSF Serotonin Level : Comparison of suicidal versus non suicidal deaths at tertiary care hospital.
- Medicolegal and socio Demographic study of death due to burns at tertiary care centre.
- Spectrum of Non ischemic Cardio-Vascular Pathology In Sudden Natural Death.

### **Gastroenterology**

- A study of gonadal function in male Budd Chiari syndrome (BCS) patients before & after appropriate therapy.”
- An open label extension and safety monitoring study of moderate to severe ulcerative colitis patients previously enrolled in etrolizumab phase ii/iii studies.
- Evaluation of the role of capsaicin on intestinal permeability,
- visceral hypersensitivity and gut TRPV1 receptors in patients with irritable bowel syndrome.
- Predictors Of Early Mortality And Readmission In Alcoholic Cirrhosis Patients Presenting With First Decompensation
- Post-paracentesis leak in patients with Cirrhosis of liver: A Prospective Study
- Evaluation of the utility of genotyping in patients with Budd Chiari syndrome versus standard of care to assess impact on bleeding and costs – A randomized trial
- A Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of Tenofovir Alafenamide (TAF) 25 mg QD versus Tenofovir Disoproxil Fumarate (TDF) 300 mg QD for the Treatment of HBeAg-Negative, Chronic Hepatitis B.
- A Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of Tenofovir Alafenamide (TAF) 25 mg QD versus Tenofovir Disoproxil Fumarate (TDF) 300 mg QD for the Treatment of HBeAg Positive, Chronic Hepatitis B.
- Paracentesis Induced circulatory Dysfunction (PICD) in Patients with Budd Chiari syndrome
- Correlation between esophageal histology, 24 hr pH metry and high definition endoscopy in patient with refractory GERD”
- “Combined phase 3, Double-blind, Randomized, Placebo- Controlled Studies Evaluating the Efficacy and Safety of Filgotinib in the Induction and Maintenance of Remission in Subjects with Moderately to Severely Active Crohn’s Disease.
- A Long-Term Extension Study to Evaluate the Safety of Filgotinib in Subjects with Crohn’s Disease.
- A Randomized, Double-blind, Placebo-controlled, Phase 2 study to Evaluate the Testicular safety of Filgotinib in Adult Males with Moderately to severely Active inflammatory Bowel Disease.
- A Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of Tenofovir Alafenamide (TAF) 25 mg QD versus Tenofovir Disoproxil Fumarate (TDF) 300 mg QD for the Treatment of HBeAg-Negative, Chronic Hepatitis B.
- A Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of Tenofovir Alafenamide (TAF) 25 mg QD versus Tenofovir Disoproxil Fumarate (TDF) 300 mg QD for the Treatment of HBeAg Positive, Chronic Hepatitis B.”
- Gonadal function in male NCPF& EHPVO patients
- COVID-19 pandemic and inflammatory bowel disease from patients prospective a survey from western India
- Multicentric, Phase IV, randomized, double blind, placebo controlled trial to assess effectiveness and safety of Lactobacillus acidophilus LA-5® and Bifidobacterium BB-12® in the treatment of Non-Constipated Irritable Bowel Syndrome in adults aged 18 years to 65 years.
- A Prospective, Multicentric, Randomized, open Label. Active Controlled Trial To Evaluate The Efficacy And Safety Of Sucralfate Administered Concomitant to a PPI Versus PPI alone in Gastro Esophageal Reflux Disorder

### **General Surgery**

- A Study of Breast abdomen a retrospective observational study by Dr Varsha Kulkarni and Dr Anshumi Desai
- Retrospective study of Pancreatic trauma in tertiary care centre by Dr Varsha Kulkarni
- Prospective study of Microbiology of Perforative peritonitis and its effects on outcome by Dr Varsha Kulkarni
- Study of association between surgical delay and postoperative outcome in patients with perforative peritonitis “ by Dr Varsha kulkarni and Dr Smuti shrinivasan

- The audit of surgical admission in department of general surgery at tertiary care center and public teaching hospital during covid 19 pandemic” By Dr Varsha Kulkarni and Dr Nithin Bangaradka
- Retrospective study of peptic ulcer perforations and factors affecting mortality by Dr Mahadeo Garale and Dr Ganesh Dongare
- Implementation of Direct observation of procedural skills in general surgery resident of tertiary care center and teaching hospital by Dr Mandar Koranne and Dr Nithin Bangaradka
- Risk of surgeon contracting Covid 19 while operating on COVID 19 Positive patient impact of safety measure lesson learnt by Dr Suchin Dhamanskar, Dr Mandar Koranne, Dr Pratik Patil
- Healthcare workers adherence to hand hygiene guidelines in emergency surgical room at tertiary care Hospital by Dr Suchin Dhamanskar, Dr Gautam Choudhary, Dr Mandar Koranne
- Preoperative surgical site hair removal for elective abdominal surgery Does it impact on surgical site infection by Dr Suchin Dhamanskar, Dr Mandar Koranne
- Study of Association between surgical delay and post operative outcome in patients with perforative peritonitis
- An audit of surgical admissions in department of general surgery in tertiary care centre & public teaching hospital during covid 19 pandemic
- A Prospective Observational study of perianal abscess.
- A prospective comparative study between intraperitoneal onlay mesh repair and subcutaneous onlay repair in primary ventral hernia
- Severity grading of acute cholecystitis as per Tokyo Guidelines 2018 and evaluation of management in grade 2 and 3 acute cholecystitis in a tertiary referral centre
- Recurrence rate after complex fistula in ano repair used for management of complex fistula
- A study on longterm outcome and quality of life after laparoscopic myotomy in esophageal achalasia
- Outcomes of patients undergoing intervention for acute necrotising pancreatitis: a retro-prospective study
- Prospective observational study to study factors affecting mortality and morbidity in emergency small bowel surgery
- Outcomes of emergency exploratory laparotomy in large bowel pathology.
- An observational study of prevalence of sarcopenia in various gastrointestinal abdominal malignancies.
- To study the impact of the first wave and the second wave of covid 19 infection on acute abdominal emergencies.
- Portsmouth Physiological and Operative Severity Score for the Enumeration of Mortality and morbidity
- The Prevalence of sarcopenia in breast cancer patients.
- Prospective observational study of comparison of early wound complications after midline laparotomy fascia closure with single strand vs double strand suture
- Microbiological profile in cases of perforative peritonitis with respect to anatomical sites of perforation
- A retrospective observational study of outcomes of minimally invasive thyroidectomy
- To study the prevalence of amoebic liver abscess amongst all the cases of liver abscess in a tertiary care set up.
- Prospective study of blunt trauma chest.
- Role of Transverse Abdominis Release Repair in the management of complex ventral hernia in a tertiary care centre
- Observational study of influence of obesity on the improvements in quality of life in female patients undergoing laparoscopic cholecystectomy for chronic symptomatic gallstone disease
- Factors predicting mortality in acute mesenteric ischemia: A prospective observational study
- Retrospective Observational Study on Microbiology of Diabetic Foot Infections.
- Study of Surgical Site Occurrences (SSO) In Elective Midline Open Ventral Hernia Repair : A Prospective Observational Study.
- Surgical Audit of Abdominal Paragangliomas – A retrospective observational study
- Outcomes of Interval Laparoscopic Cholecystectomy done after Percutaneous Transhepatic Cholecystostomy-A Retrospective Observational Study
- Comparison of outcomes of small bite
- versus large bite closure of midline abdominal incisions: A prospective observational study’
- Prospective and Retrospective study for Prediction of Difficult Laparoscopic Cholecystectomy
- Surgical Audit of Minimally Invasive Adrenalectomy
- Clinical study of re-explorations in a tertiary care centre
- Outcome of ventral and inguinal hernia repair in chronic liver diseases-Prospective observational study
- Comparison of outcomes of extra-corporeal suturing versus intra-corporeal suturing of the defect in laparoscopic intraperitoneal onlay plus (IPOM Plus) repair of ventral hernia-Prospective observational study



- Audit of mortality after surgery for malignant obstructive jaundice
- Utility of manheim peritonitis index score for predicting morbidity and mortality in patients with secondary peritonitis

## Hematology

- Along with Immunologic milieu of haemophiliapatientns predisposed to develop inhibitors; prognostic implications
- Defining immunological markers for response to immunosuppressive therapy in a patient of aplastic anemia
- STASEY trial - Emicizumab in PWH with inhibitor in collaboration with clinical Pharmacology.
- Guardian 10 trial in Severe hemophilia A
- A prospective multicenter, randomized, double blind study to compare the efficacy and safety of ENZ 110 (similar biologic of Romiplostim) versus innovator Romiplostim in patients with chronic immune thrombocytopenia (ITP).
- “Micro particles versus thrombin generation assays as predictive tests for dosage adjustment of bypassing agents in hemophilia patients with inhibitors”
- Defining immunological markers for response to therapy in patients with aplastic anemia.
- Cytogenetic and molecular study of Myelodysplastic syndrome in Indian Population
- Telomerase activity and telomere gene mutations in aplastic anemia.

## Medicine

- Clinical profile & cognitive function in elderly hypertensives
- Study of ADR s of anti-hypertensive drugs
- Study of AKI in Liver Cirrhosis
- Study of outcome in GBS with Autonomic Dysfunction
- Study of ABPM in Resistant Hypertensive patients
- Unicentric Castleman disease in sputum positive pulmonary tuberculosis – an incidental but intriguing findings with rare association of renal tubular acidosis and hypokinesia.
- A Rare case of Double positive Anti GBM and ANCA MPO vasculitis evrtning into rapidly progressive Glameralonephritis: A Diagnostic & Therapeutic.
- Digital Gangrene – A rare presenting feature of young girl ith SLE.
- SLE presenting as toxic epidermal necrolysis.
- Sjogren’s disease with hypergammaglobulinemia purpura – A delayed diagnosis and the enigma of lymphoma risk.
- Purpura Flaminius – A case report in Disseminated intravascular Coagulation and Sepsis.
- Leukemoid reaction in a case of stills disease vs sepsis
- Intraparenhymal hemowhage as presenting feature in a case of Sjogren syndrome with primary membranous nephropathy.
- Hyperuricemia and its correlation with metabolic syndrome and its corresponding.
- Case report: Dilaled Cardiomyopathy as a complication of adrenal cases insufficiency secondary to disseminated tuberculosis presenting as congestive cardiac failure.
- Melodious –A total disease in an immunocompromised patient.
- Efficacy of adalimumab vs biosimilar in ankylosing spondylitis
- Foot involvement in RA
- Comparison of seronegative and seropositive RA patients
- Pulmonary involvement in RA
- Hepatic disorders in pregnancy
- Hematological involvement in SLE
- Pharmacogenomic Evaluation of Tenofovir Induced Renal Toxicity in Indian HIV-1 Positive Patients.
- Safety and immunogenicity of the third dose of COVID-19 vaccine among seronegative fully vaccinated immunocompromised patients: A quasi experimental study, India, 2021
- A randomized, placebo controlled, double-blind study to evaluate the safety and efficacy of oral Ambroxol in hospitalized patients with COVID-19
- Clinical and haematological profile of patients with bicytopenia in tertiary care institute
- Study of patients with hyponatremia in acute cerebrovascular accidents at tertiary health care centre.
- Evaluate thyroid profile in patients of liver cirrhosis and correlation of thyroid profile with clinical and biochemical parameters of severity of liver disease.

- To study the clinical profile and assess Palliative care needs of patients with chronic medical conditions admitted at a tertiary care hospital.
- Study of clinical profile of autoimmune hemolytic anemia in tertiary care centre
- Study of patients readmitted within 30 days of discharge in medical wards in tertiary care centre
- Study of clinical profile of heart failure in pregnant and postpartum patients in tertiary care centre
- Study clinical profile and short term outcome of patients of acute coronary syndrome age less than 45 yrs in tertiary care centre
- Study clinical profile and outcome of acute ischemic stroke in tertiary care centre
- Study of acute kidney injury during pregnancy and puerperium in tertiary care centre
- Clinical profile of Non alcoholic fatty liver disease and its co-relation with metabolic syndrome and cardio vascular risk
- Clinical profile of Cerebral Venous Thrombosis (CVT )
- A study of clinical profile and outcome of Acute heart failure in elderly patients
- Risk assessment and prognosis of patients with Rhino-orbito-cerebral Mucormycosis, Experience at tertiary care institute in Western India
- Prevalence of discordant HIV couples and factors impacting serodiscordance and fertility intentions.
- A study on post coronavirus disease mucormycosis from Western India, Mumbai
- A retrospective analysis of COVID-19 deaths in a tertiary care hospital
- A Study OF Clinical Spectrum, outcomes and prognostic factors in Acute Infective Hepatitis, in a tertiary care hospital
- Adverse drug reactions with antifungals used in the management of COVID associated Rhino-orbito-cerebral mucormycosis.
- “Clinical outcomes of Favipiravir in COVID-19 at a tertiary care hospital in India: A retrospective observational study”
- Clinical profile of Dengue patients within Organ Involvement of Tertiary care Hospital.
- Cross Sectional & observational study of clinical profile of iron deficiency in patients with heart failure with reduced ejection fraction.
- Study of Clinical profile outcome in patients with Hepatitis B.( EC/135/2019)
- A retrospective analysis of COVID-19 deaths in a tertiary care hospital.
- Retrospective analysis of Itolizumab treatment for cytokine release syndrome in cases of moderate to severe Covid-19 ARDS.
- Clinical profile of Covid 19 RTPCR Negative patients presenting with SARI admitted at tertiary care institute.
- Unicentric Castleman disease in sputum positive pulmonary tuberculosis – an incidental but intriguing findings with rare association of renal tubular acidosis and hypokinesia
- A Rare case of Double positive Anti GBM and ANCAMPO vasculitis evrtning into Rapidly progressive Glameralonephritis: A Diagnostic & Therapeutic.
- Digital Gangrene – A rare presenting feature of young girl with SLE.
- SLE presenting as toxic epidermal necrolysis.
- Sjogren’s disease with hypergammaglobulinemia purpura – A delayed diagnosis and the enigma of lymphoma risk.
- Purpura Fulminans – A case report in Disseminated intravascular Coagulation and Sepsis.
- Role of Vitamin D and angiotensim in endothelial dysfunction among COVID 19 Patients from Mumbai, Maharashtra
- a study on post coronavirus disease mucormycosis from western india, mumbai with Dr Smrati T as principal investigator with ICMR.
- study of clinical profile of patients admitted with urinary tract infection and their clinical outcome
- Prevalence of discordant HIV couples and factors impacting sero discordance and fertility intentions.
- Study on clinical profile of acute encephalitis syndrome
- Clinical profile of AKI IN COVID pts

### Microbiology

- Utility of Xpert Xpress SARS-CoV-2 assay for rapid detection of SARS-CoV-2 in a tertiary care center.
- Retesting of rifampicin resistant tuberculosis in newly diagnosed pulmonary tuberculosis patients.
- Is there an association between Tuberculosis and COVID-19 - A questionnaire based study.
- Comparison of Xpert MTB/RIF®, Line Probe Assay and culture in diagnosing Pulmonary Tuberculosis using samples collected by bronchoscopy.
- Oral swab as an alternative specimen for diagnosis of Tuberculosis

- Comparison of Gastric lavage/ sputum and Stool specimens in the diagnosis of Paediatric Pulmonary Tuberculosis- A pilot study
- Utility of rapid antigen test for COVID-19 at a tertiary care centre.
- Persistent positivity of SARS-CoV-2 RNA
- IPC interventions and strategies in a burns unit
- Prevalence of invasive aspergillosis in hematological patients in a tertiary care hospital.
- Clinico-Microbiological relevance of significant bacteriuria in kidney transplant patients.
- Seroprevalence of Hepatitis D in HBsAg positive patients at a tertiary care hospital
- Utility of laboratory diagnostic tests in women suspected of Genital Tuberculosis attending a tertiary care teaching hospital.
- Evaluation of diagnostic performance of Xpert MTB/RIF Ultra assay in suspected Tuberculous meningitis cases in tertiary care setting
- Fosfomycin susceptibility in Enterobacteriaceae and Enterococcus species causing Urinary tract infections.
- Incidence and risk factors for catheter related blood stream infections in dialysis patients.
- Prevalence of Hepatitis A and E in acute viral hepatitis patients.

### **Neonatology**

- National Registry on COVID-19 infection among pregnant women and their neonates
- Fluid restriction for term infants with HIE following perinatal asphyxia: A RCT
- Mother to child HBV transmission
- A quality improvement initiative to reduce device related skin injuries in NICU
- A quality improvement initiative to increase the donation of milk to the human milk bank post COVID 19 Pandemic.
- Kangaroo mother care in neonates with birth weight of 2000g -2500g: A Quality improvement study
- Administration of surfactant in labour room: a quality initiative study
- Diagnostic accuracy of neutrophil to lymphocyte ratio in neonatal sepsis in comparison to body fluid culture: A retrospective observational study.
- Post INSURE administration of Heated Humidified High Flow Therapy versus Nasal Continuous Positive Airway Pressure in Preterm Infants more than 28 weeks gestation with Respiratory Distress Syndrome: A Pilot Trial
- Reduction in early onset sepsis by improving infection control strategies in delivery room post pandemic period - A quality improvement study
- Neonatal BPD outcome estimator for prediction of BPD in Indian preterm population: A prospective observational study.
- Improving routine use of analgesia for venipuncture in tertiary level NICU - A QI study

### **Collaborations:**

- National:
  1. Facility Based Newborn Care in collaboration with National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India under NUHM
  2. National Registry on COVID-19 infection among pregnant women and their neonates in under agies of ICMR/ DHR
  3. Special Newborn Care Unit (SNCU) software program in collaboration with Government of Maharashtra under NUHM
  4. Ophthalmic evaluation of normal babies and High Risk NICU graduates in collaboration with KB Haji Bachooali Charitable Ophthalmic and ENT hospital, Mumbai.

### **Nephrology**

- FLOW - Effect of semaglutide versus placebo on the progression of renal impairment in subjects with type 2 diabetes and chronic kidney disease.
- Prophylaxis for patients at risk of COVID-19 infection (PROTECT)
- A phase 3 randomized controlled study of renal autologous cell therapy (react) in subjects with type 2 diabetes and chronic kidney disease (REGEN)
- Immunological profile of patients with kidney disease and COVID19 associated mucormycosis.
- Pharmacokinetics of sulfobutylether- $\beta$ -cyclodextrin (SBECD) and Remdesivir in patients with severe COVID19 and kidney disease.

- Randomized Control Trial to compare effect of Atenolol vs Telmisartan in hemodialysis patients with uncontrolled hypertension.
- Study of clinical profile, laboratory parameters and genotype phenotype correlation in patients with Membranoproliferative glomerulonephritis (MPGN) pattern on renal biopsy
- To study the long term renal outcome of patients with pregnancy related acute kidney injury.
- Ovarian dysfunction in females with Lupus nephritis
- To evaluate affects of tenofovir on kidney function in patients with HIV/AIDS
- To study tubular dysfunction in patients with lupus nephritis.
- A study of prevalence, exposure-response relationship and consequences of iron overload in patients on chronic maintenance haemodialysis
- A study of clinical features, laboratory parameters and genotype- phenotype correlation in patients of Distal Renal Tubular Acidosis
- Study of incidence, risk factors and outcomes of Antibody mediated rejection in Indian renal transplant recipients
- Clinical profile, management and outcomes of COVID-19 infection in kidney transplant recipients.
- Outcome of COVID-19 infection in Haemodialysis patients
- Effect of atenolol in chronic kidney disease patients on hemodialysis with uncontrolled hypertension.
- Complement system abnormalities in aHUS
- Tuberculosis in post renal transplant patients
- Comparison between CKD patients on twice vs thrice weekly Hemodialysis
- Clinical profile of patients with malignant HTN and kidney involvement.

### **Neurology**

- A prospective, multicenter, post marketing surveillance to assess safety and efficacy of Perampanel in Indian patients as an adjunctive treatment in partial onset seizures with or without secondary generalised seizures in patients with epilepsy aged 12 years or older.

### **Neurosurgery**

- Atlanto axial dislocation
- Craniopharyngioma
- Intramedullary tumors
- Spinal cord injury

### **Nuclear Medicine**

- Role of PET/CT in assessment of vasculitis
- Role of FDG PET/CT in autoimmune encephalitis.
- Role of F-18 bone scan in disease activity assessment of mandibular condylar hyperplasia
- Role of PET/CT in dementia- differentiating degenerative dementia.

### **Obstetrics and Gynaecology**

- Exosomes omics study for pre-eclampsia.
- Idiopathic Recurrent Pregnancy Loss: Possible Association with Paternal exposure to Endocrine Disruptors and Epigenetic Modifications in Sperm.
- Involvement of paternal imprinting at micro RNA clusters of chromosomes 14 and 19 in recurrent spontaneous abortions.
- Abberant paternal imprinting : A risk factor for pre-eclampsia.
- COVID-19 infection among pregnant women and their neonates.
- Comparison of different treatment modalities in gestational diabetes mellitus (GDM) and its maternal and fetal outcomes.
- A study of fetomaternal outcomes of second stage lower segment caesarean section
- Cholestasis of pregnancy : A prospective observational analysis of maternal and foetal outcomes
- A study of different sites of implantation of ectopic pregnancy and its management

- Non-obstetric causes of abdominopelvic pain
- Maternal and perinatal outcomes in women with congenital heart disease.
- Massive obstetric haemorrhage and its maternal and perinatal outcomes- a retrospective and prospective observational cohort study.
- Modified early obstetric warning score: feasibility and validation in high risk women in tertiary care.
- Assessment and establishment of determinants of sexual activity in primigravida and multigravida.
- Placenta in pregnancy induced hypertension: histopathological insight.
- An analysis of prenatal invasive testing in obstetrics at a tertiary care centre- a retrospective study.
- Effect of body mass index (BMI) and weight changes during gestation on perinatal and maternal outcome- a prospective observational comparative study.
- Surgical site infection in post lower segment caesarean section- epidemiology, causes and prevention.
- Analysis of stillbirth as per recode classification
- Effect of Deranged Liver Function Test During Pregnancy On Maternal and Perinatal Outcome
- Congenital fetal malformations and pregnancy outcome.
- Maternal and fetal outcome in women with mitral valve disease of rheumatic origin.
- Obstetric outcome in surgically scarred uterus.
- Fetomaternal complications of tertiary care referrals in pregnancies with Assisted Reproductive Techniques.
- First trimester vaginal bleeding and pregnancy outcome.
- Analysis of maternal and fetal outcome in case of oligohydramnios.
- Placental site implantation disorders and its implications in the third trimester of pregnancy.
- Knowledge and Attitude about permanent method of contraception in females
- Clinical audit of maternal mortality in a tertiary care centre- an observational retrospective study.
- Analysis of maternal and fetal outcomes in breech delivery.
- A prospective study of analysis of maternal and neonatal outcome following preterm prelabour rupture of membrane
- Analysis of caesarean section by Modified Robsons criteria at a tertiary care centre (a retrospective observational study )

## **Ophthalmology**

- ocular manifestation of mucormycosis -dr shilpa
- anterior segment optical coherence tomography finding in various corneal pathologies dr.makarand
- comparative study of corneal astigmatism in pre and post operative pterygium surgery-dr supriya tatkase
- visual prognosis in patients suffering from orbital mucormycosis-dr gunjan shah
- cross sectional study of oct macula findings in a case of according to its severity dr. priyanka algude
- incidence and causes of glaucoma in post ptk patients-dr komal malpani
- etiology and clinical profile of unilateral and bilateral disc edema-dr sharayu badbade
- Hyperbaric oxygen therapy as an adjunctive treatment in post covid -19 mucormycosis. dr. sabakhan
- Perineural spread in pathogenesis of mucormycosis. dr. sayali mahajan

## **Occupational Therapy**

- Effect of yoga as an adjunct to occupational therapy program on balance and quality of life for people with idiopathic Parkinson's disease: a randomized control trial.
- Effect of exercise intervention and functional approach on fear of fall in community dwelling elders.
- Efficacy of parent training program with emphasis on sensory strategies on executive function in children with diagnosis of attention deficit hyperactivity disorder.
- To assess the knowledge and attitude regarding play needs of children among parents of typical children and parents of children who are undergoing occupational therapy treatment
- Effectiveness of core and lower extremity muscle strengthening on functional independence in children with spina bifida between age of 1 to 4 years.
- Effect of occupational therapy intervention on sleep pattern and duration in children with attention deficit hyperactive disorders in age group of 5-10 years & their primary caregiver
- Functional outcome of hand after rehabilitation of flexor tendon injury at zone ii & v : a prospective observational study in a tertiary care hospital

- Relation of different types of eyeglasses with neck and head posture in middle aged individuals – a cross-sectional study
- Correlation of Muscle Tone to - Muscle Tone and Voluntary Control in UMN lesions.
- To study the relationship between voluntary control and muscle tone in upper extremity and their implication on function- A correlational study.
- Assessment of duration using canalith repositioning maneuver and habitual exercises on Benign paroxysmal postural vertigo. - A Randomized control trial.
- Effectiveness of Pilates as an adjunct to occupational therapy intervention for pelvic stability, gait and functional mobility in stroke - A Randomized control trial.
- Parental expectations from health care providers of pediatric wards in tertiary care hospital on the basis of Family centered approach.
- Stressors in parents of school going children with Attention Deficit Hyperactivity Disorder in the age group of 6 to 12 years and perceived barriers in Occupational Therapy program participation.
- Effectiveness of Graded motor imagery versus Cross-education for improving upper limb functions in distal radius fracture.
- Effectiveness of Client-centered ADL training program for improving Upper Extremity function in Subacute Adhesive Capsulitis: A Randomized Control Trial.
- Risk of work related musculoskeletal disorders (WSMDs) and Efficacy of ergonomic program among nursing students.
- Executive functions in children with ADHD.
- Expectations from health care providers of pediatric wards in tertiary care hospital on the basis of Family- centered approach.
- PhD theses Comprehensive Assessment Tool for functional evaluation of hand.
- Effect of covid pandemic on academics of PG MOTH students
- SUEO ( Satisfaction with upper extremity orthosis. Scale : Pilot study.
- Hemophilia Care in Western India: A review and experience from a tertiary care hospital in Mumbai.
- Prevalence of sexual concerns in young adult hemophilic males: a cross sectional study.

## Orthopaedics

- Patient satisfaction after unicondylar knee replacement.
- skull base morphometric analysis in congenital basilar invagination.
- Patient satisfaction after total hip replacement.
- Comparative analysis of regular and high horizontal offset stem on stability in bipolar hemiarthroplasty for fracture neck of femur.
- Study of clinical outcome of restored and non restored posterior femoral condyle in total knee replacement.
- Comparative study of the functional outcomes of intercondylar lower humerus fractures in adults stabilised by Bicondylar plate VS stabilised by lateral condylar plate with multiple inerecondylar
- Functional outcome of Pott's fracture treated by percutaneous TBW for medial malleolar fracture and single intramedullary k wire fixation for tibia.
- Outcome of new cost effective silicone template for 2 stage reconstruction of infected TKR.
- Prevalence of sleep disorders in post TKR patients.
- Does fully coated uncemented stem cause stress shielding of proximal femur
- Morphometric study of the patterns and variation of glenoid in western population in India
- Clinico Radiological study to compare USE of proximal femoral nail and dynamic hip screw in unstable inter trochanteric fractures of femur.
- Radiology and CT morphology of distal radius and ulna in India women
- Cross sectional analysis of risk factors in spinal tuberculosis- experience of tertiary apex center over one and half year period.
- Comparative analysis of diffusion tensor imaging in compressive Vs non-compressive myelopathy.
- Role of spinopelvic parameters in evaluation of lumbar Disc disease in Indian population.
- Anthropometric correlation of hamstring graft size in anterior cruciate Ligament reconstruction in a tertiary care hospital in Indian scenario.
- Clinico radiological outcome in operated patients of MDR TB spine a Single centre retrospective analysis.
- Evaluation of soft tissue injuries associated with proximal Tibia fractures.

## Paediatrics

- A Phase IV randomized, controlled study of the safety and immunogenicity of Rabishield + Rabivax S post exposure prophylaxis regimen in patients with potential rabies exposure.
- Immunogenicity and safety of SHAN 6<sup>®</sup> vaccine when administered as a booster in healthy toddlers in India.
- Co-Investigator for clinical trial: Immunogenicity, molecular profiling and safety of a marketed quadrivalent influenza vaccine (FluQuadri™) administered by the intramuscular route in children 3 – 8 years old. [DBT Project].
- Co-Investigator for clinical trial: Immunogenicity, molecular profiling and safety of a marketed quadrivalent influenza vaccine (FluQuadri™) administered by the intramuscular route in infants aged 6 – 12 months (KEM-QIV-3- INCENTIVE). [DBT Project].
- Reliability and reproducibility of tuberculin test in diagnosis of childhood tuberculosis.
- Delayed medical attention in monsoon related illnesses: causes, risk factors and impact on outcome.
- Etiology, patterns and trends of poisoning and animal bites in children.
- Effect of infant feeding practices on growth.
- Emotional intelligence of students with specific learning disabilities.
- An observational study of the risk factors for occurrence of febrile seizures and its recurrence in children.
- Economic burden of Gaucher disease in a tertiary care hospital.
- Use of non-invasive ventilation in a tertiary care pediatric intensive care unit.
- To study the efficacy of chelation therapy on serum ferritin level in pediatric thalassemia patients aged between 18 months to 12 years.
- Indicators and risk factors for inappropriate complementary feeding practices in study population: a case control study
- Risk factors for severe acute malnutrition in study population- a case control study
- Risk factors for hypocalcemic seizures in infancy: a case control analysis
- Assessment and response of clinical and arterial blood gas parameters during initiation of noninvasive ventilation in pediatric intensive care unit
- Patterns of screen use time and its effect on health of children aged 5 to 12 years
- Parental perceived health related quality of life of students with borderline intellectual disability.
- Anxiety related disorders in students with borderline intellectual disability.
- Economic burden of language barrier, a prevalence based cost of illness study of its direct, indirect and intangible costs.
- An observational cross-sectional study of adherence to antiepileptic medications in children and to determine the factors associated with non adherence
- Clinico-etiological spectrum of infections in children with Nephrotic syndrome
- A study of barriers to prenatal testing of genetic diseases in children.
- Prescription patterns and direct cost analysis of levetiracetam in pediatrics patients in a tertiary care hospital
- An observational study of current practices of enteral nutrition in patients admitted to a tertiary care pediatric intensive care unit.
- An observational study of the pattern of use of analgesics, sedatives and neuromuscular blocking agents in a tertiary care pediatric intensive care unit
- Study of the etiology and clinical profile of hepatosplenomegaly in children 1 month to 12 years of age in tertiary care center
- Clinical & etiological profile of liver abscess in children with special reference to the outcome
- Clinical and etiological profile of parapneumonic pleural effusions in children with special reference to outcome.
- A prospective observational study on the frequency and clinical profile of hypocalcemic seizures in children under 2 years of age
- A prospective observational study of risk factors, bacteriological profile and pattern of antimicrobial resistance in blood culture in pediatric intensive care
- Clinicopathological analysis of heart disease in pediatric age group
- An audit of quality of referral letters written by school principals for students having poor school performance
- An observational study on adverse effects of antiepileptic drugs in children in a tertiary care hospital.
- An observational study on clinico- etiological profile of epilepsy in children at a tertiary care center.
- A study of psychological impact on parents of children admitted in pediatric intensive care unit.
- A study of psychological impact in caregivers of persons with childhood onset Gaucher disease.
- Knowledge and attitude of postgraduate medical students in a tertiary care public hospital in Mumbai towards universal newborn screening.

- An observational study of current practices of blood / blood product transfusion in a tertiary care pediatric intensive care unit
- An observational study of the causes, management and outcome of seizures in a tertiary care pediatric intensive care unit.
- An observational study of serum electrolyte abnormalities (Na<sup>+</sup> & K<sup>+</sup>) in patients admitted to a tertiary care pediatric intensive care unit.
- To study PSQSA score a predictor of mortality in children admitted in pediatric intensive care unit with sepsis.
- C.T. Deshmukh. Gene Xpert from stool sample of children with proven Tuberculosis (with Microbiology department).
- Raakhi Tripathi, C.T. Deshmukh, Milind S. Tullu, S. Gajbhiye, S. Jalgoankar. Evaluation of prescription patterns and off label drug use in pediatric ICU of a tertiary care center (2019-2021).
- Rajwanti K Vaswani, Naimesh Mahendra Modi. A retrospective study on the clinic-etiological profile of acquired demyelinating diseases of the central nervous system in children.
- Mamta Muranjan, Sunil Karande, Sakshi Rajoria. Audit of therapy for lysosomal storage disorders at a genetic clinic in Mumbai during Covid 19 pandemic (project of Dr. Sakshi Rajoria for MUHS fellowship in Clinical Genetics academic year 2021 - 2022).
- Yogesh Mokase. Retrospective study of clinico-etiological profile of focal seizures in children.
- Aishwarya Lachake, Shruti Mondkar, C.T. Deshmukh. Pre COVID-19 versus COVID-19: Admission trends in the pediatric population at a tertiary care hospital in Mumbai (Ongoing).
- Aishwarya Lachake, Shruti Mondkar, C.T. Deshmukh. Clinico-demographic Profile and Outcome of Pediatric SARS-CoV-2 Infection: A Comparative Study of First Wave and Second Wave (Ongoing)

### Paediatric Surgery

- Rotasil Vaccine Intussusception Surveillance in Kerala, Karnataka, Maharashtra and Gujrat, India
- Role of laparoscopy in the management of Disorders of sex development
- Role of Holmium:YAG laser versus electrocautery for Posterior urethral valve fulguration in paediatric patients
- 'Birth Defect Clinic'\_ An Integrated approach to perinatal management of antenatally diagnosed anomalies
- Early experience of Three-dimensional (3 D) minimal access surgery in Paediatric age group in a tertiary care institute

### Pathology

- Gall bladder project - Comparison of incidence of precursor and pre-invasive lesions of the gall bladder in patients operated for chronic cholecystitis and cholelithiasis in endemic and non-endemic regions in India with Tata Memorial hospital, Mumbai
- Autopsy study of deaths due to cerebral venous sinus thrombosis and sagittal sinus thrombosis.
- Clinicopathologic study of lateral ventricular tumors
- Autopsy study of pneumonia in children
- Clinicopathologic study of infective endocarditis in children
- Utility of the Sydney system for reporting of lymph node aspiration cytology
- Fine needle aspiration cytology of breast lesions and its correlation with mammography.
- Renal pathology in autopsies of Diabetes Mellitus
- Pathological profile of cases of disorders of sexual development at a tertiary care centre
- Surgical Pathology of Malignant liver neoplasm- A 11 year retrospective study

### Pharmacology and Therapeutics

- Evaluation of awareness of drug treatment, prescription pattern, adverse drug reactions and adherence in patients of Major Depressive Disorder.
- Evaluation of Awareness to Drug Treatment, Prescription Pattern & Self-medication practices in patients of Chronic Heart Failure.
- Evaluation of Prescription Pattern & effectiveness of drugs used in ADHD at a tertiary hospital.
- An experimental study to evaluate the anti-depressant effect of Zileuton and aqueous extract of *Phyllanthus emblica* in unpredictable chronic mild stress induced depression in Albino mice.
- Evaluation of effect of *Cyperus rotundus* in a murine model of Dextran Sulphate Sodium induced acute colitis.
- An Observational Study for Evaluating Prescription Pattern of drugs, Adverse drug reactions in Paediatric Acute Lymphoid Leukaemia in a tertiary care Hospital.



- To assess the prescription pattern of anti-retroviral agents and study of adverse drug reactions profile in patients attending ART centre in a tertiary care hospital.
- Evaluation of Adequacy of Pain Relief and Medications Used in Pain Management in Cancer Patients Attending Palliative Medicine Out-Patient Department in a Tertiary Care Hospital.
- Evaluation of effects of Dextromethorphan in the model of post-traumatic stress disorder in Sprague Dawley Rats.
- A cross sectional study to detect the presence of steroids in fairness and beauty creams available in India.
- Assessment of Physico-Chemical properties of the Bhasma and Evaluating the effect of Bhasma on animal model of Parkinson's disease.
- To evaluate anti-allergic and immunosuppressive potential of *Boerhaavia diffusa* in experimental animals.
- Evaluation of effect of Durva (*Cynodondactylon*) and Shatavari (*Asparagus racemosus*) on implantation in mice and its mechanism of action.
- Mass spectrometry based early detection of potential biomarkers for cervical cancer in Indian women.
- Impact of prescription communication training program: Longitudinal assessment in interns.
- Evaluation of prescription patterns and off-label drug use in paediatric ICU of tertiary care centre.
- Pioglitazone 7.5 mg Vs pioglitazone 15 mg in glycemic control in Type 2 diabetes mellitus.
- Knowledge, Attitude and Practices regarding assessment of risks and benefits of proposed clinical research studies by ethics committee members: A questionnaire based study.
- Evaluation of the chondroprotective effect of Doxycycline in Monosodiumiodoacetate induced Osteoarthritis in Wistar rats.
- Audit to assess the time taken between manuscript submission and publication in medical journals.
- Evaluation of stem cell research published in Stem cell research and Therapy journal in last 10 years: A review.
- Evaluation of the prescription pattern of drugs in different OPDs of a tertiary care hospital [ICMR RUD task force project].
- A randomized, placebo-controlled, double-blind study to evaluate the effect and tolerability of *Withania somnifera* on physical performance, biomarkers of inflammation and muscle status in healthy volunteers.
- Evaluation of the role of capsaicin on intestinal permeability, visceral hypersensitivity and gut TRPV1 receptors in patients with irritable bowel syndrome.
- Evaluation of urinary lactulose mannitol ratio and sucralose concentration in healthy volunteers”
- An Open Label, Randomized, Multicentric, Comparative Clinical Study to Evaluate the Efficacy and Safety of Oro-T ORAL RINSE (IN-100000264) in Mitigation and Treatment of Oral Mucositis during Cancer Radiotherapy with or without Chemotherapy in Head and Neck Cancer Patients.
- A Randomized, Double Blind, Multicentric, Parallel-group, Phase III Clinical Trial to evaluate the Efficacy & Safety of 5% Spironolactone Topical Cream versus Placebo in Patients with Acne Vulgaris.
- Comparative, Double-Blind, Randomized, Multicenter, Phase III study to compare the safety & efficacy of ENZ105 of Enzene Biosciences Ltd. with Innovator Ranibizumab in subjects with Neovascular (Wet) Age related Macular Degeneration (AMD)
- An experimental study to evaluate the Anti-depressant potential of Metformin in conditioned defeat model in golden Syrian hamsters.
- Evaluation of Management of Hyperglycemia during Perioperative period in surgical patients of a Tertiary Care Hospital.
- Evaluation of the effect of Metformin on Trinitrobenzene sulfonic acid (TNBS) induced acute and chronic colitis in BALB/c mice.
- Evaluation of the effect of Memantine on Complete Freund's adjuvant (CFA) induced Rheumatoid Arthritis (RA) in Wistar rats.
- Evaluation of drug awareness, adherence and prescription pattern in chronic primary open angle glaucoma (CPOAG) patients presenting to the ophthalmology OPD in a tertiary care hospital.
- Evaluation of effect of dextromethorphan on post- traumatic stress disorder model in C57BL/6 mice.
- Evaluation of the clinical outcome, prescription patterns and cost of treatment in patients with lupus nephritis in a tertiary care hospital.
- 'Experimental Evaluation of Hypnotic and Antidepressant Effect of Pine Needles of *Cedrus deodara*.
- To study disease and drug awareness, prescription patterns and self-medication practices in patients of functional bowel disorder.
- Evaluation of Neuro-protective effect of Sinomenine in 6-hydroxy dopamine induced Parkinson's disease in Wistar rats.

- A prospective, multicenter, randomized, double-blind, Phase III study to compare the efficacy and safety of Biosimilar Adalimumab injection of Enzene Biosciences Ltd. with HUMIRA® (adalimumab) injection in subjects with active Ankylosing spondylitis (AS).
- Ashwagandha for the prophylaxis against SARS CoV-2 infection: A randomised hydroxychloroquine controlled clinical trial in health care providers.
- Prophylaxis for COVID-19 among health care workers in India: A cross sectional study [ICMR-RUD task force project].
- ICMR-RUMC COVID-19 Study for the Assessment of Prophylaxis for Health Care Workers [ICMR-RUD task force project].

### Physiology

- A Pilot study to find the correlation of sleep body posture and BMI with severity of apnoea in obstructive sleep apnoea syndrome.
- Effect of duration of smart phone use on heart rate variability in young adult males.
- Effectiveness of activities of association for support & propagation of innovation, research & education (ASPIRE) to empower undergraduate medical students towards research.
- Factors influencing failure rate among first year students of 'COVID-19'batch: A case control study.
- Impact of COVID-19 pandemic on post graduate medical education and career: An online survey in Maharashtra.
- A study to assess the readiness in first year MBBS students towards self-directed learning by self-rating scale of self-directed learning.
- Assessment of lung function by using spirometry in post -menopausal women.
- A comparative study of Aerobic capacity & body composition between Indian classical "Kathak" & western contemporary dance forms in young adult female dance.

### Physiotherapy

- Comparison of quality of life, functional capacity and lung function among post Covid-19 and age matched healthy adults.
- Correlation of cardio-respiratory fitness with physical activity level and perceived stress in post graduate physiotherapy students.
- Effect of training of diaphragmatic breathing exercise using video assisted technique V/S traditional method on single breath count and chest expansion in patients with pulmonary disease.
- Comparison of VO<sub>2</sub> max in smokers and non-smokers.
- Correlation of fit fat index and condition specific QOL in hypertensives.
- Correlation between motor imagery ability and performance of dynamic balance test in healthy young adults.
- Correlation between working memory and hand laterality judgement in elderly.
- Correlation of physical factors and kinesiophobia with disability in patients with chronic neck pain
- Correlation of physical performance and kinesiophobia with functional mobility scale in patients with knee osteoarthritis.
- Correlation of strength and dynamic balance with self-reported functional ability among elderly population with lower extremity dysfunctions.
- Comparison of hand grip strength, manual dexterity and QO writing of unaffected limb of patients global brachial plexopathy with that of non-dominant hand of age matched normals.
- Analysis of pain and disability among type 2 diabetic and non-diabetic patients with shoulder pain
- Correlation of patient reported disability with dexterity and wrist joint proprioception sense in subjects with fractures around the wrist.
- Correlation of estimated VO<sub>2</sub> peak using ISWT with QOL and ejection fraction in heart failure patients.
- Comparison of QOL functional capacity and lung function among post COVID -19 and age matched healthy adults
- Correlation of cardiorespiratory fitness with physical activity level and perceived stress in postgraduate Physiotherapy students.
- Effect of retraining motor control of lumbo-pelvic-hip complex on scapula-humeral rhythm and pain in patients with shoulder impingement
- Correlation of emotional intelligence with functional mobility and reaction time in healthy young adults.
- Effect of retraining motor control of lumbopelvic-hip complex on one-minute sit to stand and chair rising strategy in patients with knee osteoarthritis.

- Correlation of cognition with Risk of falls in elderly.
- Correlation of Fit-Fat index and condition-specific Quality of life in hypertensives.
- Comparison of effect of slow deep breathing versus Gayatri mantra chanting on attention, memory and visuo-perceptual ability in school going children of 13- 14 years of age.
- Compare the effect of slow deep breathing exercise versus OM chanting on attention and memory in school children in the age group of 11-13 years.
- Correlation between working memory and hand laterality judgement (HLJ) in elderly.
- Analysis of Musculoskeletal Dysfunctions, Patient Perception towards pain and disability and Physical performance in patient with non-specific neck pain.
- Analysis of structural changes, physical function and quality of life of patients undergoing physical therapy rehabilitation after total knee arthroplasty – a follow up study
- Effect of exercise and massage on sleep problems in children with cerebral palsy.
- Physical education activity or combination of both on physical fitness in adolescent urban Comparison between effect of equal intensity training with suryanamaskar or school children -A randomized control trial.
- Exploring the mobility disability in urban elderly with mild cognitive impairment and the effect of exergaming: a mixed method approach.

### **Plastic Surgery**

- Study to assess quality of life in burn survivors
- Evaluation of two point discrimination in hands
- Unrealistic expectations in aesthetic surgery- body dysmorphic disorder and the Plastic Surgeon
- Micropore Strapping- a practical aid for efficacious wound closure and scar excision
- A prospective multicenter, non comparative, open label, post marketing surveillance to evaluate the safety and efficacy of Decellularized Dermis (Dermacell AWM) for the replacement of damaged skin in patients with lower extremity Ulcers, Traumatic Burns and dehisced Surgical wounds in clinical practice in India
- Use of novel low cost skin spray machine
- Audit of cases presenting to Plastic Surgery Department during 2 year period from 1st March 2019 to Feb 2021

### **Psychiatry**

- Study of comorbidity, aggression & parenting style in children suffering from disruptive mood dysregulation disorder-impact on functional impairment
- A Study on Impostor Phenomenon, Personality and Self-Esteem of Medical Undergraduates and Interns
- A Survey On Medical Undergraduate Students Perceptions Of Online Teaching, Learning & Health Outcomes During The Pandemic
- To study the prevalence of abnormal eating behaviors and the impact of social media on undergraduate medical students of Mumbai.
- Covid-19 vaccine hesitancy for children in parents :A Cross-sectional study among healthcare professionals in India
- Mental health and psychosocial support to the families and patients of covid -19 during Covid -19 outbreak in collaboration with UNICEF, Maharashtra.
- Study of stress, anxiety, depression and quality of life among parents of children with Intellectual disability.
- A cross-sectional comparative study of psychopathology ,quality of life and burden in caregivers of patient of alcohol use disorders and other substance use disorders.
- Study to determine prevalence, causes and consequences of screen overuse & its addictions in Mumbai & its environs.
- Study of Knowledge, Attitude & current Practices (KAP) among parents, teachers, medical professionals & digital service provider regarding screen overuse & its addiction in children & young adults.
- Study of outcome of OST in patients suffering from opioid use disorder-a cross sectional study.
- Study of suicidality, clinical profile and quality of life in patients of early onset schizophrenia
- Attitude towards psychological help seeking among MBBS students.
- Study of clinical profile, coping skills and social support in patients with post psychotic depression in schizophrenia
- Study of factors affecting functioning in patient with major depressive disorder in remission.
- Study of pattern of digital addiction in preadolescent children with psychiatric illness.
- To study the prevalence of abnormal eating behaviors and the impact of social media on undergraduate medical students of Mumbai.

- Experiences and Knowledge of Caregivers of Schizophrenia Patients: A Qualitative Study.
- A Cross-Sectional Study of Sexual Dysfunction, Depression and Marital Adjustment in Diabetic Male Patients
- Psychiatric Morbidity, Risk Taking Behavior and Social Support in Urban Men Having Sex with Men - A Cross-Sectional Study in Mumbai
- A qualitative study on understanding sexuality, sexual functioning and marital relationships in women with schizophrenia.
- A cross sectional study of depression, self-esteem, body image disturbances and quality of life in psoriasis. Neena Sawant, Sharad More
- Cross-sectional study of depression, perceived stress, self-esteem and sleep quality among women with infertility.
- To study demographics profiles, perceived stigma and social problems in patients of opioid use disorder.
- A cross sectional study childhood traumatic experience, post traumatic stress disorders in patient of opioid use disorder.
- The cross sectional study of impact of nicotine dependence on psychopathology, quality of life and cognitive impairment in schizophrenia.
- A cross sectional study of covid stress, psychopathology and quality of life of patients visiting the general OPD of a tertiary care hospital.
- A Cross sectional Study of effect of psycho-education on expressed emotions and burden of care on the caregivers of patients with schizophrenia.

### **Pulmonology Medicine**

- AI tool for TB: ICMR
- Mucormycosis in COVID-19
- National Environmental Health Profile: 20 City Multi-sites Study
- Ministry of Environment, Forest and Climate Change has initiated a 'National Environmental Health Profile' study in 20 cities of the country with an aim to make an assessment of impact on human health associated with environmental exposures. The objectives of this study are to generate evidence through systematic review/meta-analysis using available studies, to compare the level of air pollution, health outcomes across twenty cities in the country, to determine the effects of air pollution on health outcomes, and to generate a model to predict the health outcomes attributable to air pollution. The sample size of the study is approximately 4000 and duration of the study is 3 years.
- A clinical study to assess the effect of 'Omkar therapy' in patients with persistent mild to moderate bronchial asthma on pulmonary function and on social & interpersonal interactions has been undertaken. The objective of study is to assess the effectiveness of Omkar Meditation in improving the FEV1 values in patients with persistent mild to moderate bronchial asthma and to assess the effectiveness of Omkar meditation in improving social & interpersonal interactions in patients with persistent mild to moderate bronchial asthma. The total duration for the individual patient will be once a week for 12 weeks with duration of the study being 6 months.
- "Multi-centric with Ministry of Environment, Forest and Climate Change for the project "National Environmental Health Profile: 20 City Multi-Site Study"
- Retrospective study of Hematological changes in patients with tuberculosis.
- Retrospective study of Asthma in Obese people.
- Retrospective study of pulmonary function test in patients with chronic kidney disease.
- Retrospective study of Pulmonary Function Test in people with Obstructive Sleep Apnea.
- Retrospective clinico-radio analysis of patients admitted with acute exacerbation of ILD in a tertiary health care centre.
- The retrospective study of pulmonary function test in bronchiectasis.
- Prevalence of pulmonary hypertension in patients with acute exacerbation of chronic obstructive pulmonary disease-retrospective study.
- Assessment of reversibility in chronic obstructive pulmonary disease with pulmonary function test.
- Omkar Study
- Genetics in Interstitial lung study
- Multi-centric with Ministry of Environment, Forest and Climate Change for the project "National Environmental Health Profile: 20 City Multi-Site Study"
- Retrospective study of profile of lung functions in people exposed to biomass fuel attending tertiary care hospital.
- A retrospective assessment of proportion of cases of pre-diabetes and diabetes in microbiologically proven pulmonary tuberculosis.

- Retrospective study of lung functions in geriatric population more than 60 years attending tertiary care hospital.
- Retrospective study quantifying the sleep architecture in different grades of sleep apnoea according to AHI.

### **Radiology**

- Fluoroscopy and CT guided lumbar tunneled dialysis catheter as an alternative for hemodialysis access failure in a case of autosomal dominant polycystic disease
- Role of B-scan and Color Doppler Imaging in patients of Rhinocerebral mucormycosis for detection of CRAO and panophthalmitis
- Role of ultrasound in MALS
- Role of CEUS in Vesico-ureteric reflux
- Poster presentation at RSNA on 'Ultrasound findings in Partial Androgen Insensitivity Syndrome'
- Congenital Intrahepatic Portosystemic Shunts With Anorectal Malformation And Cardiac anomaly

### **Surgical Gastroenterology**

- Study Of Functional And Morphological Changes In Liver In operated Cases Of obstructive Jaundice
- Management of Ca Gall Bladder
- Mapping of Lymph Nodes in case of Colonic Malignancy
- Quality Of Life after Freys Procedure for Chronic Pancreatitis
- Impact of Pancreatic thickness on Pancreatic Anastomosis
- Lymph Node Mapping in Colonic Malignancy
- Outcome of Gall Bladder Malignancy

### **Transfusion Medicine**

- "The study of clinical and Immunohematological profile in patients of autoimmune hemolytic anaemia.
- "A study of effect of Therapeutic plasma exchange on biochemical parameters in a patients at tertiary care hospital.
- A study of red cell antibody profile in patients of covid-19 in a tertiary care center
- Rare Donor Panel Registry in Maharashtra with NIIH at incoming 4 centres in K.E.M, Kolkata Medical College, PGI Chandigarh, JIPMER Pondicherry,
- "A study of assessment of adverse donor reactions in single donor plateletpheresis procedure at a Tertiary Care Centre."
- "An assessment of effect of plateletpheresis on Hematological and Biochemical parameters in the repeat platelet donors at a tertiary care hospital."

### **Urology**

- Outcome of dorsal buccal mucosal graft urethroplasty in female urethral strictures
- Study to assess super- added calculi over retained ureteral stents
- Study of natural history, clinical presentation, modes of management and role of tacrolimus in stricture urethra with BXO
- Study of radiation cystitis in Indian population
- Renal transplant pre and post op evaluation
- Study of mt DNA mutations in bladder cancer
- To evaluate Osteopontin as predictor of stone formation by its quantification in the urine of healthy volunteer and stone forming patient
- In vitro and in vivo functions of cell surface estrogen receptors in prostate cancer
- Mutations in ca bladder - a retrospective pilot study
- PSP94 as an adjunct marker for serum PSA
- Prevalence of LUTS and PVR in ambulatory relatives aged 45 years and above visiting hospital
- To speculate nomograms of pediatric UFR
- Dr Sujata Patwardhan as Chief coordinator in Collaborative study conducted by USI – national Audit for surgical management of BEP



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# In the Limelight

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# In the Limelight

## Anaesthesia

- The Department has trained Medical & Paramedical Persons throughout the year



## Biochemistry



## Cardiology

- State-of-the art 2D ECHO machine (VIVID iq)



## Community Medicine

1. Dr. Rujuta Hadaye
  - o Health Talk on All India Radio: Marathi
  - o Corona Vrutta Vishesh: Talk on corona on 23rd Feb 2021
  - o Interviewed on Arogyam dhansapada: Topic: Immunization on 15th May 2021
  - o Corona Vrutta Vishesh: Talk on corona: cleanliness, disinfection, indoor and outdoor precaution on 16th September 2021
2. Dr. Mridula Solanki- Health Talk on Cancers in women in December 2021 for female jail Inmates of Byculla Jail.
3. Talk on Doordarshan Sahyadri on World Immunisation week on 29/4/2021 by Dr. Sujata Lavangare, Associate Professor.
4. Talk on Doordarshan All India Radio on Monsoon related Illnesses and COVID-19 on 18/05/2021 by Dr. Deepika Sadawarte, Assistant Professor.
5. Awareness sessions on COVID-19 Vaccination for Lactating female Police employees by Dr. Rupali Sabale, Assistant Professor and Dr. Deepika Sadawarte, Assistant Professor on 11/06/2021.
6. Awareness posters in campus-Patient Education Cell
  - Breast Feeding Awareness Week-17/08/2021



Health Talk on Breast Feeding given by Dr. Mridula Solanki and Dr. Sujata Lavangare to the students undergoing CHV Training at Sakwar



Diabetes Day Awareness Programme



- World Health Day celebration at PHC Khadavli
- Health awareness session for youth and adults



- World Health Day celebration at PHC Khadavli



- YUVA NGO Visit: Orientation program : Health awareness session for youth and adults conducted at Gate no. 6, Rathodi gaon



- Dr Mridula Solanki, Dr Sujata Lavangare, Dr Mayuri & Dr Rosna with Anganwadi staff



### Dentistry

- Dr Prasad Bhange gave an interview to radio channel highlighting the use of implants in dentistry.
- Inauguration of the fully renovated department



### Dermatology

Leprosy awareness programme



Patient education on Vitiligo day

- Leprosy awareness programme



Chest Medicine



पुणे : डॉक्टर, परिचारीका यांचा महामारी विज्ञानी वैद्यकीय संस्था ह्याने सन्मान करण्यात आला.

## केईएम रुग्णालयात स्त्रीशक्तीचा सन्मान

समाचार वृत्तसेवा

पुणे, ज. १४ ।  
 महामारी विज्ञानी वैद्यकीय संस्था ह्याने सन्मान करण्यात आला. सन्मानार्थी डॉक्टर, परिचारीका यांच्या महामारी विज्ञानी वैद्यकीय संस्था ह्याने सन्मान करण्यात आला. सन्मानार्थी डॉक्टर, परिचारीका यांच्या महामारी विज्ञानी वैद्यकीय संस्था ह्याने सन्मान करण्यात आला. सन्मानार्थी डॉक्टर, परिचारीका यांच्या महामारी विज्ञानी वैद्यकीय संस्था ह्याने सन्मान करण्यात आला.

डॉक्टर, परिचारीका यांचा महामारी विज्ञानी वैद्यकीय संस्था ह्याने सन्मान करण्यात आला. सन्मानार्थी डॉक्टर, परिचारीका यांच्या महामारी विज्ञानी वैद्यकीय संस्था ह्याने सन्मान करण्यात आला.

विभागाच्या अध्यक्ष डॉ. शिल्पा राय, कार्यवाही व सार्वजनिक व सल्ला विभागाच्या डॉ. अर्पिता अहिर, मान-सह-सहाय्यक डॉ. विभागाच्या डॉ. हेला पाण्डुरंग, सुरुवातीपासून विभागाच्या महामारी विज्ञानी वैद्यकीय संस्था ह्याने सन्मान करण्यात आला, जीवनी विभागाच्या

विभागाच्या महामारी विज्ञानी वैद्यकीय संस्था ह्याने सन्मान करण्यात आला. सन्मानार्थी डॉक्टर, परिचारीका यांच्या महामारी विज्ञानी वैद्यकीय संस्था ह्याने सन्मान करण्यात आला. सन्मानार्थी डॉक्टर, परिचारीका यांच्या महामारी विज्ञानी वैद्यकीय संस्था ह्याने सन्मान करण्यात आला.

## ENT



## Medicine

**Dr. Santosh Salagre:**

Public awareness during pandemic through Doordarshan /Short films

- Dr Santosh Salagre was invited by Doordarshan Sahyadri channel for the live interview on Hospital Management in preparation for Covid 19 pandemic on 29th May 2020.
- Dr Santosh Salagre led the teams to create short films in Marathi, Hindi and English on the Covid facilities at institution created by Faye D'Souza (20th May 2020), Doordarshan (13th June 2020) and Delta System (24th September 2020)

**Dr Smrati Tiwari :**

1. Speaker on radio mirchi for awareness of public on covid pandemic
2. BBC world, BBC Marathi and BBC English coverage on role of KEM hospital and management of Covid in Covid ICU and sharing personal experience on same

**Dr. Nitin Sarate:**

1. Guest speaker at National Television Doordarshan in Arogyasampada show on topic –Iron Deficiency Anemia in Pregnancy

## Microbiology



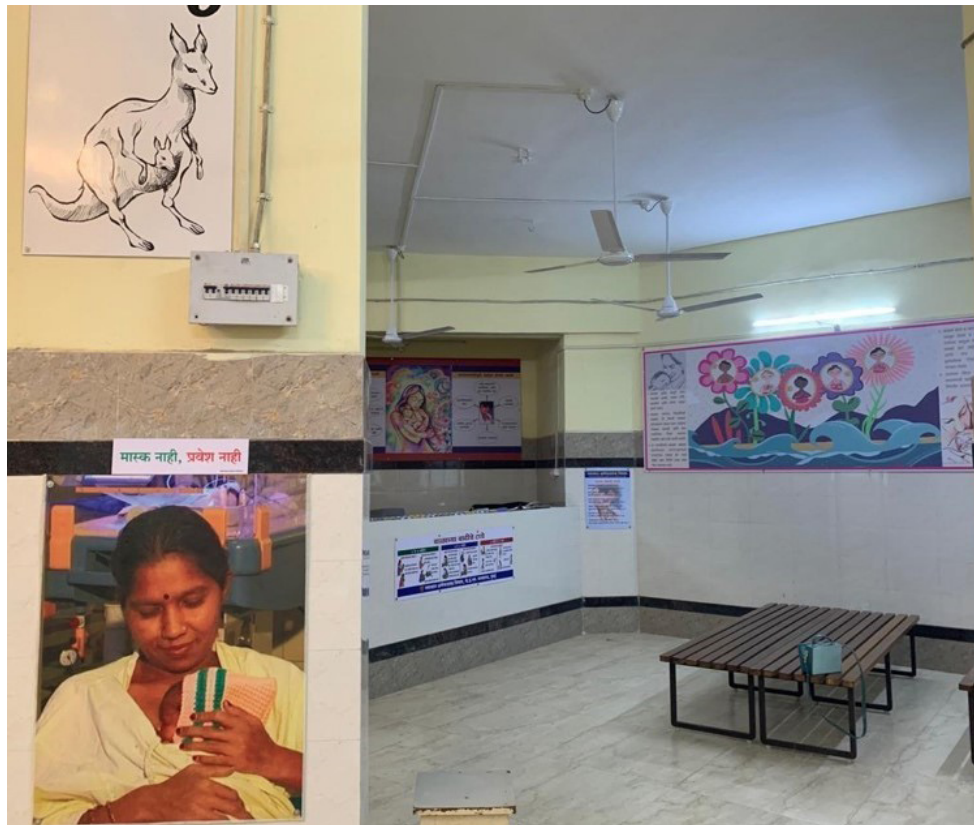
KEM/MICROBIOLOGY/DHR/ICMR/VRDL





## Neonatology

- Renovation of Kangaroo mther care OPD



- Dr. Ruchi Nanavati: delivered the most prestigious Dr S. M. Merchant's oration during EMBICON 2021 in November 2021.



### Nephrology

- Dr Divya Bajpai was awarded achiever's award for contributions in digital nephrology and online education by the Hon'ble Lt. Governor of Telangana and Puducherry, Dr Tamilsai Soundarjan on 9th Dec 2021.
- Dr Divya Bajpai was awarded Dr Harsha Salkar Oration on 6th February 2021.

### Neurology

- Talk about newer antiepileptics Parampanel ( Online CME) 11 June 2021 ( Held in Japan).
- Talk about newer antiepileptics : Clobazam ( Asian and Oceanian Epilepsy Congress) 12 June 2021 ( International Platform Presentation).
- Platform presentation in World Congress of Neurology 2021.
- Platform presentation in World Epilepsy Congress - ILAE 2021
- Inauguration of memory Clinic By Honourable Additional municipal commissioner of municipal corporation of greater Mumbai Shri. Suresh Kakani Sir on 21 sept 2021





## Neurosurgery

- First Endoscopic Pituitary adenoma excision, Dr Survender Rai and Prof Aadil Chagla with the Neuro Team



## Occupational Therapy

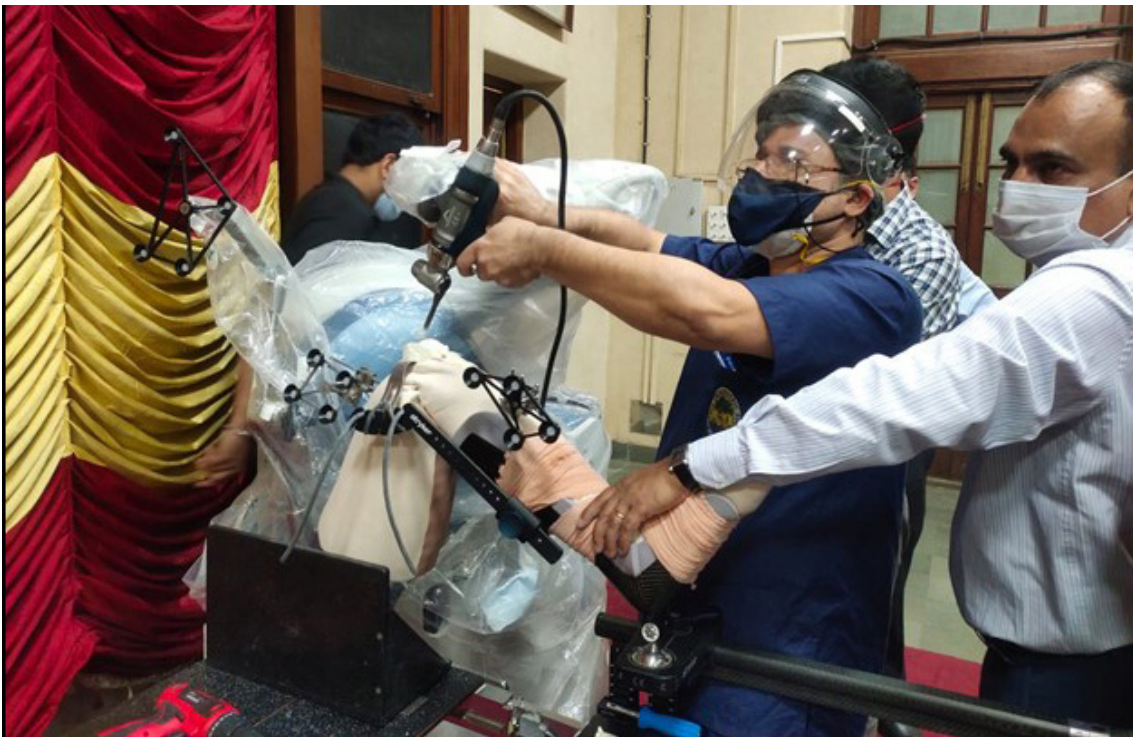
- On account of 71st Establishment Day of Occupational Therapy School & Training Centre, Seth GSMC & KEMH, a webinar titled 'WELLWOMAN', was conducted by Dr. Sanika Gawade, Dr. Pradnya Bhovad, Dr. Padmaja Samant and Dr. Mugdha Wagh Shaan.





## Orthopedics

- Bone demo on robotic knee - 1st & 2nd November 2021





- Department has started UG orthopaedics Quiz.

### Paediatrics

- Dr. Mamta Muranjan: Video interview on “Demystifying Disabilities” for Ekansh trust, Pune, an NGO working with persons with disabilities.
- Dr. Mamta Muranjan: Mention in newspaper article on KEM hospital ‘Center of Excellence’ for rare diseases in Sakal, Mumbai edition dated 29th May 2021.

## Pathology



Greetin 1600 being used for IL6, D-dimer estimation for Covid19 patients

## Pharmacology

**PHARMASTEER 2021** | **ORIENTATION PROGRAM FOR POSTGRADUATE MEDICAL STUDENTS** | **2021** | December 11<sup>th</sup> | Saturday from 2.00 pm - 5.15 pm | **MEDIATE** | **AstraZeneca**

### LIVE Faculty Interaction

**Mr. Hisham Farouk Ahmed**  
**Dr. Aleksandr Bedenkov**  
**Dr. Larisa Ramirez Gutierrez**  
**Dr. Suparna Chatterjee**  
**Dr. Apeksha Bhandary**

**Student**

**PHARMASTEER 2021** | **MEDIATE** | **AstraZeneca**

## Physiotherapy

श्वासोच्छ्वास सुधारण्यास मदत; रोज किमान 45 मिनिटे व्यायाम आवश्यक

# पोस्ट कोव्हिडमध्ये फिजिओथेरेपी महत्त्वाची उपचारपद्धती

भाग्यश्री भुवड : सकल वृत्तसेवा

मुंबई, ता. १७ : श्वास घेण्यास त्रास होणे हे कोरोनाच्या अनेक लक्षणांपैकी एक प्रमुख लक्षण आहे. ज्या वेळी फुफ्फुस योग्य प्रकारे कार्य करत नाही, त्या वेळी विविध उपचार केले जातात. त्यापैकी महत्त्वाची उपचारपद्धती म्हणजे 'चेस्ट फिजिओथेरेपी' होय. पोस्टकोव्हिड रुग्णांमध्ये फिजिओथेरेपी हा उत्तम उपचार असून रुंदवाने त्याकडे लक्ष दिले जात नाही. बरेच दिवस आयसीयमध्ये राहिल्याने स्टेरॉइड्स, ऑक्सिजन दिल्या गेलेल्या रुग्णांच्या फुफ्फुसांचे कार्य सुरळीत होण्यास किमान ८ ते १२ आठवडे लागतात.



त्यामुळे दररोज किमान ४५ मिनिटे स्वसनाचे व्यायाम करण्याचे आवाहन केईएफ रुग्णालयाच्या फिजिओथेरेपी विभागाच्या सहयोगी प्राध्यापक मारिया जिंदानी यानी केले. फिजिओथेरेपीमध्ये रुग्णांच्या ऑक्सिजनची पातळी आणि श्वास घेण्यात येणाऱ्या अडचणी फिजिओथेरेपिस्ट संपवून घेतात. कोव्हिड झालेल्या व्यक्तीची ४० दिवस ते चार महिने काळजी घेणे

## फिजिओथेरेपीपूर्वीच्या तपासण्या

न्यूमोनिया ते गंभीर कोरोनासारख्या रुग्णांना चेस्ट फिजिओथेरेपी दिली जाते. श्वास घेण्यास त्रास होत असल्यास छातीच्या फिजिओथेरेपीची शिफारस केली जाते. डिस्पॉजिटिव्ह रुग्णाची व्यायामाची आणि फिजिओथेरेपीची क्षमता तपासली जाते. रुग्ण स्वतःची टॅन्डिल कामे करू शकतो का, सहा मिनिटे सलग किंवा किमान १०० मिनिटे चालू शकतो का, त्या वेळी ऑक्सिजनची पातळी कमी होते का हेही तपासले जाते. त्यानुसार व्यायामाची किती गरज आहे हे ठरवले जाते. तसेच ३० सेकंदात आठ वेळा खुर्चीवर उठण्या-बसण्याचा व्यायाम सांगितला जातो, अशी माहिती जिंदानी यानी दिली.

आवश्यक असल्याचे वैद्यकीय मुंबईतील अनेक कोव्हिड सेंटर्स आणि रुग्णालयांत डॉक्टरांनी रुग्णांच्या शरीरातील ऑक्सिजनचे प्रमाण तपासून फिजिओथेरेपिस्ट रुग्णांना डिस्पॉजिटिव्ह मदत करतात. वाढवण्यास मदत केली जाते.

फुफ्फुसाची कार्यक्षमता वाढवण्यासाठी फिजिओथेरेपी खूप महत्त्वाची ठरते. स्नायू, श्वास, हृदय आणि फुफ्फुस या सर्व अवयवांवर लक्ष ठेवले जाते. रुग्ण घरी गेल्यानंतरही ऑक्सिजनची पातळी मोजणे तसेच श्वसनासंबंधीचे व्यायाम सांगितले जातात. रुग्णांना दिवसभराचे वेळापत्रक तयार करून दिले जाते. श्वासाच्या पद्धतीमध्ये बदल केला जातो. थेराप्युटिक्स, इलास्टिक बँड्स वापरून व्यायाम सांगितला जातो.

- मारिया जिंदानी, सहयोगी प्राध्यापक, फिजिओथेरेपी विभाग, केईएफ रुग्णालय

दररोज सातआठ

रुग्णांवर उपचार

सुट्ट आरोग्यासाठी किमान १० मिनिटे चाललेच पाहिजे. पोस्ट कोव्हिड रुग्णांनाही स्नायूची ताकद वाढवण्यासाठीही वेगळे व्यायाम प्रकार सांगितले जातात. काही वेळ श्वास रोखून ठेवण्यामुळे श्वासोच्छ्वासाची कार्यक्षमता वाढवण्यासाठी मदत होते. आठवड्यातून दोनदा असणाऱ्या पोस्ट कोव्हिड औपीडीत दिवसाला किमान सात ते आठ नवे रुग्ण असतात किंवा अनेकदा पाठपुराव्याचेही रुग्ण असतात. असे आठवड्यात किमान ४८ रुग्ण वेगवेगळ्या थेरेपीसाठी येतात.

- Rehabilitation of Vascular amputation and Neurologic dysfunction



## Plastic Surgery







ताज्या

शहर ▾

देश

ग्लोबल

मनोरंजन

आणखी

## फायब्रोसिसची चिंता नको! आजार सावकाशपणे बरा होत असल्याचे वैद्यकीय तज्ज्ञांचे मत

Jan 19, 2021



By भाग्यश्री भुवड

पल्मनरी फायब्रोसिस हा सावकाश बरा होणारा आजार  
असल्याचा निष्कर्ष तज्ज्ञ डॉक्टरांनी मांडला आहे



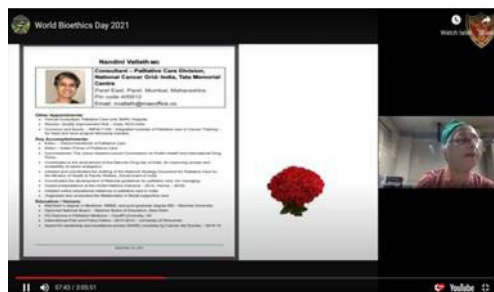
मुंबई: शरीरातील सर्वात महत्वाचा आणि सर्वाधिक मोठा अवयव म्हणजे फुफ्फुस. कोविडमध्ये सर्वाधिक जास्त परिणाम हा फुफ्फुसावर होत आहे. त्यासंबंधित अनेक विकार आता समोर आले आहेत. त्यातही पोस्ट कोविडमध्ये फुफ्फुसावर झालेला परिणाम हा सर्वाधिक आहे. त्यातही लोकांमध्ये फुफ्फुसाचा पल्मनरी फायब्रोसिस होण्याच्या घटनांमध्ये वाढ झाली असून अजूनही बरेच रुग्ण या आजारासह वेगवेगळ्या रुग्णालयात सुरु केलेल्या पोस्ट कोविड ओपीडीत येत आहेत. मात्र, फायब्रोसिस हा सावकाश बरा होणारा आजार असल्याचा निष्कर्ष तज्ज्ञ डॉक्टरांनी मांडला आहे. फुफ्फुसांमध्ये मिलियन्स वायुकोश असतात. मुंबईच्या केईएम रुग्णालयात गेल्या महिन्यापर्यंत फायब्रोसिस आणि इतर आजारांनी ग्रस्त असलेल्या 104 रुग्णांचा अभ्यास केला गेला. त्यातून हा आजार बरा होण्यासारखा आहे असे निदर्शनास आले

## Urology

- 3D Laparoscopic machine



## GSMC MUHS International Chair Bioethics Unit



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# Looking Ahead

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# Looking Ahead

## **Anaesthesia**

- OT Complex of Two Floors in the New Building
- Replacements of old equipments.
- 10 bedded AICU
- 10 bedded HDU
- State of art superspecialty operation theatres.
- Peri operative management of liver transplant surgeries.

## **Anatomy**

- Expanding the infrastructure to commensurate the increased number of students
- Modification, Promotion of virtual teaching and learning and assessment
- Air-conditioning and up gradation of Dissection Hall and Microanatomy Laboratory
- Collaboration with clinical departments to make virtual skills learning modules
- Procurement of virtual dissection table and/or dissection software to facilitate teaching learning process

## **Biochemistry**

- Project on New-born Screening in Clinical Laboratories
- Metabolic disorders in Clinical Laboratories
- Quality Assurance in Clinical Laboratories

## **Cardiology**

- A 24/7 program for emergency care of all heart attack patients: this state-of-the-art interventional therapy be available 24/7 within the golden period to all citizens of Mumbai, irrespective of their affordability.
- Transcatheter valve replacement clinic: KEM Hospital is the largest referral center for valvular heart disease (VHD) in the state of Maharashtra.
- Advanced Heart Failure and Arrhythmia Clinic: three – dimensional electro anatomical mapping and ablation of arrhythmias is the new standard of care for the interventional treatment of complex cardiac rhythm disorders.

## **Cardiovascular and Thoracic Anaesthesia**

- Improvement in academics and infrastructure of the department for better health care management and simultaneous education of young minds
- Procurement of proper place for the department.
- Equipment addition for better patient care: TEE machine, High end anesthesia workstation, Thromboelastography for blood management in the perioperative period.
- Involvement and establishment of Heart Failure program including
- ECMO, VAD, Heart Lung Transplant.

## **Cardiovascular and Thoracic surgery**

- ECMO program (extra corporeal life support)
- Minimally Invasive Cardiac Surgery (MICS)
- Hybrid Cardiac and Vascular Interventions

## **Clinical Pharmacology**

- Expansion of Pharmacogenetic services and reduction in turn around time with a RT PCR
- Expansion of the Pharmacovigilance network

**Dentistry**

- Plan to improve dental care in patients with haemophilia and other bleeding disorders.
- Dental care in medically compromised patients.
- Oral hygiene awareness in students of municipal schools in and around parel .
- Oral hygiene awareness in pregnant patients.
- Habit counselling in patients addicted to tobacco, paan and mawa chewing.
- Department is in the process of procuring OPG Machine (ORTHOPANTOMOGRAM) and the papers are with accounts department.
- Department plans to procure RVG (RADIOVIDEOGRAPHY) in near future

**Endocrinology**

- Diabetes services to be enhanced to curtail number of patients visits.
- Diabetes prevention programme
- Establish clinic for “Disorders of sexual development”
- Neuro Endocrinology clinic
- Thyroid Sonography
- Establish patient support group
- Establish Endocrine Oncology referral centre
- Establish regional referral centre for genetic diagnosis in endocrine disorders.
- Establish genotyping in patients with congenital adrenal hyperplasia
- Establish newborn screening programmers in congenital hypothyroidism and congenital adrenal hyperplasia
- Further research in pharmacogenetics in various endocrine disorders like Diabetes Mellitus Osteoporosis etc.
- Increasing number of national and international publications.
- Start a diabetes Educators programme for nursing staff/ Medical social worker
- Fellowships in Pediatric and Adolescent Endocrinology
- Reproductive Endocrinology

**ENT**

- To strengthen Neonatal Screening Services for hearing assesment.
- Applied for Rastriya Bal Swasthya Karyakram
- To Increase number of cases for Cochlear Implantation under Govt Approved ADIP scheme
- To get Modular Operation theatre for Cochlear Implant surgeries.
- To procure C- arm in order to use intraoperatively for Cochlear implant surgeries
- To develop Sialendoscopy surgery team in the department.
- To redevelop Temporal bone dissection lab.

**Forensic Medicine and Toxicology**

- Centre of Excellence for Virtual Autopsy
- Virtual Autopsy
- Forensic Odontology and Human Identification Laboratory
- One Stop Centre of Excellence for comprehensive care of survivors of sexual assault.
- Forensic Toxicology Laboratory
- Histopathology Laboratory
- Forensic psychiatry division

**Gastroenterology**

- Hepatology : Starting liver ICU and liver transplant program.
- Endoscopy : Starting enteroscopy, cholangioscopy and third space endoscopy services.
- Following educational activities will be started
- Hepatology fellowship for post DM / DNB gastroenterology candidates.
- Pediatric gastroenterology fellowship
- Fellowship in endoscopy

- Fellowship in motility disorders
- Fellowship for Endoscopy technician

### **Hematology**

- To increase the bone marrow transplants.
- To have a dedicated Bone Marrow Transplant ward.
- To improve diagnostic facilities in department.

### **Microbiology**

- Rapid identification of microorganisms ( 10 minutes ) - MALDI-ToF
- Expanding the capacity of molecular testing

### **Neonatology**

- Up gradation of Human Milk Bank
- Kangaroo Mother Care ward

### **Nephrology**

- Establish dialysis unit in ward 10 for COVID positive patients.
- Expand CAPD programme specifically catering to patients with HIV/AIDS
- Establish a dedicated Paediatric Nephrology clinic
- To introduce certificate course in acute dialysis for dialysis nurses and technicians
- To expand the deceased donor renal transplantation programme
- To expand swap transplant programme
- To computerize the records of the department of nephrology

### **Neurology**

- Planning to start for Vagal Nerve Stimulation for Epilepsy Patients.
- Planned for Stroke Ward.
- Plan to start Deep Brain Stimulation for Parkinson's patients

### **Neurosurgery**

- Planned multi subspecialty heads with sub departments in Stroke, Epilepsy, Endoscopy and Spine
- Micro lab to improve hand eye coordination and dexterity to perform microneurosurgery

### **Nuclear Medicine**

- Starting PET/CT based investigations using Ga labeled radiopharmaceuticals
- Starting Lu-177 based therapies for neuroendocrine tumours
- Starting MD in Nuclear Medicine
- Starting MSc in Nuclear Medicine

### **Obstetrics and Gynaecology**

- Establishing Assisted Reproductive Techniques (ART) facilities.
- High Dependency unit (HDU) in labour ward.
- Endoscopic surgery OT is planned to be commissioned on a regular basis.
- Recovery room with monitoring facilities for Obstetric OT and Gynecology OT.

### **Occupational Therapy**

- Enhancing patient's experience of rehabilitation by use of the latest technology and evidence based protocols.
- To set up a Wheelchair path and training center for differently abled and also with facilities of disability evaluation, driving evaluation and visual rehabilitation.
- Expanding on an already piloted project of early intervention of high risk infants through telemedicine in rural parts of Maharashtra.

- encouraging ultra-early intervention of high risk babies through Neonatal Therapy through National Medical College Network.

### **Ophthalmology**

- Storage of Donated Cornea
- Lasik and Refractive Surgery
- Premium intraocular lens implantation

### **Orthopaedics**

- Early requirement of equipments
  1. Navigation system for spine and arthroplasty surgery.
  2. Intra operative O- arm.
  3. 3 advance arthroscopy system.
  4. Robotic set up in theatre complex.
- 5 year plan for department of Orthopaedics KEM Hospital.
  1. Modular operation theatre (8 theatre with HDU on the same floor complex – 4<sup>th</sup> floor)
  2. Expansion of Department area (6<sup>th</sup> floor) in view of MCI guidelines.
  3. Speciality OPD services in Orthopaedics OPD complex. (In arthroplasty, shoulder, Knee, paediatric orthopaedics, Spine, Joint preservation surgeries)
  4. Sports Medicine Center.
- Establishment of Paraplegic Rehabilitation Center
- Establishment of Dedicated Intensive Care Unit with Bed Capacity of 8 for Orthopaedics.
- Upgradation of Operative Rooms With Navigation, Neuromonitoring, Power Instruments and Cell Saver.

### **Paediatrics**

- Initiation of new Pediatric Gastroenterology OPD.
- Increase in teaching units from 3 to 4 at KEM Hospital.
- Initiation of Fellowship Program in Learning Disabilities.

### **Paediatric Surgery**

- Plan to start comprehensive Paediatric Endourology Setup.
- Dedicated Pediatric urology clinic
- Start robotic laparoscopic surgery

### **Pathology**

- Acquisition of Laboratory information management system for improving laboratory functioning and offer better patient services
- Upgradation of Surgical Pathology with grossing station and expansion of IHC panel
- Continuing upgradation of hematology automation.
- Modernization of museum.

### **Pharmacology and Therapeutics**

- Various research projects are being planned under the ICMR-RUMC task force project

### **Physiology**

- PROPOSED PLAN FOR PATIENT SERVICES:
  1. Assessment of physical fitness
  2. Offering exercise prescription for cardiorespiratory endurance
  3. YOGA for wellness
  4. Lifestyle modification counselling services
  5. Intraoperative nerve conduction studies



- PROPOSED ACADEMIC TRAINING FOR FACULTY:

1. Nerve conduction studies
2. Electromyography
3. Polysomnography

- RESEARCH LABS:

1. Exercise Physiology Laboratory
2. Neurophysiology Laboratory
3. Sleep Laboratory

### **Physiotherapy**

- PROCURING multi station gym, treadmill, portable PFT, maximum inspiratory pressure measure, portable oxygen concentrator, Ergo-spirometer, Balance master and EMG biofeedback
- Modernization and digitalization of lecture rooms with good connectivity.
- DEVELOPING A WELL-EQUIPPED LABORATORY FOR GOOD QUALITY RESEARCH.

### **Plastic Surgery**

- For the future – upgrade burn services to have a burn ward for male patients

#### **NEW SERVICES TO BE STARTED**

- Will start project for burn prevention along with other groups across the world (grant from UK once approved).

### **Psychiatry**

- Project – Drug Treatment Centre (DTC) Scheme, Treatment of Substance Use Disorders in India by MOHFW
- Psychosocial support cell helpline for people affected with COVID-19, their families daily care workers.

### **Pulmonology Medicine**

- NAAC accreditation of department and labs.
- Research - To develop breath analysis as non-invasive diagnostic modality.
- National environmental Lung Health Institute transdisciplinary translational approach to lung health.
- Establishment of genetic Lab (molecular diagnostic)
- Interventional pulmonology suite
- Establishment of Chair for interventional bronchology.
- Research - genetics of ILD.

### **Surgical Gastroenterology**

- To strengthen our Liver Transplant and Bariatric/ Metabolic Surgery Program.
- Education
- To start Telemedicine Clinics with links with other GI surgery Departments in India.
- To collaborate with AIIMS, and ICMR in the upcoming research projects.
- To start Robotic Surgery
- Plan to provide more facilities for the patients and patients relatives.

### **Transfusion Medicine**

- Full automation in ELISA testing
- Full automation in Component Separation and Extraction.
- Full Automation and grouping and crossmatching to continue
- Computerization in Blood Bank
- To continue implementation of Haemovigilance programme of India constituted by National Institute of Biologicals, Ministry of Health & Family Welfare, Govt. of India and upload all the Donor Adverse Reactions and Transfusion Reactions in the website

## **Urology**

Robotic system to boost Minimal Invasive Surgery programme in Dept of Urology, KEMH.

- Cadaver Lab Workshop Jan 2022
- Laparoscopic Workshop, March -2022
- Formation of Kem Urology Alumni Association
- Establishment of Cadaver Lab to Train Surgeons in Renal and Liver Transplant Along with Complex Reconstructive Surgeries
- Procurement of Flexible Ureterorenoscope to Enable Better Management of Patients of Renal Calculi
- Completion of nationwide Audit of BEP and being part of further collaborative national audits.

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# Committees, Societies, Services and Publications

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# Committees, Societies, Services and Publications

## Academic Committee

The Academic Committee of the institute meets under chairmanship of the head of the institute to discuss the issues arising in the local educational scenario and to take policy decisions for the transaction of the curriculum. The members of this committee are from the different disciplines. The current composition of the Academic Committee is as follows:

- Dr. Hemant Deshmukh, Dean & Chairperson, GSMC & KEMH
- Dr. Milind Nadkar, Academic Dean
- Dr. D.N. Shenvi, Member Secretary

During these meetings, the members deliberated upon the following points & the necessary actions were taken.

- They were for protocol of COVID pandemic
- Academic classes conduction after lockdown

## Department Development Fund

The following activities are carried out by the trust:

### *Patient Care*

The trust is set up to aid & support growth of scientific research in and development and efficient running of various departments with an ultimate goal to augment of patient care facilities in K. E. M. Hospital with up-to date and modern equipments & instruments and to attend to and take of the patients.

### *Education*

Following educational activities were undertaken by the respective departments through DDF.

- a. Clinical Pharmacology: Canvas of Workshop from 1<sup>st</sup> to 5<sup>th</sup> March 2021.
- b. Orthopedics: PG Training Course from 5<sup>th</sup> to 7<sup>th</sup> March 2021.
- c. Endocrinology: CME for Physicians on 11<sup>th</sup> April 2021.
- d. Hematology: Two Virtual case conferences on Hemophilia on 17<sup>th</sup> April 2021 and 1<sup>st</sup> May 2021.
- e. Bio-chemistry: Clinical Laboratory Practices workshop on 3<sup>rd</sup> to 5<sup>th</sup> August 2021.
- f. Endocrinology: CMEs on 25<sup>th</sup> July 2021.
- g. Endocrinology: CMEs for Physicians on 24<sup>th</sup> October 2021.
- h. Endocrinology: CMEs for Physicians on 21<sup>st</sup> November 2021.

### *Research:*

- A. Trust has received donations for 21 research projects.

### *Awards:*

Dr. Nina Dahejia Prize: Interns of G. S. Medical College

Dr. L. H. Hiranandani Prize: 3<sup>rd</sup> M.B.B.S Student (ENT)

Dr. Geeta Rao Memorial Prize: MS (Surgery)

Dr. V. H. Muzumdar: Final MBBS students (Ophthalmology), MD Obst & Gynecology.

Dr. G. S. Ambardekar: MD (Anesthesia) & Diploma in Anesthesia

Silver Jubilee: Occupational Therapy

Dr. V. G. Rao: PSM for 1<sup>st</sup> & 2<sup>nd</sup> highest the final MBBS Exam.

Pandurangi Award: Orthopedic –Best Resident.

### *Donation given*

- a. Contribution to renewal of Remotex software of Rs.32,634/- through DDF General Fund.
- b. Rs.75,000/- for printing and publication of KEM annual report through DDF General Fund.

Sr. No	Name	Income Donation/Grants
1.	Patient Care	--
2.	Research	87,62,367.76
3.	Training Programs/workshop	4,26,700.00
4.	Awards	8,480.00

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**Department of Medical Education**

Department of Medical Education has been recognized by NMC as GSMC-KEMH-NMC Nodal Centre to conduct the revised basic and advance courses in MET. It is also recognized by FAIMER, Philadelphia as a Centre for its Regional Institute (GSMC-FAIMER Regional Institute).

- Courses conducted
  - “16th Revised Basic Course Workshop for Teaching faculty, Tutors/Contract-Temporary faculty “ was conducted by the GSMC- KEMH-NMC Nodal Centre from 23rd – 25th February 2021 for Teaching Faculty Tutors/Contract-Temporary Faculty  
A total of 30 participants registered. Professor & Head – 02, Professor (Addl.) – 06, Associate Professor – 07, Assistant Professor – 15
  - “17th Revised Basic Course Workshop for Teaching faculty, Tutors/Contract-Temporary faculty “ was conducted by the GSMC- KEMH-NMC Nodal Centre from 13th – 15th July 2021.  
A total of 30 participants registered. Professor & Head – 02, Professor (Addl.) – 05, Associate Professor – 05, Assistant Professor – 18
  - **11th NMC (National Medical Commission) Advance Course in Medical Education :**The “Eleventh NMC Advance Course in Medical Education Technology” was conducted by the GSMC- KEMH-NMC Nodal Centre from 3<sup>rd</sup> May 2021 to 6<sup>th</sup> May 2021.  
A total of 30 participants had registered for the course. Of these, 6 were from Mumbai, 3 from Navi Mumbai, 10 from Pune, 3 from Nashik, 1 from Solapur, 2 from Palghar, and 2 from Dhule, 2 from Kolhapur, and 1 from Aurangabad: Professor (Additional) – 2, Professor & Head – 5, Professor – 6, Associate Professor – 13, Assistant Professor – 4
  - **12<sup>th</sup> NMC (National Medical Commission) Advance Course in Medical Education :**The “Twelfth NMC Advance Course in Medical Education Technology” was conducted by the GSMC- KEMH-NMC Nodal Centre from 8th November 2021 to 15th November 2021. There were two batches in 12<sup>th</sup> NMC Advance Course: the old one of 2020 B batch and the newly joined 2021 B.
- Faculty of Seth GS Medical College undergoing NMC Advance Course in MET at GSMC-KEMH NMC Nodal Centre:
  1. Dr. Mahesh Belhekar, Associate Professor, Department of Clinical Pharmacology.
  2. Dr. Mandar Sharadchandra Koranne, Assistant Professor, Department of General Surgery.
  3. Dr. Kranti Sorte Gawali, Associate Professor, Department of Biochemistry
- Revised Basic Courses workshops conducted at the institutions affiliated to the GSMC KEMH NMC Nodal Centre with Observers from our Institute.

Sr. No.	Name of Institute	Dates
1.	B. K. L. Walawalkar Rural Medical College & Hospital, Sawarde, Dist - Ratnagiri	27 – 29 August 2021
2.	Namo Medical Education And Research Institute, Silvassa	10 - 12 Aug. 2021
3.	Rajiv Gandhi Medical College, Thane	21 – 23 September 2021
4.	Dr. D.Y. Patil Medical College, Nerul, Navi Mumbai	23-25 March 2021 24-26 March 2021
5.	Bharati Vidyapeeth (Deemed to be University) Medial College and Hospital, Sangli	1-3 September 2021
6.	GMERS Medical College, Valsad	5 – 7 October 2021
7.	Grant Government Medical College & Sir J J Hospital, Mumbai.	22 – 24 March 2021 26 -28 October 2021

Sr. No.	Name of Institute	Dates
8.	Rajashree Chhatrapati Shahu Maharaj Govt. Medical College, Kolhapur	28 -30 September 2021 15 -17 December 2021
9.	K. J. Somaiya Medical College, Mumbai	27- 29 July 2021
10.	D. Y. Patil Medical College, Kolhapur	26 -28 October 2021
11.	Government Medical College, Miraj	5 – 7 October 2021
12.	MGM Medical College, Kamothe, Navi Mumbai	23 -25 March 2021
13.	Prakash Institute of Medical Sciences, Islampur	18 – 20 March 2021
14.	TN Medical College & BYL Nair Hospital, Mumbai	6 – 8 October 2021
15.	HBT Medical College, Mumbai	24 – 26 August 2021
16.	LTM Medical College, Mumbai	3 -5 August 2021
17.	VEDANTAA Institute of Medical Sciences, Dahanu, Palghar	16 – 18 March 2021

- **GSMC FAIMER REGIONAL INSTITUTE - Under Department of Medical Education**

The 16<sup>th</sup> GSMC-FAIMER REGIONAL INSTITUTE was held ONLINE from 2nd April 2021 to 19th June 2021. Synchronous sessions were conducted on ZOOM and asynchronous sessions including assignments were conducted on Google classroom. The program was conducted two days in a week from 2<sup>nd</sup> April 2021 to 19<sup>th</sup> June 2021.

The following sessions were conducted by faculty from GSMC with co-faculty from other institutions for some of the sessions:

- Starting the Journey
- Group Dynamics
- FRI Learning
- Difficult conversations
- Introduction to Listserv
- MBTI
- Skills for change agent
- GTP -Assessment and Application: Reliability and validity
- Project Management and Evaluation (PME): Theory of Change, Outcomes, Evaluation Questions, Indicators, Planning Tools
- Educational Research: Introduction, Qualitative Research, How to do Survey
- Workplace based assessment
- Distance learning and Use of technology in learning: E learning, Moodle, listserv, blogs
- GTP Feedback
- ML Web Assignment
- Poster Session
- Sustaining Change and Planning for Future
- Mentoring Skills
- Abstract Writing II
- Professionalism
- Inter-professional Education
- Managing the monkey
- Education Research Tools
- Learning circles

There was an interactive poster session of 2019 and 2020 batches.

An online interactive workshop entitled, ‘Mixed Methods Research’ was conducted by Dr. Rashmi Vyas, International FAIMER Institute Philadelphia, on 2<sup>nd</sup> June 2021 for year 3 fellows and faculty

The program was well received by fellows and faculty alike as lots of innovative techniques for online facilitation were utilized.

- Dr. Praveen Iyer, Dr. Munira Hirkani, and Dr. Santosh Salagre attended 8 (Eight) online monthly DAFFRI (Directors and Faculty of FAIMER Regional Institutes) meetings from April 2021 to November 2021 organized by FAIMER Institute, Philadelphia.
- Dr. Praveen Iyer was selected for the two-year International FAIMER Institute (IFI) fellowship in medical education for 2021.

- Dr. Munira Hirvani, Dr. Santosh Salagre, Dr. Rashmi Patil, and Dr. Raakhi Tripathi are undergoing the pilot FAIMER COMPETENCY BASED EDUCATION (FACE) program organized by FAIMER Institute, Philadelphia.
- Workshop titled “Online open book examination” was organized by GSMC FAIMER Regional Institute and Department of Medical Education on the 8th of December 2021 for faculty and fellows. The guest faculty invited were Dr. Saurav Sarkar, Dr. Priyandarshini Mishra, Dr. Mukund Sable and Dr. Vinaykumar Hallur from AIIMS Bhubaneswar.
- **NCHPE 2021:** National Conference on Health Professions Education was held from 26<sup>th</sup> to 30<sup>th</sup> October 2021 at SGRD Institute of Medical Sciences and Research, Amritsar

Following members from Seth GS Medical College attended the conference ONLINE:

- Dr. Praveen B Iyer, Dr. Munira Hirvani, Dr. Rashmi Patil, Dr. Raakhi Tripathi  
Pre-conference workshops attended by faculty members at NCHPE included:
  - o Workplace Based Assessment
  - o Teaching and assessing soft skills
  - o Self-Directed Learning
  - o From Didactic to competency-based approach for large group teaching
  - o Academic leadership to foster curricular innovations and Institutional excellence
  - o Digital tools to improve learner’s engagement
  - o Using Qualitative research tools to assess reflections
- Dr. Rashmi Patil presented a poster titled “Challenges in Implementing Competency Based Medical Curriculum” and bagged 1st position in poster presentation
- Dr. Rashmi Patil attended **BMSeCON21:** 2nd international conference on “Exploring the Newer Modalities in Teaching - Learning and Research in Basic Medical Sciences during COVID Era” by Aarupadai Veedu Medical College and Hospital, Puducherry from 25th -27th Nov 2021. She also judged poster presentation session.
- Dr. Praveen Iyer, Dr. Rashmi Patil and Dr. Anjali Telang attended the NATIONAL WEBINAR ON ‘Attainment of Quality Benchmarks in Medical Education: Responsibilities of a Health Institution from 3-4th Dec 2021.

#### *Publications*

- Hirvani M, Hegde G, Kamath R, Sonwane T, Angane E, Gajbhiye R. Strategies To Foster Group Cohesion In Online Learning Environments - Use Of Crossword And Hybrid Medical Pictionary. Adv Physiol Educ. 2021 Oct 21. doi: 10.1152/advan.00116.2021. Epub ahead of print. PMID: 34672804
- Blueprint Templates for Written Examination in Biochemistry in Competency-Based Undergraduate Medical Education (Owner) [Registration Number: L-105969/2021 dated 02/08/2021] under Copyright Office, Govt. of India
- Objective Structured Practical Examination Stations for Undergraduate Students’ In Biochemistry - An Objective And Reliable Tool For The Practical Examination
- Iyer PB. Blended programmatic assessment for competency-based curricula: Is it the way forward? J Postgrad Med. 2021 Jan-Mar;67(1):4-5. doi: 10.4103/jpgm.JPGM\_1378\_20. PMID: 33565470; PMCID: PMC8098881.
- Dr. P.S. Bhuiyan, Co-ordinator, Department of Medical Education
- Dr. Praveen B Iyer, Convenor, GSMC-KEMH, NMC Nodal Centre, Member of National Task Force of NMC, Implementation and monitoring of Competency based UG curriculum and upload of yearly time table on college website
- Dr. Munira Hirvani, Co-convenor & incharge RBCW & CISP GSMC-KEMH, NDL Nodal Centre, Treasurer, Academy of Health Professions Educators (AHPE)
- Dr. Santosh Salagre, Co-convenor, ACME, GSMC-KEMH, NMC Nodal Centre

#### **Diamond Jubilee Society Trust**

- The Seth GS Medical College and KEM Hospital, Diamond Jubilee Society Trust was established in 1989 with the following objectives:
  - A. To undertake scientific, social and statistical research in the field of health, medicine and applied sciences. Benefits arising out of results of the research undertaken by the trust would be extended to the poor and needy sector of the community, especially the slums dwellers and the working class in textile and other industries in Mumbai, catered by our public hospital as well as to the patient population at large.
  - B. To promote medical education and to continually offer opportunities of upgrading knowledge, skills in the context of innovations, research and discovery in all fields of health.
  - C. To provide medical relief and undertake development programmes in health services and upgrading health care facilities to various sectors of the society.



- The trust accepts donations to support the medical education and health facilities of Seth GS Medical College and KEM Hospital. Donations to the trust are exempted under section 80G of the Income Tax Act 1961. The FCRA, Govt. of India, Ministry of Home Affairs has given the permission to receive and utilize foreign contribution to Trust. The Trust has also been recognized as SIRO, by Department of Scientific and Industrial Research for years 2019 - 2022.
- **Managing Trustee:** Dr. Hemant Deshmukh, Dean, Seth GS Medical College & KEM Hospital  
**Hon.Secretary:** Dr. Rujuta Hadaye, **Hon.Treasurer:** Dr. Aparna Deshpande, **Trustees:** Dr. Sujata Patwardhan, Dr. Sandhya Kamat, Dr Vishnu Kanhere, Mr. Kishorekumar Mhatre, **Advisor:** Dr. RD Bapat, Dr. Lopa Mehta, Dr. Ravi Ramakantan

#### *Patient care*

- Patient education programs of Patient Education Cell were supported.
- A Donation of Rs. 134784/- was donated by ReSurge International towards needy patients of post burn contractures & provide financial help for reconstruction surgery for plastic surgery department.

#### *Medical education*

- The students who have excelled in their academic career were awarded prizes and scholarships by the trust. Funds for this purpose have been donated by the graduates, postgraduates and teachers of the institute.

Donations were accepted for the following activities undertaken for (undergraduate and postgraduate) students:

- MUHS approved Fellowship/Certificate courses by various departments
- Undergraduate Certificate Course in Clinical Research conducted by the Department of Clinical Pharmacology under the aegis of MUHS
- 'Pharma Quiz' for the undergraduate students conducted by the Department of Pharmacology and Therapeutics
- Cultural events organized by the undergraduate students like *Advait* (Marathi drama competition)

Donations were accepted for the following Faculty development programmes

1. 16<sup>th</sup> Revised Basic Course Workshop held on 23<sup>rd</sup> February 2021 To 25<sup>th</sup> February 2021 conducted by department of MET Cell
2. 11<sup>th</sup> Advance Course in Medical Education ( ACME) held on 3<sup>rd</sup> May to 6<sup>th</sup> May 2021 conducted by department of MET Cell
3. 17<sup>th</sup> Revised Basic Course Workshop held on 13<sup>th</sup> July 2021 To 15<sup>th</sup> July 2021 conducted by department of MET Cell
4. 12<sup>th</sup> Advance Course in Medical Education ( ACME) held on 8<sup>th</sup> November to 15<sup>th</sup> November 2021 conducted by department of MET Cell
5. 16<sup>th</sup> GSMC FAIMER Regional Institute program online held on 2<sup>nd</sup> April 2021 to 19<sup>th</sup> June 2021
6. KEM Orthopedic PG training course held on 5<sup>th</sup> March 7<sup>th</sup> March 2021 conducted by department of Orthopedics
7. PHARMATECH 2021 held on 4<sup>th</sup> August 2021 to 21<sup>st</sup> August 2021 conducted by department of Pharmacology & Therapeutics
8. AWR Cadaver Workshop held on 19<sup>th</sup> August 2021 conducted by department of Surgery
9. Observership Training Programs of FBNC at RCC, under NUHM held in March 2021 and November 2021 conducted by department of Neonatology.
10. CME 'Endoscopy Workshop' held on 10<sup>th</sup> December 2021 conducted by Department of Gastroenterology.

#### *Publication*

1. Annual Report of Seth GS Medical College & KEM Hospital-2021 was published under the aegis of Diamond Jubilee Society Trust.
2. Donations were also accepted for publication of manuals/ abstract books of courses, workshops and conferences conducted by the various departments.

#### *Work environment*

Diamond Jubilee Society Trust supports the following activities and their maintenance. It also tries to collect donations for the same.

- a. Website of the institute to propagate the activities of the institute and facilitate communication and interaction with other medical professionals
- b. Annual maintenance of indoor patient monitoring software in Registration OPD and MRO section
- c. Printing of certificates for Foundation Day
- d. Institutional activities and functions (ORACON)
- e. Maintenance of front lawn and garden in the KEM campus.
- f. Support for welfare activities of the institutional members (Women Development Committee)

- g. Support to develop Remotex software of the Institute
- h. Support to develop digitalization of the Institute
- i. Support for KEM EDU software renewal of the institute.

### **Dr. Manu VL Kothari chair & Division of medical humanities**

In view of the prevailing pandemic situation, a series of programs were conducted online.

- 6th Foundation Day Oration 23 January 2021 delivered by Dr. Dillip V. Jeste on “Wisdom , Gita & Neuroscience : Relevance to Humanities”
- Talk by Dr.Sunil Pandya to 1<sup>st</sup> year MBBS students on History of Medicine – 4<sup>th</sup> February 2021
- “Music for Joy and Therapy” online program on 20 February 2021
- Online program 6<sup>th</sup>March, 2021 “M. K. Gandhi: The artist of Non-violence” by eminent painter Atul Dodiya
- Online program 4<sup>th</sup> September, 2021- How to read a poem by Padmashree Awardee Mr Sitanshu Yashachandra
- ASCENSION - A Step Above – 2021-2<sup>nd</sup> October 2021 Panel Discussion \*Covid 19; an urgent call for clinical ethics committees in Indian hospitals’.
- ASCENSION - A Step Above – 2021 -3<sup>rd</sup> October 2021 Healthcare In India - Thinking Beyond Hospitals” by eminent speaker Dr.Yogesh Kalkonde
- ASCENSION - A Step Above – 2021 -9<sup>th</sup> October 2021-Interactive Session “ Impact of COVID 19 on Mental Health of Medical Students” by eminent speakers Dr Ajita Nayak, Dr Kranti Kadam and Dr Siddesh Dhere, Department of Psychiatry of Seth GSMC and KEMH,
- Manusmriti\*- An Annual Event Conducted In Loving Memory of \*Dr.Manu VI Kothari\* 16<sup>th</sup> October, 2021: oration delivered by Dr Milind V Kirtane on “Journey to the Miracle of Cochlear Implant”
- 30.10.2021 Discussion on “Poisons We Love” An Insight into Alcohol and Tobacco use by Dr Dharav Shah
- Rs.20000/- was given to confluence- Aegeus - The research quiz.
- Conducted Pre Ascension 4 online competitions. The I,II, III winners were as below:
  - o Painting – Sonia Gawali, Shikha Soni, Sonia Gawali
  - o Symphony – Manali Jagtap
  - o Blog writing – Darsita Jatakia, Apoorv Bansal
  - o Photography – Tejaswini Meshram, Rajani Prasad, Srushti Devgire

### **GOSUMEC Alumni Association**

**Objectives of the Society:** The aims and objectives of the Association shall be as under:

- A. To promote and advance medical and allied sciences in all their different branches and to promote public health and continuing medical education.
- B. To promote sports especially amongst the medical fraternity.

The office bearers and managing committee members of Gosumec Alumni Association for the year 2019-2022 are as follows:

#### **Office Bearers:**

President- Dr. Hemant Deshmukh. Vice President - Dr. Sharad Gogate & Dr. Sandhya Kamat

Hon. Secretaries - Dr. Ram Prabhoo & Dr. Gita Nataraj

Hon. Jt.Secretaries - Dr. Mohan Khembahvi & Dr. Dnyaneshwar Kurlle

Hon. Treasurer - Dr. Aparna Deshpande

Managing Committee members

Dr. Hetal Marfatia, Dr. Mridula Solanki, Dr. Nithya Gogtay, Dr. Ravindra Deokar, Dr. Nitin Dange, Dr. Shilpa Adarkar, Dr. Lopa Mehta, Dr. Malini Nadkarni, Dr. Nirmala Rege, Dr. Janak Shah, Dr. Pragji Vaja, Dr. Mahesh Abhyankar, Dr. Manjula Sarkar, Dr. Ajay Tilwe, Dr. Vaibhav Dedhia, Dr. Sunil Puntambekar & Dr. Meena Prabhoo.

#### *Activities*

In view of the prevailing pandemic situation, meetings were conducted online.

- Managing Committee meeting & AGBM was held online on 30/3/21
- Managing Committee approval was taken through email to sanction the proposals received by Gosumec Alumni Association on 12.10.2021 & 21.1.2021.
- Presently, the association has 5267 members. The period January 2020 to Dec 2020, saw an addition of 135 life members & 1 patron member.

### *Donations Received*

- Rs. 5 Lakh received from Anita Bharat Shah
- Rs. 297200/- received from Dr. Sharad Korgaonkar

Educational Activity: Scholarships given to open merit economically challenged students

- Dr. S Korgaonkar Scholarship was awarded to four students. ( Vijay Padule Rs. 79500/-, Aman Charniya Rs. 86600/-, Vinayak Godbole Rs.77500 and Chirag Agrawal Rs. 53600/-respectively.
- Dr. KT Gajjar scholarship- Rs. 60000/- each was awarded to four students Akshay Dhage, Aditya Patil, Bhagyashree Prabhu, Seema Mande .
- Dr. KT Gajjar financial assistance for needy students: Rs. 260000/- divided among 26 needy students.
- Dr. KT Gajjar Fellowship – Rs. 2.50 lakh awarded to Dr. Aditya Raj
- **Indira Foundation's Motivation for Excellence Scholarships.**

Full freeship awarded to the following students:

Rs. 141900/- Hema Chauhan – II MBBS, Rs. 73000/- Sakshi Jain – III/IIMBBS  
Rs. 79500/- each Sarita Manwatkar, Saniya Sardar & Omkar Shinde – III/I MBBS

Half freeship awarded to the following students:

Rs. 77100/- Rucha Palkritwar & Alisha A Sayyad- II MBBS  
Rs. 36500/- Ajinkya Gavhane, Krishna Borse, Mohit Singla & Atitosh Pandey- III/II MBBS  
Rs. 39750/- Vaibhav More – III/IMBBS

### *Prizes:*

Prizes were given to students won Pre Ascension Competition viz. Painting, Symphony, Blog writing & Photography from Dr. Manu VL Kothari chair & Division of medical humanities Fund.

### *Social Activities:*

- GAA spent Rs.24000/- towards Blood donation Camp which was organized at Thane railway station on 8.4.21. 122 blood donors donated blood.

### *Social and extracurricular activities:*

- Renewal of RemoteXs provided services to 1000 users of GSMC & KEMH. The contribution was shared by DDF, Research Society & DJST each giving Rs.32634/.
- Financial assistance to library computer operator& website assistant.
- Rs. 15000/- given for GOSUMAG magazine printing
- Rs. 75000/- has been sanctioned for printing & publication of the Annual report 2021

## **GSMC MUHS Internationalchair Bioethics Unit**

- 'Faculty Sensitization Programme' on BIOETHICS & AETCOM modules for
  - Department of Pharmacology, Pathology, Microbiology Seth GS Medical College & KEM Hospital, Mumbai.
  - Bharti Vidyapeeth, Sangli & Bharti Vidyapeeth, Pune Maharashtra
- 'GENDER IDENTITY - A Rights Based Approach' Symposium
  - Foundation course- Competency Based Medical education Bioethical aspects were covered by the GMU bioethics unit.
  - World Bioethics Day Celebration 2021- " Informed Consent"
  - Student Wing activities: Developing leadership and team management in student wing through conduct of various competitions and online activities.

### **FACULTY SENSITIZATION PROGRAMME ON BIOETHICS & AETCOM MODULES**

The introduction of AETCOM module in the CBME curriculum has necessitated that the faculty members training the students understand the scope, contents, resources, teaching learning (TL) methods including assessment of the AETCOM modules assigned to each phase of CBME curriculum.

The faculty sensitisation workshop for the faculty members of the Department of Pharmacology and Therapeutics, Department of Microbiology and Department of Pathology, Bhartiya Vidyapeeth Pune and Sangli was conducted by Unit members. Dr Kavita Tilwani& Dr Vivek Tilwani, medico legal experts were invited at Seth GSMC & KEMH to cover the legal aspects.

### **'GENDER IDENTITY - A RIGHTS BASED APPROACH' SYMPOSIUM**

A symposium titled 'Gender Identity - A Rights Based Approach' was conducted on 30<sup>th</sup> June 2021. The esteemed speakers for discussion were Dr. Sudha Rao, head of the department of Pediatric Endocrinology at Jerbai Wadia hospital

on 'Late Presentation of Disorders of Sexual Development and Gender Identity' :Mr. Mridul Dudeja on 'Rights Based Approach to the Needs of Sexual Diversities' and Dr. Vinita Puri, head of the department of Plastic Surgery, Seth GSMC & KEMH and Dr. Narendra Kaushik, Plastic Surgeon from New Delhi and alumnus of KEMH, about surgical interventions in the disorders of sexual development.

- **WORLD BIOETHICS DAY CELEBRATION 2021:**

The WBD 2021 was organized on Monday, 18<sup>th</sup> October 2021 from 1 pm to 4 pm .

The annual bulletin of the Bioethics Unit 'Inarch 2021' was released by Dr Urmila Thatte & Dr. Padmaja Samant.

The key note speaker, Dr Urmila Thatte, Professor Emeritus & Ex Head of the Department, Department of Clinical Pharmacology, Seth GSMC & KEMH shared her thoughts on 'Informed Consent in Research'. This was followed by Symposium on 'INFROMED CONSENT'. This session was moderated by Dr Padmaja Samant, Head of Steering Committee, GSMC MUHS International Chair Bioethics Unit.

The speakers were:

1. Dr Ruchi Nanavati: Topic "Ethical Issues & Consent in Beginning of Life" Professor & Head, Department of Neonatology, Seth GSMC & KEMH, Mumbai
2. Dr Henal Shah: Topic "Making Choices-A Rights Based Approach" Professor, Department of Psychiatry, TNMC & Nair Hospital, Mumbai
3. Dr Nandini Vallath: Topic "Approach to Shared Decision Making" Consultant, Pain Relief & Palliative Care

### **Institutional Animal Ethics Committee**

The Institutional Animal Ethics Committee (IAEC) of the Seth GS Medical College and KEM Hospital is approved by the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) for the purpose of 'Breeding and Research on animals' (Registration no.:60/PO/ReBi/S/99/CPCSEA) dated 11.05.2017 valid till May 2022. IAEC functions according to the guidelines laid down by the CPCSEA.

The internal members are appointed from institutional faculty members while four CPCSEA members are nominated on the IAEC by CPCSEA.

Sr. No.	Name	Position on IAEC	Department
1.	Dr. Sandhya Kamat	Chairperson	Pharmacology & Therapeutics
2.	Dr. Shruti Bhide	Member Secretary	Pharmacology & Therapeutics
3.	Dr. Amar Yerolkar	Veterinary officer in charge of animal facility	Pharmacology & Therapeutics
4.	Dr. Priyanka Prasad	Scientist from different biological discipline	Microbiology
5.	Dr. Anita Chalak	Biological Scientist	Biochemistry
6.	Dr. Rahul Thorat	CPCSEA Nominee	Scientific Officer D, ACTREC, Navi Mumbai
7.	Dr. Vinita Kulkarni	Link Nominee	Veterinary Doctor, Mahim Pet Clinic, Mumbai
8.	Dr. Sangram Chavan	Scientist from outside the institute	Department of Pharmacology and Toxicology, Bombay Veterinary College, Mumbai
9.	Mr. Sunish Kunju	Socially aware Member	Plants and animal welfare society Mumbai

No. of meetings held in 2021: 3

No. of new projects submitted and approved: 3

Ongoing projects: 12

Projects completed in 2021: 5

### **Institutional Ethics Committee (IEC) I, II & III**

Registration / Accreditation / Recognition	IEC-I	IEC-II	IEC-III
<b>Established on</b>	6 <sup>th</sup> January, 1987	14 <sup>th</sup> November, 2008	12 <sup>th</sup> October, 2019
<b>Registration with: DCG(I) &amp; Central Licensing Authority:</b> (issued under New Drugs and Clinical Trials Rules, 2019.)	Re-Registration No. ECR/229/ Inst./MH/2013/RR-19 Valid from 22.04.2019 to 21.04.2024	Re-Registration No. ECR/417/ Inst./MH/2013/RR-19 Valid from 06.08.2019 to 05.08.2024	-

Reigstration / Accreditation / Recognition	IEC-I	IEC-II	IEC-III
<b>Govt of India, Ministry of Health &amp; Family Welfare, Dept of Health Research (DHR),</b> (National Ethics Committee Registry for Buomedical and Health Research)	Registration No. EC/NEW/INST/2021/MH/0008, Valid from Oct 21, 2021 thru Oct 20, 2026	Registration No. EC/NEW/INST/2021/MH/0002, Valid from Oct 21, 2021 thru Oct 20, 2026	Registration No. EC/NEW/INST/2021/MH/0003, Valid from Oct 21, 2021 thru Oct 20, 2026
<b>SIDCER &amp; FERCAP:</b> Strategic Initiative for Developing Capacity in Ethical Review (SIDCER), Forum for Ethical committees in Asia and the Western Pacific Region (FERCAP) for its compliance with international and local standards in ethical review.	Awarded on Nov 20, 2016	Awarded on Nov 20, 2016	-
<b>NABH:</b> National Accreditation Board for Hospitals & Healthcare Providers (Constituent Board of Quality Council of India)	Valid from May 19, 2021 thru May 18, 2024 Certificate No. EC-CT-2018-0027	-	-

- Current SOPs Version 6.1, Dated 29<sup>th</sup> June 2020 effective from 1<sup>st</sup> August 2020

Both committees presently functions according to the requirements laid down in DCI, New Drugs and clinical trials rules, 2019 (NDCTR), and is guided by the ICH GCP guidelines for Good Clinical Practice, ethical principles set forth in the Declaration of Helsinki and the Ethical Guidelines for Biomedical Research on Human Subjects laid down by the Indian Council of Medical Research.

#### Activities of the IECs

1. Total meetings of IECs held in the year 2021 (updated as on 27.12.2021)

IEC- I		IEC- II Full Board	IEC- III Full Board	SAE Subcommittee	Total meetings
Full Board	Emergency				
10	2	10	10	19	51

2. Review performed by IECs in year 2021 (updated as on 27.12.21)

Review	IEC-I				IEC-II			IEC-III		Total
	PHARMA	OA	Govt	Thesis	OA	Govt	Thesis	OA	Thesis	
<b>Full Board</b>	15	13	7	2	41	6	112	56	109	<b>361</b>
Expedited	0	0	0	0	38	2	0	41	0	<b>81</b>
Exemption	0	0	0	0	2	0	0	8	0	10
Total	15	13	7	2	81	8	112	105	109	<b>452</b>
	<b>37</b>				<b>201</b>			<b>214</b>		<b>452</b>

3. Active (approved) projects as on (updated as on 27.12.2021 )

		2021	Total	TOTAL
IEC-I	PHARMA	5	26	36
	GOVT	3	4	
	OA	-	4	
	Thesis	-	2	
IEC-II	GOVT	4	16	535
	OA	57	177	
	Thesis	85	342	
IEC-III	PHARMA	-	-	484
	GOVT	-	5	
	OA	53	160	
	Thesis	90	319	
TOTAL		295	1053	1055

#### 4. Serious Adverse Events reported and reviewed in the year 2021: 8764

##### 1. IECs Composition:

Member list of IEC-I as on 1<sup>st</sup> December 2021

Sr. No.	Name and position on IEC-1	Qualification	Affiliation
1.	Dr. Mrs. Padmavathy Menon <b>Chairperson</b>	M.D., Medicine; DM. Endocrinology	Jupiter Hospital, Eastern Express Highway, Service Rd, Next to Viviana Mall, Thane, Maharashtra 400601.
2.	Dr. Mrs. Yashashri Shetty <b>Member Secretary</b> (Basic Medical Scientist)	M.D., DBM. Associate Professor (Pharmacology & Therapeutics)	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
3.	Dr. Mrs. Urmila Thatte Member ( <b>Basic Medical Scientist</b> )	M.D., DNB., Ph.D. Emeritus Professor (Clinical Pharmacology)	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
4.	Dr. Mrs. Charulata Londhe Member (Clinician)	M. D. (Internal Medicine) Associated Professor (Medicine)	Lokmanya Tilak Municipal Medical College and General Hospital, Sion, Mumbai. 400 022.
5.	Ms. Veena Johari Member <b>Legal Expert</b>	L.L.B.	Independent Lawyer
6.	Ms. Meera Shah Member <b>Social Scientist</b>	M.S.W (Social Work); M. A. (Clinical Psychology); N.L.P., R.E.T. and Counseling	-
7.	Dr. Mrs. Sai Kulkarni Member ( <b>Lay person</b> )	M.A, PhD in Economics.	-
8.	Dr. Bhaskar Krishnamurthy Member (Basic medical scientist)	D.M.(Pharmacology); M.D.(Pharmacology, Assistant Professor (Clinical Pharmacology)	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
9.	Dr. Sandeep Bavdekar Member (Clinician)	MD (Pediatrics), Diploma in Child Health, Certificate in Hospital & Health Care Management Diploma in Information Technology (DIT)	Consultant & Chief Academics, Surya Children Hospital, Surya Children Medicare Pvt. Ltd. 101-102, Mangal Aashirvad SV Road, Santacruz (W), Mumbai 400054.
10.	Dr. Mrs. Sanjeevani Zadkar Member (Clinician)	MBBS, MD Associate Professor (Anesthesiology)	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
11.	Dr. Kaizad Damania Member (Clinician)	M. D., DNB., F.C.P.S., D.G.O., D.F.P. Professor (Obstetrics & Gynaecology)	N.Wadia Maternity Hospital, Parel, Mumbai 400012.
12.	Dr. Milind Tullu Member (Clinician)	MD, DNB Pediatrics, DCH FCPS (Child Health), MNAMS (Member of National Academy of Medical Sciences), & FIAP (Fellow of Indian Academy of Pediatrics), Professor (Additional) Pediatrics)	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
13.	Dr. Monty Khajanchi Member (Clinician)	DNB (Surgery), MBBS Assistant Professor (General Surgery).	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
14.	Dr. Dheeraj Kumar Member (Clinician)	DM, DNB (Cardiology), Assistant Professor (Cardiology)	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.

Member list of IEC-II as on 1<sup>st</sup> December 2021

Sr. No.	Name and position on IEC-1	Qualification	Affiliation
1.	Dr. Subodh Sirur Chairperson	MBBS, DVD, LLM	Consultant, Dermatology, Wockhardt Hospital, Mumbai Central, Mumbai
2.	Dr. Alka Subramaniyam Co-Chairperson (Clinician)	M.D., D.N.B., DHA.	Associate Professor (Psychiatry) TNMC & BYL Nair Charitable Hospital, Mumbai.
3.	Mrs. Palsule Shilpshree Member Secretary	M.Sc OT	Assistant Professor (occupational Therapy) Seth GS Medical College and KEM Hospital Mumbai.
4.	Dr. Sharmila Jalgaonkar Joint- Member Secretary (Basic medical scientist)	M.D.	Associate Professor (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital, Mumbai.
5.	Dr. Swapna Kanade Member (Clinician)	MD	Associate Professor, (Microbiology) Seth GS Medical College and KEM Hospital Mumbai.
6.	Dr. Smrati Bajpai Member (Clinician)	M.D., DNB	Assistant Professor (Medicine) Seth GS Medical College and KEM Hospital Mumbai.

Sr. No.	Name and position on IEC-1	Qualification	Affiliation
7.	Dr. Pradnya Talawdekar Member (Legal Expert)	B.A.M.S., L.L.M.	Independent Lawyer/Project Manager, Ojus Medical Institute, The Tulip Star, Juhu Tara Road Juhu, Mumbai.
8.	Dr. Nilesh Thakre Member (Social scientist)	Ph.D. Psychology, M.A (Industrial & Business Psychology), M.I.R.P.M., M.A.(Clinical Psychology), N.E.T in Psychology, PGDICP, Dip TD.	Assistant Professor, Psychology, SNDT Women's University, Mumbai.
9.	Dr. Sai Kulkarni Member (Lay person)	B.A., D.C.A., PGDEM, M.E.M./ PhD, M.A	-
10.	Dr. Sona Dave Member (scientific expert) (Clinician)	M.D., DA., DNB	Professor, (Anaesthesiology) TNMC & BYL Nair Charitable Hospital, Mumbai.
11.	Dr. Priyanka Honavar Member (Clinician)	DGO, DNB (OBGYN), FMAS	Assistant Professor (Obstetrics & Gynaecology) Seth GS Medical College and KEM Hospital Mumbai
12.	Dr. Sandeep Sonone Member (Clinician)	MS, DNB.	Associate Professor (Orthopaedics) Seth GS Medical College and KEM Hospital Mumbai.

Member list of IEC-III as on 1<sup>st</sup> December 2021

Sr. No.	Name and position on IEC-1	Qualification	Affiliation
1.	Dr. Leena V Gangolli Chairperson (External) & Legal Expert	M.B.B.S., M.H.A. (T.I.S.S.), M.P.H. (Harvard university) L.L.M.	Member of National Task Force for Palliative Care.
2.	Dr. Sushma Save Co-Chairperson (External)	MD, DCH, IBCLC (USA).	Associate Professor, Dept of Pediatrics, Topiwala National Medical College & B. Y. L. Nair Charitable Hospital.
3.	Dr. Amey Rojekar Member Secretary	M.D., D.N.B.	Assistant Professor (Pathology) Seth GS Medical College and KEM Hospital Mumbai.
4.	Dr. Snehalata Gajbhiye	M.D., FICS.	Assistant Professor (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.
5.	Dr. Kavita Joshi Member (Clinician)	M.D.	Associate Professor of Medicine, Seth GS Medical College and KEM Hospital Mumbai.
6.	Dr. Melita Vaz Member (External Social Scientist)	PhD MSW MA	-
7.	Dr. Sai Kulkarni Member (Lay person) External	Ph.D., M.A,	-
8.	Mrs. Jaimala Shetye (Member)	MPT	Associate Professor (Physiotherapy) Seth GS Medical College and KEM Hospital Mumbai.
9.	Dr. Kranti Kadam Member (Clinician)	M.D.	Additional Professor (Psychiatry) Seth GS Medical College and KEM Hospital Mumbai.
10.	Dr. Suchin Dhamnaskar Member (Clinician)	M.S	Associate Professor, Dept. of General Surgery, Seth GS Medical College and KEM Hospital Mumbai.
11.	Dr. Vijaya M. Babre Member (Clinician)	MBBS, DNB, FI COG, FCPS, DGO, DFP, DHA (Diploma of Hospital Administration)	Assistant Professor in Department of OBGY at K.J. Somaiya Medical College Sion Mumbai.
12.	Dr. Prerana Shah Member (Clinician)	M.D.	Professor (Additional) Dept of Anaesthesia Seth GS Medical College and KEM Hospital Mumbai
13.	Dr. Yuvaraj B. Chavan Member (Clinician)	M.D.	Professor (Additional) (PSM) Seth GS Medical College and KEM Hospital Mumbai.

## 2. IEC office bearers:

Sr. No.	Name	Designation and IEC	Contact details
1.	Ms. Janhavi Katkar	General Manager IEC	Tel: 24107515, Cell No.: 8779221293 Ext. no. 7515 Email: iec-1@kem.edu iec-2@kem.edu iec-3@kem.edu
2.	Ms. Manali Naik	Deputy Manager IEC-I	
3.	Ms. Shweta Surve	Deputy Manager IEC-I	
4.	Ms. PrajaktaAuti	Deputy Manager IEC-III, SAE Subcommittee	
5.	Ms. Manasi Lad	Sr. Executive Assistant IEC-II	
6.	Ms. Rasika Nikharange	Executive Assistant IEC-II	
7.	Ms. Sneha Bhogle	Executive Assistant IEC-III	
8.	Mr. Mangesh Khochade	Office Assistant IEC	

## 3 Activities of the IEC

## 1. Training programs conducted by IEC for its members and IEC staff:

- Online training on 19<sup>th</sup> March 2021 and Physical training on 20<sup>th</sup> March 2021 for IEC-I members and allied staff, Topic: Notice issued by DCGI on 25<sup>th</sup> February 2021 regarding online submission of SAE reporting on SUGAM Portal by Dr. Sharmila Jalgoankar
- Online training programme conducted for IEC Members on 15<sup>th</sup> July 2021, Topic: 'Role and responsibilities of IEC members' by Dr. Yashashri Shetty, Mrs. Shilpshree Palsule and Dr. Amey Rojekar

## 2. Publication related to research ethics in scientific journals:

- Shetty Y, Singh VK. Challenges in the governance of biomedical and health research after publication of the New Drugs and Clinical Trial Rules, 2019. Indian Journal of Medical Ethics. 2021 Oct-Dec;VI(4):321-326.
- Shetty YC, Kesari HV, Aithal Y, Marathe PA. Ethical Issues in Clinical Research During Covid-19 Pandemic. INARCH, 2020 Oct; 25-28.

## 3. Awards

- Dr. Yashashri Shetty won the second prize [oral presentation] at the FERCICON 2020-21 8th National conference of FERCI at NEIGRIHMS, Shillong from 23-24 Oct 2021 for her work on "Perceptions about Ethics in COVID Public Health Interventions Survey Questionnaire"

**Institutional Committee for Stem Cell Research [IC-SCR]: Established: 2008**

Registered under National Apex Committee for Stem Cell Research and Therapy (NAC-SCRT), Department of Health Research Ministry of Health and Family Welfare Government of India

Registration number: NAC-SCRT/55/20200209 Validity: 11.09.2020 to 10.09.2023

**IC-SCR Composition**

Sr. No.	Name	IC-SCR Designation	Affiliation(s)
1.	Dr Vasantha Muthuswamy	Chairperson and Ethics Expert*	Senior Deputy Director General, ICMR(Former)
2.	Dr Medha Rajadhyaskha	Vice-Chairperson*	Professor of Life Sciences, Sophia College, Mumbai
3.	Ms Tanu Mehta	Legal Expert*	Advocate, Bombay High Court
4.	Dr Mrunal Marathe	Social Scientist*	Free lance social scientist and counselor. Currently working for Asha Sadan [Palliative Care], Mumbai
5.	Dr Jyoti Kode	Stem Cell Expert*	Assistant Professor, Tata Memorial Center, ACTREC, New Bombay
6.	Dr Deepa Bhartiya	Stem Cell Expert*	Scientist G, ICMR NIRRH, Mumbai
7.	Dr Yashashri Shetty	Member Secretary and Ethics Expert *	Associate Professor, Department of Pharmacology and Therapeutics, KEM Hospital, Mumbai
8.	Mrs Manisha Naik Dalal	Layperson*	Currently layperson on Tata Memorial Hospital IEC
9.	Dr Kishori Apte	Toxicologist	Technical Director APT Testing & Research Pvt Ltd, Pune
10.	Dr Taruna Madan	Immunologist	Scientist F and Division of Innate Immunity, NIRRH
11.	Dr Rashmi Dalvi	Paediatrician /Clinician	Professor of Pediatrics, Bombay Hospital, Mumbai
12.	Dr Pushkar Shikharkane	Internal Medicine/Clinician	Practicing clinician with own practice/self employed Attached to Sushrusa Hospital, Mumbai

- Initial ICSCR was constituted in 2008 and was functional till on 2012. Now it is reconstituted and functional from 9<sup>th</sup> July 2020
- Current SOPs dated 12th June 2020 are available on our website [www.kem.edu](http://www.kem.edu) {[www.kem.edu](http://www.kem.edu) → Department → Institutional Committee for Stem Cell Research [IC-SCR]}



- One online meeting on Cisco Webex app, held on 22<sup>nd</sup> March 2021. One government sponsored project was submitted to the IC-SCR for initial review during the year.

Contacts:

Office bearers		
Dr Yashashri Shetty	Member Secretary, IC-SCR Associate Professor, Dept. of Pharmacology & Therapeutics, Seth GSMC & KEMH, Mumbai.	Intercom no. 7444, Tel: 24107444, icscr@kem.edu
Mrs. Janhavi Katkar	Administrative Manager, C/O IEC, New UG/PG Hostel, 20 Storey Hostel Building, Ground Floor, KEM Hospital Campus, Near Main boys hostel, Dr. S.S. Rao Marg, Parel, Mumbai	Intercom no. 7515, Tel: 24107515, icscr@kem.edu

## Hospital Infection Control Committee

### Members of KEMHICC

- Dean (G & K), DD I, DD II
- Prof. and Head - Anesthesia, Chest Medicine, CVTS, ENT, General Surgery, Medicine, Microbiology, Neonatology, Nephrology, Neurosurgery, Ophthalmology, Pediatric Surgery, Plastic Surgery, Urology
- Professors – Community Medicine, Paediatrics, Pathology, Pharmacology
- Associate Professors – OBGY, Orthopedics, Microbiology
- Assistant Professor – Cardiology, Microbiology
- Matron, Assistant Matron, Infection Control Nurse, Superintendent of Pharmacy, A.E (M & E), A.E (Civil), Security Officer, ORM

### Activities

- Three meetings were held during the year in the months of February, March and November.
- With the declaration of Covid – 19 as a public health emergency early in 2020, with the first cases being reported in India by end January, with a spike in the number of cases by March-April, and the realization of human to human transmission mainly through droplets and contact and of airborne transmission subsequently especially in areas generating aerosols, infection control and prevention had to be stepped up like never before. The role of KEMHIC therefore became more significant.
- KEMHICC was pro-active in identifying and implementing measures for IPC such as
- Preparation and circulation of different policies related to COVID e.g. Infection Prevention and Control(IPC) policy, ambulance cleaning policy, Extended use of N-95 mask, Biomedical waste segregation policy for COVID related areas.
- KEMHICC successfully implemented the rational use of personal protective equipment (PPE) and extended use of N-95 masks during the COVID pandemic. (KEM is the only hospital where infection control team was involved in rational distribution)
- Conducted training in infection prevention and control and Biomedical waste Management related to COVID for health care workers in KEM hospital.
- Maintaining high standard of quality of PPE and N95 at all times with HoD, Microbiology, LTMGH by preparing specifications of PPE including N-95, regular quality check of PPE for each lot every day not only for KEM but for all hospitals of MCGM.
- Representing to higher authorities with HoD, Microbiology, LTMGH, the need of NIOSH approved N-95 mask.
- Identifying and assisting in making a separate storage area for COVID waste.
- Innovative design of UV disinfection for COVID requisition forms
- Assisted in introduction and rational distribution of other infection prevention and control related material such as antimicrobial door mat at doffing areas of COVID wards, shoe cover machine in COVID lab, sensor based hand sanitizer machines and foot operated hand sanitizer stands in all COVID wards/Lab/ICUs.
- Coordination and maintenance of porta cabin for safe specimen collection.
- Prepared a video on donning and doffing procedure of PPE and circulated the same to all the HCWs.
- KEMHICC wished to thank those donors who provided PPE during these difficult times.

### Internal Complaints committee for Prevention of Sexual Harassment

No.	Name	M/F	Post	Designation
1	Dr. Padmaja Samant	F	Chairperson	Gynecology
2	Dr. Rajneesh Pande	M	Member	Anatomy
3	Dr. Nayana Ingole	F	member	Microbiology
4	Bhavesh Sahligram	M	Member	Clerical staff
5	Vijay Jawlekar	M	Member	MSW
6	Mrs. Deepali Jadiyah	F	Member	Nursing
7	Mrs. Darshana Kadam	F	Member	Nursing
8	Mrs. Dorin Marija	F	Member	Nursing
9	Swatija Paranjape	F	Member	NGO member

Meetings conducted: 4 times in the year

- Besides processing complaints; the committee conducted sensitization of
  - o 1<sup>st</sup> year MBBS students
  - o Obstetrics and gynecology department

### Journal of Postgraduate Medicine (JPGM)

Journal of Postgraduate Medicine (JPGM) (Print ISSN 0022-3859, E-ISSN 0972-2823), is a quarterly peer-reviewed international biomedical journal published under the auspices of the Staff Society of Seth GS Medical College and KEM Hospital, India. The journal is published by Wolters Kluwer India Private Limited. JPGM promotes published papers by electronically supplying the records to the National Library of Medicine at the time of online publication, making it sure that the citations are retrievable from MEDLINE as early as possible. Similarly, the citations in MEDLINE are cross linked from the official site of MEDLINE to the journal's site, thus the readership of published articles is increased many folds. The journal is registered with the following abstracting partners: Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, National Science Library, ProQuest, TdNet, and Wanfang Data. The journal is indexed with, or included in, the following: DOAJ, EMBASE/Excerpta Medica, Emerging Sources Citation Index, Indian Science Abstracts, IndMed, MEDLINE/Index Medicus, PubMed Central, Scimago Journal Ranking, SCOPUS, Science Citation Index Expanded, and Web of Science. Currently the journal is in its 67th year of being published. Impact Factor<sup>®</sup> as reported in the 2020 Journal Citation Reports<sup>®</sup> (Clarivate Analytics, 2020) has increased to 1.476 (it was 1.167 in 2019). Journal of Postgraduate Medicine has an h-index of 52, meaning that 52 articles of this journal have more than 52 number of citations. The journal's full text is available online at [www.jpgmonline.com](http://www.jpgmonline.com) and [www.bioline.org.br/jp](http://www.bioline.org.br/jp). The journal's website ([www.jpgmonline.com](http://www.jpgmonline.com)) gets over 2,500 visitors every day. The journal allows free access (Open Access) to its contents and permits authors to self-archive final accepted version of the articles on any OAI-compliant institutional / subject-based repository. A new Editorial team consisting of Dr. Sunil Karande (Editor); Dr. Mariya Jiandani and Dr. Sweta Salgaonkar (Associate Editors); and Dr. Snehalata Gajbhiye, Dr. Sharmila Jalgaonkar and Dr. Urwashi Parmar (Assistant Editors) had started their term from 1<sup>st</sup> July 2020. However, Dr. Snehalata Gajbhiye resigned as Assistant Editor on 13<sup>th</sup> March 2021, as she left her job from this institute. Dr. Snehalata Gajbhiye's editorial services to the journal are duly appreciated. The journal received 1513 manuscripts for publication during the year 2021; and the acceptance rate was about 4%. In spite of the COVID-19 pandemic, an overwhelming majority of the journal's esteemed Reviewers submitted their reviews on time; and all 4 issues have also been published on time. The JPGM iPad / android app has resulted in the journal's increased visibility and readership resulting in a healthy royalty income. Both the accounts (main and conference) of the journal for the financial year 2020 - 2021 have been audited and submitted to the Staff Society.

### Poor Box Charity Fund

PBCF was instituted by a standing Committee resolution in 1926. Donations are collected in this fund from various donors and from various sources such as Prime Minister's National Relief Fund, Chief Minister's Relief Fund, Mayor's Fund, Siddhi Vinayak Trust, Mahalakshmi Trust, Saibaba Sansthan, Shirdi Etc. The money is used for poor and deserving patients after necessary sanctions are obtained.

This year the PBCF spent Rs. 87,05,430.00 on poor and needy patients.

## Research Society

Research Society is registered on 29th September 1952 under the societies Registration Act XXI, 1860.

The office bearers and executive committee member of Research Society for the period from 2019- 2024 is as follows:

President: Dr. Hemant Deshmukh Dean Seth GSMC & KEMH

Hon. Vice President: Dr. N. Sawant,

Hon. General Secretaries: Dr. B. Mhatre & Dr. H. Nandgaonkar, Hon. Treasurer: Dr. K. Joshi

Executive Committee members: Dr. S. Ravat, Dr. S. Bhide, Dr. S. Kanade, Dr. R. Pandey, Dr. A. Agrawal, Dr. S. Rane & Dr. S. Umbarkar

**Aims & Objectives:** The aims and objects of the society are:

- To promote medical research in all its branches including industrial diseases accidents
- To finance research inquiries
- To endow research Fellowships
- To give grants for research
- To further the growth of research work in medicine and allied subjects

*Activities:*

- Research grant upto Rs. 75000/- is provided twice a year for research projects undertaken by the faculty who are also members of the Research society.
- Research proposals are peer reviewed before sanction of the grant.

*Activities: January 2021 to December 2021*

- Research grants for 22 projects were sanctioned upto Rs. 75000/- (2020 set II, 2021 set I & set II).
- Clinical trial amount received of Rs. 50,95,920/- received from the departments of Cardiology, Neurology, Clinical Pharmacology, Hematology, Plastic surgery, Medicine-Pharmacology & Anesthesia.  
Ongoing Clinical trial: 12 & New Clinical trial: 6
- Life Membership fees received Rs.1,000/-
- Executive committee meetings held = 9 and AGBM = 1
- Funding Rs. 50,000/- for printing of annual report 2020.
- Rs. 50000/- sponsor one session of UG-PG conference-confluence 21
- Rs. 32634/- contribution for Remotex software to Gosumec Alumni Association
- Rs. 2000/- monthly for website assistance.

Research proposal that received grants were as follows:

2020 Set-II

Sr. No.	Title of Project	Name of Chief Investigator
1	Evaluation of diagnostic performance of Xpert MTB/RIF Ultra assay in suspected Tuberculous meningitis cases in tertiary care setting.	Dr. Swapna Kanade
2	A study of gonadal function in male Budd Chiari syndrome (BCS) patients before & after appropriate therapy	Dr. Akash Shukla
3	Evaluation of Neuro-protective effect of Sinomenine in 6-hydroxy dopamine induced Parkinson's disease in Wistar rats.	Dr. D G Kurlle
4	Evaluation of the effect of Metformin on Trinitrobenzene sulfonic acid (TNBS) induced acute and chronic colitis in BALB/c mice.	Dr. Shruti Bhide
5	Study to assess the knowledge and attitude regarding play needs of children among parents of typical children and parents of children who are undergoing occupational treatment.	Dr. Hemant Nandgaonkar
6	To study gonadal function in male Non cirrhotic portal fibrosis(NCPF) and Extra hepatic portal venous obstruction (EHPVO) patients	Dr. Aditya Kale

2021set-I

Sr No	Title of Project	Name of Chief Investigator
1	Study of clinical profile, laboratory parameters and genotype phenotype, correlation in patients with Membranoproliferative glomerulonephritis (MPGN) pattern on renal biopsy.	Dr. Tukaram Jamale
2	Anti-depressant effect of Potassium Clavulanate through enhancement of neuroplasticity in learned helplessness model of C57/BL6N mice.	Dr. Panini Patankar
3	Ovarian Dysfunction in females with lupus nephritis.	Dr. Divya Bajpai
4	Evaluation of effect of Dextromethorphan in the model of post-traumatic stress disorder in Sprague Dawley Rats.	Dr. Raakhi Tripathi

Sr No	Title of Project	Name of Chief Investigator
5	To study safety and efficacy of brachial plexus block with combined usg & nerve locator vs nerve locator guided for upper limb vascular surgery	Dr. Sanjeeta Umbarkar
6	Evaluation of anticancer activity of FS-AuNPs and HCFS-AuNPs in hepatocellular carcinoma model in C3H mice	Dr. Shruti Bhide
7	Evaluation of the effect of Cyperus rotundus In a Murine model of Dextran Sulphate Sodium (DSS) induced acute colitis	Dr. Sandhya Kamat
8	An experimental study to evaluate the anti-depressant effect of Zileuton and aqueous extract of Phyllanthus emblica in unpredictable chronic mild stress induced depression in Albino mice.	Dr. Shirish Joshi

## 2021set-II

Sr. No	Title of Project	Name of Chief Investigator
1	Evaluation of awareness of drug treatment, prescription pattern, adverse drug reactions and adherence in patients of major depressive Disorders.	Dr. U Parmar
2	Awareness based screening of breast and cervical cancer in women of an urban slum in a metropolitan city	Dr. GD Velhal
3	A study of prevalence exposure-response relationship and consequences of iron overload in patients on chronic maintenance haemodialysis	Dr. Tukaram Jamale
4	Evaluation of adequacy of pain relief and medications used in pain management in cancer patients attending palliative medicine outpatient department in tertiary care hospital	Dr. Padmaja Marathe
5	Study of Mitochondrial DNA mutations in urothelial carcinoma of bladder – I phase 40 patients	Dr. Sujata Patwardhan
6	Evaluation of protective effect of S-Adenosyl L-Methionine on isoproterenol induced chronic cardiac failure in wistar rats.	Dr. Sharmila Jalgaonkar
7	Correlation of genetic and phenotypic profile in children and young adults with idiopathic acute, acute recurrent and chronic pancreatitis: a prospective observational study	Dr. A Kale
8	Evaluation of the Chondroprotective effect of Doxycycline in Monosodiumiodo-acetate induced osteoarthritis in wistar rat	Dr. Yashashri Shetty

Total grants given- Rs. 483407/-.

### Regional Resource Centre (RRC)

Seth G. S. Medical College & KEM Hospital, Mumbai was selected as a Regional Resource Centre for Western Region under National Medical College Network (NMCN) project in 2015. In the first phase of NMCN scheme, 5 Govt. Medical Colleges from the states of Maharashtra, Gujarat and Goa which already have connectivity provided by National Knowledge Network (NKN) have been identified for NMCN activities. This linkage is for Tele education, TeleCME, Tele specialist consultations, Tele follow-up, sharing of surgical & interventional skills and access to Digital Library.

#### Aims & Objectives

Tele-education - Sharing of Knowledge, Continuous Medical Education for Medical and Para Medical staff, sharing of surgical & interventional skills, etc.

Tele-consultation - Expert consultation to patients in inaccessible/Tribal and urban areas and where doctors are not available for any reason. (under development)

E-Learning and Digital Library -Access to e-Books, e-Journals and e-Resources, creating Digital Library infrastructure facilitating medical researchers and knowledge seekers to have continuing education programme (e-CME) in respect of basic and recent developments in the health / medical fields.

### Telemedicine Program Management Unit (NMCN)

Dr. Hemant Deshmukh -Dean and Chairperson

Dr. Gita Nataraj - Nodal Officer, RRC & Member Secretary, I/C Digital Library

Dr. Pritha Bhuiyan -Member Dr. Nayana Ingole – Member

Dr. Rajneesh Pandey- Member

#### Human Resources for NMCN: -

Telemedicine Infrastructure & Network Administrator - Mr. Tushar Kotwal Content Developer - Mr. Badal D Patil

NHM Support Facility Manager - Mr. Sandeep Mehendale Content Developer (e-classroom) – Mr. Vivek Yadav

AV Technician (e-classroom) – Mr. Babubhai Chawda

*Various activities carried out under NMCN: -*

- 301 Tele-education sessions have been conducted during the year.
- Tele-Education International webinars were conducted/attended by Departments of Endocrinology, Microbiology and Neonatology, Bioethics Unit.
- Live audio-visual demonstration of Dissections from dissection hall to digital medical lecture theatre/eClassroom in Dept. of Anatomy which has benefited 250 UG Students.
- Radiology Master Class by Dr. Ravi Ramakantan, Dept. of Radiology as expert faculty has been initiated for PG students.
- Embryology lecture series and Neuroanatomy lectures by Dept of Anatomy.
- Webinar Anaesthesiology Series by Department of Anaesthesia, Seth GSMC and KEMH, Mumbai, 764 participants register on NMCN portal.
- Live streaming sessions via YouTube have been conducted for clinical programs by Depts. of Anatomy, General Surgery, Medical Education Unit and Occupational therapy.

NMCN activities taken under COVID 19 at RRC, Seth G. S. Medical College & KEM Hospital, Mumbai. Various activities carried out under NMCN during Covid-19 pandemic situation included ongoing e-learning sessions/tele-health services, preparation of educational videos/content and recording the lectures COVID-19 related educational content material

### **Student Grievance Committee**

- Dr. Hemant Deshmukh, Dean & Chairperson, GSMC & KEMH
- Dr. Milind Nadkar, Academic Dean
- Dr. Amita Joshi, Member Secretary
- Dr. Aparna Deshpande, Member
- Dr. Vishal Gupta, Member

Main objectives of the committee are:-

- To formulate the policy to investigate and review complaints or grievances of UG / PG students and faculties.
- To create awareness of availability of members for students and faculties to report grievances.
- To investigate the cause of grievances.
- To ensure effectual solution depending upon the gravity of the complaint received.

### **Scholarship Fund**

The committee comprises of

- Dr Amita Joshi (secretary)
- Dr Niranjan Mayadeo
- Dr Anjali Rajadhyaksh
- Dr Lopa Mehta (advisor)

This was set up to support the staff members to be engaged in academic activities like going to a centre of excellence in India or abroad for further study which will benefit the department and the institution. There is a corpus of approximately Rs 25L. The interest generated is utilised for this purpose.

- a. The staff member should have completed 5 years of service, before being eligible to avail the scholarship.
- b. He / she should not be engaged in private practice.
- c. There should be letter from the respective head of department that the activity supported will be beneficial to the department in future.
- d. He / she should not have availed the scholarship in the previous 5 years.
- e. Maximum of Rs 30,000/- refundable + Rs 30,000/- non-refundable amount is sanctioned after obtaining supporting bills / tickets and other documents showing the expenses involved.
- f. Refundable amount is charged @ 5% simple interest per year and LIC policy or similar financial document is held by the office as guarantee till the refundable amount with interest is returned.
- g. Periodic reminders are sent for recovery of the refundable amount.

### **Poor Boys' Fund**

This was set up to support undergraduate students (medical & paramedical) who are less privileged to buy books etc. There is a corpus of approximately Rs. 5 L. The interest generated is disbursed equally to all eligible applicants. The committee comprises of Dr Amita Joshi (secretary), Dr Niranjan Maydev, Dr Anjali Rajadhyaksh, Dr Lopa Mehta (advisor).

- a. In September applications are invited from the students. They must also attach proof of family income from Tahsildar or similar office
- b. UG students are interviewed by the committee.
- c. Interest amount is equally disbursed amongst the eligible students. (upto maximum of Rs 12,000/- per student / per year can be given).

### Staff Society

SETH G.S.MEDICAL COLLEGE & KEM HOSPITAL, STAFF SOCIETY is registered under Bombay Public Trust Act 1950 on 10.3.93.

**AIM AND OBJECTIVES:** It is a non profit organization with aims and objectives as under

- A. Dissemination of research activities and advancement of medical education to practising doctors, staff, students and general public in order to improve delivery of health care to the patients
- B. To promote sense of fraternity among the members by arranging Social function.

For attainment of the above aim and objectives the association may

- i. Hold periodical meetings to discuss the scientific and clinical matters from the institution and promote healthy exchange of ideas.
- ii. Publish scientific material including Journal of Post –Graduate Medicine
- iii. Discuss problems pertaining to Medical Ethics and Medical Education.
- iv. Co-operate with other Medical Societies, associations of KEM Hospital.
- v. Raise funds through contribution, donations, advertisements, functions or any other way from members donors /others, as decided by the Executive Committee.
- vi. To coordinate all the orations of Seth GSMC & KEMH with respective departments and organization.

Do all things as are incidental or conducive to the attainments of the above objectives or any other.

### Executive Committee members and office bearers 2019-2021:

As of now there is no formation of New Executive Committee from the period 2019- 2021.

Only Hon. Jt. Secretary & Treasurer from caretaker committee looked after the work of Staff Society till 2021 as per Dean Sir's instruction.

President - Hemant Deshmukh

Hon. Jt. Secretary- Dr. Padmaja Samant

Treasurer - Dr. Sujata Lavangare

Editor JPGM -Dr. Sunil Karande

There were no activities conducted because of pandemic & restriction on gatherings.

Dr. Padmaja Samant Hon. Jt. Secretary

Contact : 7406

Dr. Padmaja Samant -Hon. Jt. Secretary

Dr. Sujata Lavangare -Treasurer

### Telemedicine Center

The Maharashtra Telemedicine Project was initiated as a collaborative project of Indian Space Research Organization (ISRO), Govt. of Maharashtra (GoM) and Municipal Corporation of Greater Mumbai. This project is one of the major initiatives under the National Health Mission (NHM). The KEM Hospital Telemedicine Center has been connected with Telemedicine Centers at Aheri, Alibaug, Chandrapur, Karad, Kamathe, Nandurbar, Navapur, Ratnagiri, Sindhudurg, Sawantwadi, Satara, Shahapur and Thane, through a satellite link & Broadband connection. The KEM Telemedicine Center is working as a Specialty Center and its doctors are providing expert advice (all broad-specialities and super-specialities) to patients and doctors from these peripheral centers.

The working of the KEM Telemedicine Center is supervised by the KEM Telemedicine Committee:

Chairperson: Dr. Hemant Deshmukh (Dean, Seth GSMC & KEMH)

Member: Dr. Milind Tullu, Professor (Additional), Department of Pediatrics, Seth GSMC & KEMH.

The day-to-day working of the Center is carried out by Mr. Sandeep Mehendale, the Facility Manager.

In the period from *January 2021 to November 2021*, a total of **4084 patients** have derived benefit of expert advice from various specialists of KEM Hospital. The disciplines whose opinions have been sought include-- anesthesiology, ayurvedic medicine, cardiology, cardio-thoracic surgery, chest medicine, dermatology, dentistry, endocrinology, gastro-enterology, gastro-enterology surgery, general medicine, general surgery, gynecology and obstetrics, hematology, neonatology, neurology,

neurosurgery, ophthalmology, orthopedics, otorhinolaryngology, pediatric surgery, pediatrics, plastic surgery and radiology. Through this Telemedicine Center, KEM Hospital and Municipal Corporation of Greater Mumbai are providing their contribution for promotion of health of Maharashtra's rural populace. Many departments also use the KEM Telemedicine Centre facilities for scientific lectures, academic communications and training programs.

The details of the quantum of consultations provided at the KEM Telemedicine Center is given in **Table 1** below.

<b>Table 1: KEM Telemedicine Center: Detailed list of consultations done (Maharashtra---District-wise) [Period: January 2021 to November 2021]</b>													
Sr No	District	Jan 2021	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov 2021	Total
1	Aundh	9		11			7		10		2		39
2	Alibaug	22	24	13			1						60
3	Chopada	12	4	1					1				18
4	Chamorshi											1	1
5	Gadchiroli								1		1		2
6	Gadhinglanj		28	116	2	4	117	83	62	33	39	4	488
7	Gangakhed										27	9	36
8	Gondia		38	48			24	18	19			9	156
9	Islampur	9		18	3			6				6	42
10	Kalvan	17	36	32	18	8	14	21	24	18	39	5	232
11	Kamthe	24	29	24	49	20	26	33	80	15	84	36	420
12	Karad	15	27	18	5	5	10	7	28		14		129
13	Korchi										2		2
14	Mangaon	5											5
15	Nandurbar		7	73		22	37	60	84			40	323
16	Navapur	36	40	49	47	28	46	54	44		22	36	402
17	Osmanabad	17	2	4		6	13	46	17			22	127
18	Parbhani			1		1							2
19	Pathardi										2		2
20	Ratnagiri	115				51	35	41	26		63	56	387
21	Satara										7	30	37
22	Sawantwadi	4	11	15	14	4		7	11		20	9	95
23	Sangamner	3	11	19	4	7	11	9	11	3		4	82
24	Shahapur	36	41	41	5	12	29	25	42	9	18	4	262
25	Shegaon	34	50	98	47	43	43	29	56	20	51	32	503
26	Sindhudurg	3	6	5	13	13	22	5	5	14	3	20	109
27	Sironcha											1	1
28	Thane					5	19	5	5				34
29	Tiroda	10	21										31
30	Umarga		1	3				1	3		1	2	11
31	Warora		1	28			5	12					46
32	Wadsa											1	1
	Total	371	377	617	207	229	459	462	529	112	395	326	4084

### Women's Development Committee [WDC]

- The Women Development Committee (WDC) was established in this hospital in November 2006 and comprises of representatives from various cadres of teaching, non-teaching, nursing, clerical and labour staff and medical students. The WDC looks after the welfare of women. The new committee was appointed with effect from October 2018 and following are the new office bearers:

Sr. No.	Name	Position
1	Dr. Hemant Deshmukh	Dean, GSMC & KEMH President
2	Dr. Mridula Solanki	Chairperson
3	Dr. Urmila Thatte	Committee Member

<b>Sr. No.</b>	<b>Name</b>	<b>Position</b>
4	Dr. Ameet Fadia	Committee Member
5	Dr. Rupali Borkar	Committee Member
6	Dr. Swapna Kanade	Committee Member
7	Dr. Prasad Bhangе	Committee Member
8	Dr. Deepika Nandanwar	Committee Member
9	Mrs. Shruti Gamare	Committee Member
10	Mr. Vijay Jawlekar	Committee Member
11	Mrs. Neha Dabholkar	Committee Member
12	Mr. Tanay Dixit	Committee Member
13	Mrs. Anjali Kharkar	Committee Member
14	Mr. Vaibhav Juvekar	Committee Member
15	Mr. Harshad Kawle	Committee Member
16	Mr. Sanjay Khare	Committee Member



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# Support Services

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# Support Services

## Diet Department

### *Dietitian*

#### *CVTC*

- Patient's nutritional assessment, diet planning and counselling are done on daily basis for both indoor and outdoor patients of Chest medicine and CVTC departments
- Daily ICU rounds - LICU (ward 31), IRCU (ward 32) and ICCU (ward 35)
- Oral diet or enteral or parenteral nutrition is advised based on assessment
- Diet planning and counselling for new cases of inborn errors of metabolism referred from ward or Pediatric Research Laboratory (PRL) along with regular follow ups of old cases
- Total numbers of patients seen annually are approximately 20000-25000
- Besides patient service, give guest lecture to post graduate students

#### *Diet Dept.*

- Nutritional Assessment, Diet planning and counselling of both indoor and outdoor patients referred from medical, surgical, pediatric, orthopedic and other specialty units. References from ICUs viz. SICU, IPCU, etc. are also done.
- Patients with wide spectrum of diseases like Hypertension, Diabetes, Gastrointestinal, Cardiovascular, Renal, Burns, Cancer, PEM, Inborn error, etc. are assessed and accordingly Oral diet, Enteral Nutrition or Parenteral Nutrition is advised
- Total numbers of patients seen annually are approximately 25000-30000 Besides above-mentioned clinical aspect, kitchen dept. is also been managed-
- Quality checking of perishable food items (vegetables, fruits, grocery, etc) on daily basis
- Quality checking of non-perishable food items (viz. dried pulses and dals, spices, etc.) at each delivery as well as intermittently
- Supervising food preparation, distribution and food tasting on daily basis
- Ensuring maintenance and hygiene of kitchen, kitchen equipment and kitchen staff
- Miscellaneous works viz. attending to various problems encountered in kitchen on daily basis
- Attending Diet Sub Committee meetings and other activities
- Conducting session on nutrition and food service management for Nursing and Medical professional

#### *AKD Dietitian*

Daily rounds in AKD wards namely:

- Dialysis unit- rounds are taken twice a day during working hours (morning and evening)
- Ward 34A- comprises of pre and post-transplant patients. They are being assessed, prescribed diet plan accordingly and counselled. Practice regular dietary modifications as per fresh reports and patient's clinical condition.
- Ward 34- comprises of acute and chronic renal patients. They are being assessed, prescribed diet plan accordingly and counselled. Practice regular dietary modifications as per fresh reports and patient's clinical condition.
- Ward 12 and 4- patients under AKD unit are monitored regularly.
- Attend referral calls- assess patients and advice diet. Patients are thereafter, instructed to follow up regularly throughout hospital stay and post discharge on OPD basis.
- Advise diet to OPD patients held thrice a week.
- Average no. of patients seen per day: 30-35.

#### *Endocrine Dietitian*

- Attending both inpatients and outpatients of Endocrine department- Nutritional assessment, diet planning, counselling, etc.
- Attending patients admitted in MICU
- Oral diet or enteral or parenteral nutrition is advised based on assessment.
- Attending patients referred from School clinic.
- Average no. of patients seen per day: 30-35.

Besides above-mentioned roles following duties are also performed by all dietitians

- Training of post-graduate dietetics interns from various institutions across India that includes both college and Registered Dietitian internship.
- Conducting nutrition education program for maternity homes, mid meal planning/ Poshak aahar for BMC schools and other rural schools and hostels under Maharashtra state.

### Library

- Seth G.S. Medical College, Library Subscribed 136 journals. The online access to all journals was made available on Intranet.
- Subscribed following 9 databases, online access to all Databases is available on Intranet.
  - i. Clinical key
  - ii. Proquest Health & Medical Complete
  - iii. Ovid MD
  - iv. Acland Anatomy
  - v. Up-to-date
  - vi. Thieme MedOne Education
  - vii. BMJ-Case Report
  - viii. Access Medicine
  - ix. JAMA Evidence
- 'Clinical key' from Elsevier Co. All the journals from Elsevier Co. including 'clinics on all subjects' will be available online & 656 e-journals and 1135 e-books are available online through this Database on Intranet.
- More than 10000 e-books and more than 3000 e-journals and Dissertation & Thesis (1637- current) are available. "Times of India" (1838-2007) are also available on "Proquest" medical database.
- Online access to 147 e-books and 146 e-journals available on "Ovid MD" medical database.
- Acland's Anatomy is the complete and medically accurate 3D model of the human anatomy.
- UPTODATE is a medical database having text information.
- 114 books are available in Thieme MedOne Education.
- BMJ-Case report – It is an online repository of Case reports.
- 131 E-Books are available in Access Medicine
- Arranged orientation program for first year undergraduate students on 25<sup>th</sup> Feb.2021.
- **Holdings:** Library journals' holdings are available on the KEM Updated Library books' list is available on Webslim on Intranet. Links are given to all online resources of the Library on Intranet webpage, under the broad heading, 'Library Resources'.

### Donation and Grants

1. We have received the membership of National Medical Library's ERMED consortia. This has enabled to access 239 online journals.
2. Free Trial access was given to following e-resources.
  - a. Cochrane Library – 11th Feb. 2021
  - b. Dynamedex - 16th Oct 2021.

### Looking Ahead

**Education:** To subscribe more databases and planning to subscribe more e-resources, so that Doctors will get relevant latest information immediately on Intranet. We have arranged following Webinars/user training programs for Institutional members.

- a. NML – 22-6-21& 6-7-21 &7-7-21 & 15-07-2021
- b. Cochrane Library – 18-6-2021

It is proposed to provide 50 internet ports/switch boards and computers for internet access for students and faculty members.

### Equipment

- a. Proposal put up for Compactors/ Steel trolley type racks i.e. compactors for keeping bound volumes. It saves the space in the Library and more space is available for reading.
- b. Proposal put up for purchase of tables and steel chairs and for students.

### *Library Committee*

The Library Committee is an advisory committee and following members are present in it.

- 1) Dr. H. Deshmukh      The Dean
- 2) Dr. Gita Natraj      Prof.I/c,Library
- 3) Dr. Bhuiyan      Member
- 4) Dr. C. T. Deshmukh      Member
- 5) Dr. Nithya Gogtay      Member
- 6) G. S. of Student      Member
- 7) Mrs. M. S. Khochikar      Secretary

The Library Committee meets periodically to take policy decisions. It helps the Chief Medical Librarian for deciding the purchase of Medical Journals, Books, Medical databases & other Library material.

Library Committee members help the library to introduce new technologies such as Intranet, which help readers to get better services. They try to get donations/grants for Library.

Overall the Library Committee looks after the welfare of Library.

### *Staff*

Designation	Names	Contact No.	Email
Ch.Med.Librarian	M.S.Khochikar	9322155296	madhuri.khochikar@gmail.com
Jr. Librarian	S.S. Sapre	9224086431	shreya_sapre@yahoo.com
• Lib.Asst.	- Six	7499	
• Lib.Attendent-	- Four	7120	
• Servant	- Four	7120	

### **Pharmacy**

- Approvals of various medicines procured by Medical Store, all medicines Specifications, Quotations and Quality control Reports is checked and verified at Pharmacy Department by Supdt. Of Pharmacy.
- The Pharmacy Dept. performs steam sterilisation & E.T.O. gas sterilisation of material received from wards and O.T.'s.
- Preparation of sterile empty bulbs required for collection of blood & urine samples for the O.P.D. and indoor patients.
- Supply of sterile distilled water & distilled water to wards and laboratories and various B.M.C. Garages in Mumbai.
- Orientation given about functioning of C.S.S.D., Pharmacy, functioning of stores, various dispensing units, preparation of various mixtures, ointments, lotions and distillation unit to students of Diploma and Degree College of Pharmacy & to post graduate Hospital Administration students on their hospital visit.

**Activities :** **Mr. Prakash G. Mahale**, Supdt. of Pharmacy and **Mr. Sheetal V. Chandan**, Pharmacist are members of the Medicine Monitoring Committee, and HIC.

### *Staff Working at Pharmacy Department*

Supdt. of Pharmacy Mr. Prakash G. Mahale

### **Pharmacists**

Laboratory Technicians

Laboratory Assistants

Laboratory Attendants

### *Dispensary*

Contact No. 7407

Mr. Vinod D. Gamre - Head Pharmacist

Most of the medicines are dispensed through 5 units (1 Main unit is working round the clock) to the O.P.D. patients and various preparation as per K.E.M. formulary like Glycerine Acriflavine, Glycerine Magsulf, M. S. liniment, Acne Lotion and Eusol Soln. for indoor patients from Dispensary.

### *Staff Working at Dispensary*

All the Dispensaries are governed by Supdt. of Pharmacy, Mr. Prakash G. Mahale.

### **Head Pharmacist, Mr. Vinod Gamare**

Senior Pharmacists

Pharmacists

### *Medical Stores*

Contact No. 7416

**Mrs.-Sonali Khade - Head Clerk (Medical-Store)**

- The medicines procured by the Medical and General Stores is being approved by Pharmacy Dept.
- The Medical Stores is governed by Pharmacy Dept.
- **Four Pharmacists** are posted in Medical Stores.

In the stores the medicines are procured, stored and distributed to various wards, dept., theatres as per the requirement. The Medical Stores is governed by Supdt. of Pharmacy, Mr.Prakash G.Mahale. Head Clerk, Clerk and Pharmacists

**Social Service Department**

- **Total Number of Patients** : - 22,384 (Twenty Thousands and Three Hundred Eighty-four)
- **Total Donation**: - ₹ 6,89,46,892 (Rs. Six Crore, Eighty – nine lakh, Fouty – six and EightHundred Ninety – two)
- Community Development Officers are engaged in various patient care activities such as Individual Counselling, Family counselling , Assessment of Municipal Charges, Total No. of Discharge Assessment of patients, Medico Legal cases, Group work, Medical and Material Aid, Rehabilitation (Referrals to other agencies) & Follow up of Patients with their respective departments.

*Highlights & Achievements*

- G.T.Sheth Trust providing finance for medicines to all department patients in emergency situation.
- Aadi Jin Yuvak Charitable Trust help for medicines and equipments.
- Hand transplant donation arranged byCommunity Development Officer.
- Cochlear Implant Surgeries donation arranged by Community Development Officer.

*Patient care*

- Counselling, donations & rehabilitation of patients. Total no. of patients counselled by CDO's – **22,384**
- In collaboration with NGO Nareindas Morabai Budhrani Trust counselling services by trained CDO's and Psychologists. Financial support for Haematology and Chemotherapy patients and Breast OPD cancer patients.

*Community care*

- Awareness programme with Anti-Drug Abuse and HIV-AIDS with BMC employees with spouses at various places.
- Awareness programme with Anti Narcotic Cell
- Awareness programme on Domestic Violence
- International Divyag Day
- International Women Day
- Dr. Sadhana Bhatkhande, Head Social Service Department conducted session on stress management for the non-teaching staff of Bhavanse college, Choupaty & Wilson College on 22.05.2021.

*Education (Including student activities)*

- Guidance and field work orientation provided to post graduate students of different social work colleges.
- Training programmes for counsellors & CDO's posted in the Blood Banks.

*In the limelight*

- Dr. Sadhana Bhatkhande, Head, Social Service Department wrote an article “कोविड-१९ नंतरच जीवन.... आता नेहमीचेच....” in the journal of marriage counselling, published by Maharashtra family court Counsellors.

*Awards and Honors*

- Mr. Rajesh Kamble, Community Development Officer was felicitated by Ekta Pratishthan, Posre Chiplun being helpful in Covid – 19 Pandemanic.

*Donations and grants*

- Total patient specific donations collected by CDO's for patients surgeries and medications **₹ 6,89,46,892** /-(Rupees Six Crore, Eighty – nine lakh, Fouty – six and Eight Hundred Ninety – two only)
- Distributed Stools and chairs provided for patients and relatives in the Pediatric wards.
- Distributed 35 Antiseptic Liquid 5 Ltr Cans, seven Wheelchairs, 12 digital BP set for patient care.
- Donation of Green Cotton masks, Hot water bags, Sanitizer cans and Spray bottles for Pediatric Department, Plastic Surgery Department, Haematology ;Department, Endocrinology Department, Cardiology Department.
- Donation of wall Clocks for the Pediatric Department.
- Donation of scanner with printer for Social Service Department in KEM Hospital
- High Cost Antimaligancy Drugs for Cancer Patients.
- Donation of seven Aquaguard Water filters for wards / departments.

- Donation of sanitizers and masks for patients and their relatives.
- Donation of 32 Gowns for doctors.
- Donation of 125 meter white cloth in Ward MICU-22, Ward 20A and Mortuary.
- Donation of 265 Gowns of 25 GSM Non-woven fabric, 150 shoe cover of 25 GSM non-woven fabric, 50 eye covers and 3 PPE Kits for doctors / Sisters / Ward boys in KEM Hospital.
- Donation of 8 packets of female diapers for patients of ward No.4, 4A,8, 23 and 29.
- Donation received of old Bi-Pap Machine to be used for needy patients
- Donation of medicine and material like Chin support, Sacral belt, LS Belt, Ankle support, Knee support, etc. which is useful for our poor and needy orthopaedic patient.
- Donation of medicine for our medicine department.
- Donation of medicine and material for orthopedic patients Pediatric / Hematology / Neuro Surgery Medicine donated from Antaryog Foundation.
- Donation Rs. 25,00,000/- received from Swami Samarth Trust. It was utilized for deserving patients.

#### *Looking Ahead*

- Identify and tap new donors for the benefit of patients and patient care.
- In-house training programme and lectures for CDO's.

Rehabilitation of the patients with the help of donors in KEM Hospital campus.





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# Contact Information

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# Contact Information

Department name	Designation	Intercom	Landline no.	E-mail Address
<b>Administration</b>				
Sangeeta Ravat	Dean	7700	24107862	---
D. N. Shenvi	Academic Dean	7020	24107862	
Vaishali Gondane	Asst. Dean			
Chetna Kantharia	Deputy Dean I/c	7438	---	---
Manoj Telkatvar	Asst. Dean I/c	7053	---	---
Shamal Patole	A/O Nursing	7019	24107019	---
Seema Mhatre	A/O Store	7415		
Rajesh Kurhade	A/O GSMC	7032	24107434	---
Manasi Vaidya	A/O K	7808		
Namrata Dolas	Front desk manager	7020	---	namrata1dolas@gmail.com
<b>Support Services</b>				
<b>Engineering (Civil)</b>				
Manoj Jerurkar	AE Civil	7454	---	---
RohanValvi	SE Civil	---	---	---
Prasad R Gosavi	SE Civil	7454	---	---
<b>Engineering (Mechanical &amp; Electrical)</b>				
Neha Sankhe	Asst. Engineer	7768	24107799	ae02me@mcmgm.gov.in
Pranay Pawar				
Vinay Shedge				
Kiran Nalawade				
Ketan Gawande				
Rajesh Badwaik	Junior Engineer	7456	---	---
<b>Nursing</b>				
Pratima Naik	Matron	7013	24107013	---
Sushila Kori	Sr. Asst. Matron			
Lata Kamble	Sr. Asst. Matron	7013	---	---
Sindhua Mane	Sr. Asst. Matron			
Alka Patil	Jr. Asst. Matron	7013	---	---
Akshara Shelke	Jr. Asst. Matron	7013	---	---
<b>Social Service</b>				
Sadhana Bhatkhande	HOD SSD I/C	7075	---	---
Shambhudeo Dalvi	CDO	7055	---	---
Rajesh Kamble	CDO	7430	---	---
Subhash Salve	CDO	7849	---	---
Uma Jadhav	CDO	7096	---	---
Vijay Jawlekar	CDO	7484 / 7080	---	---
Prakash Sawant	CDO	7723	---	---
Vasant Sutar	CDO	7079	---	---
Dadaso Sonwalkar	CDO	7745	---	---
Deepak Shingane	CDO	7489	---	---
Rupali Redkar	CDO	7056	24107055	---
Ashwini Patil	CDO	7820	---	---
Vijaykumar Rathod	CDO	7723	---	---
Sarala Ladhe	CDO	7421 / 24135189	---	---
Chandrashekhar Koli	CDO	7271	---	---
Alpita Sable	Clerk cum Typist	7271		

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Vijay Rathod	CDO		---	---
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Nitin Gamare	Head Clerk	7403	---	---
Safala Mahadik	Sr. Dietician	7865	---	safalmahadik@yahoo.com
Shruti Shettigar	Dietician	---	---	---
Bhakti Tulaskar	Dietician(AKD)	---	---	---
Neha Amol Pansare	Dietician			
Deepa Nachankar	Dietician(Endo)	---	---	---
<b>Laundry</b>				
Nitin Gamare	Head Clerk	---	---	---
Virsingh Kamble	Assistant	---	---	---
Kisan Gawit	Assistant	---	---	---
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Manoj Borkute	Assistant Professor	7594	24107594	@gmail.com
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Anita Narendra Shetty	Professor	---	022-26362315	anitanshetty@yahoo.co.uk
Deepa Kane	Professor			
Sweta Viraj Salgaonkar	Professor	---	022-25556455	swetavs@gmail.com
Prerana Nirav Shah	Professor (Additional)	---	022-26718940	preranaps@rediffmail.com
Manali Mohan Nadkarni	Professor (Additional)	---	022-28752698	nadkarnimm@rediffmail.com
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Shashikant Sahadev Shinde	Professor (Additional)	---	022-21661503	shash62@yahoo.com
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# The year that was.....

