



ANNUAL REPORT

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

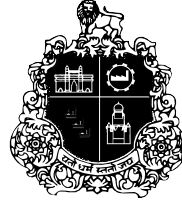
BRIHANMUMBAI MUNICIPAL CORPORATION



2022

The year that was.....





Seth G.S. Medical College & King Edward VII Memorial Hospital
Brihanmumbai Municipal Corporation

A N N U A L R E P O R T
2 0 2 2

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Funding Support	Diamond Jubilee Society Trust Department Development Fund GOSUMEC Alumni Association Research Society
Printer	Urvi Compugraphics A2/248, Shah & Nahar Industrial Estate, S.J. Marg, Lower Parel (West) Mumbai 400 013. Tel.: 91 - 22 - 2494 5863 • e-mail: urvi@urvi.cc
Acknowledgements	Dr. Harish Pathak Academic Dean Dr. Gita Natraj Emeritus Professor
Cover Photo Credit	Dr. Soham Sinha (JR-II, Pharmacology & Therapeutics)

F r o m t h e D e a n ' s d e s k



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.

With the mitigation of the COVID -19 pandemic, the institute pushed forward to excel and touch glorious heights. The department of dentistry established state of art dental outpatient services. The skin department procured multi-platform lasers while endocrinology established endo-oncology services. Spiral enteroscopy has begun to be offered by the gastroenterology department. The crowning glory this year has been the newly anointed state of the art 32 bedded Medical Intensive Care Unit that includes six stroke beds and two beds for haemodialysis. Palliative care services, interventional nephrology, a tissue bank, high digital radiography machines and 24 x 7 Cath lab that offers late night and emergency stenting, establishment of a private ward, 24x7 autopsy services, a cadaver OT and an Anaesthesia Intensive Care [AICU] are achievements that we are proud of.

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 we push forward after two years of the relentless onslaught of the COVID-19 disease, 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”.

A handwritten signature in cursive script, reading 'Sangeeta Ravat', written over a horizontal line.

Dr Sangeeta Ravat

Dean - Seth GS Medical College and KEM Hospital
January 2023

Editor's Note...



In the first month of 2023, 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 went wrong, where could we improve 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-2022.

The experience of putting this document together has been both humbling and enlightening. A huge thank you is due to Dr Sangeeta Ravat, Dean for her faith in me, her patience, vision and tenacity of purpose. This has helped shape the document. Gratitude is also due to heads of department and staff members for sending information. The editorial team [Shruti Bhide, Gita Nataraj] that helped me put the report together deserves sincere thanks. I owe a debt of gratitude to the students of my department- Ananya and Roopa for their untiring efforts at follow up and help with editing and formatting. 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 two weeks with utmost care; 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 gave it his all during 2022 come through and we look ahead to 2023 with new hope and zest.

A stylized handwritten signature in black ink, appearing to read 'Nithya'.

Nithya Gogtay

Editor In Chief – Annual Report 2022

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Seth G.S. Medical College & KEM Hospital

Seth G.S. Medical College & KEM Hospital

Vital Statistics

Sr. No.	Description	2022
1	Scheduled Beds	2,250
2	Total No. of Admissions	67,399
3	Daily Average of Admission	185
4	Total No. of New O.P.D.	6,05,612
5	Daily Average of New OPD	2,012
6	Total No. of Old O.P.D.	11,98,393
7	Daily Average of Old OPD	3,981
8	Total No. of attendance (New & Old)	18,04,005
9	Daily Average of OPD attendance (New & Old)	5,993
10	Total No. of Operations	65,590
	Major	33,022
	Minor	32,568
10a	Scopies	8365
11	Total No. of Deaths	6,172
12	Death Rate	11%
13	Total attendance in Casualty	1,63,641
14	Total No. of Medico legal cases	37,045
15	Total No. of In-patients days	5,06,678
16	Daily Average of Bed Occupancy	1,388 (62%)
17	Average of patients stay in ward (In - patient)	7.52
18	Total No. of Deliveries	6,226

Human Resources - Outline

Nursing staff

• Matron	001
• Sr. Assistant Matrons	003
• Sisters	107
• Sister Tutors	16
• Ward Assistants	012
• Theater Assistants	008
• Theater Superintendent	001
• Staff Nurses	890

Undergraduate Medical Students

• I MBBS	250
• II MBBS	243
• III MBBS (First Part)	246
• III Final year	186

Admissions

• MD	172
• MS	90
• Diploma	001
• DM	029
• MCh	020

Filled posts (Clinical, Pre-clinical, Para-clinical)

• Professors	106
• Associate Professors	168
• Assistant Professors	284

Junior Residents

• JR-I	254
• JR-II	261
• JR-III	255

Senior Residents

• SR-I	040
• SR- II	048
• SR-III	052

Other Residents

• House Officers	049
• Registrars	095
• Fellows	040

Achievements and Highlights

Achievements and Highlights

Anaesthesia

- The department trained 30 Paramedical students (Anaesthesia Technician) through the year.
- Faculty took part in various panel discussions and Chairing the sessions.
- The department is chosen to conduct a study on Remifentanyl & completed in the year, 2022.

Anatomy

- Faculty were appointed on Task force members by MUHS for developing Blueprint in Anatomy w.e.f. August 2022, Member, Divisional Level Human Organ Transplant Authorization Committee w.e.f June 2022
- Organised Dr. Shirwalkar general proficiency scholarship examination & Dr. Dhayagude drawing competition
- Staff members invited as Guest speakers/Chairpersons/Judge for Anatomy, Medical Education and Bioethics related sessions
- MBBS students participated and presented their posters in a Intercollegiate Anatomy Poster Competition 2022 organised by GGMC and Sir JJ Group of Hospitals, Mumbai in September 2022

Biochemistry

- Faculty delivered guest lectures on various topics at state and national level.
- Faculty were team members for “SECOND CERTIFICATE COURSE IN LABORATORY PRACTICES: A QUALITY APPROACH” held from 18th to 20th October 2022.

Cardiology

- Started a 24/7 program for emergency care of all heart attack patients
- Newer diagnostic modalities started like cardiopulmonary exercise testing. Strain echocardiography, 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.
- Complex interventions were performed in the cath lab, including Transcatheter Pulmonary valve Replacement, Transcatheter Aortic valve Replacement, neonatal BAV, BPV, coarctoplasty, coarctation stenting and PCI of left main coronary lesions, complex bifurcations, OCT, rotational atherectomy, physiologic (His bundle and Left bundle) pacing.

Cardiovascular and Thoracic Anaesthesia

- Dr. Sanjeeta Umbarkar is Associate Vice President of ACTA MUMBAI
- Anaesthesia administered for several complex interventional procedures performed InCath Lab – Transcatheter Aortic Valve Replacement, RVOT stenting, Transcatheter Pulmonary Valve Insertion, leadless pacemaker insertion.
- Complex CVTS procedures such as submitral aneurysm, ventricular septal rupture, debranching of aortic arch prior to TEVAR and their Perioperative care Foldex trial for Aortic Valve replacement, difficult airway cases due to presence of anterior mediastinal mass

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.
- Started Vascular Lab to train cardiac surgeons.

Clinical Hematology

- The Department runs International hemophilia training center and Comprehensive Hemophilia Care Center with 1250 patients of hemophilia registered in our institution for treatment. Prophylaxis is the standard of care.
- We have started prophylaxis to paediatrics patients and their parents have been trained to give factor infusion to their kids.

Clinical Pharmacology

- Addition of pharmacogenetics of azathioprine – services for TPMT from 3rd April 2022 and addition of TDM of Voriconazole and Paracetamol
- Two Pharmacovigilance 'Advanced Level Training' Workshops were conducted as a Regional Training Centre under the aegis of Pharmacovigilance Program of India (PvPI).

Community Medicine

- Dr. Gajanan D. Velhal authored the Technical report on COVID-19 vaccination in KEM Hospital.
- Dr. Vijaykumar Singh conducted Hands on training on Oral & Breast Cancer Screening for RMOs at Seth GSMC & KEMH.
- Faculty and residents bagged 8 awards.

Dentistry

- Fully renovated state of the art OPD with 5 electronically operated dental chairs and units catering to the dental needs and treatment of patients.
- Department provides advanced root canal treatment with specialized equipments like apex locator, rotary endodontics, paediatric dentistry.

Dermatology

- Newly installed Multi-platform LASER (Er-YAG, Nd-YAG Q-switch, IPL) in the department benefitting patients of various dermatological disorders like Acne scars, Hair reduction, Pigmentation.
- Newly installed Excimer for repigmentation of Stable Vitiligo patients.
- Installation of Audio-Visual Patient Education Programme in Skin OPD regarding common dermatological conditions, their prevention and skin care.
- Started research in collaboration with Microbiology department on management of scabies.

Endocrinology

- New course on Endocrine oncology has been started.
- Faculty made presentations at various national and international conferences.
- Faculty also chaired various sessions at conferences.

ENT

- Faculty had been course director and had participated in various panel discussions.

Forensic Medicine & Toxicology

- Inauguration of Special Cold Storage Facilities for Facilitating Cadaver Retrieval Training Workshops.
- Dr. Harish Pathak is Nodal Officer of ROTTO-SOTTO and In charge of One Stop Centre.
- Faculty chaired at various national conferences.

Gastroenterology

- Chosen as centre for training in hepatology- Interventional radiology fellowship by INSAL
- Third space endoscopy services in the form of POEM procedures and ESD procedures.
- Capsule endoscopy services, Spiral enteroscopy services started in collaboration with Olympus.
- Dr. Akash Shukla is Nodal officer COE of Rare Disease

General Surgery

- Jan Mohammad Theatre (JMT) won the Best Operation Theatre Award.
- Faculty bagged Best video presentation award in State Conference (MASICON 2022) Anatomic dissection in Achalasia Cardia.
- Faculty Organised four cadaveric workshops in 2022 on Abdominal Wall Reconstruction (AWR). Training around 50 surgeons in Complicated Ventral hernia repair.
- Faculty participated as ATLS instructor for two programs in 2022.

Medicine

- Renovated 32 bedded MICU was inaugurated on 29th September 2022 by AMC (WS) Dr. Sanjeev Kumar. It includes dedicated 6 beds for stroke ICU and 2 beds with hemodialysis facility. Procter and Gamble and Tata trust supported this venture by donating equipment and logistic support.
- Headed by:- Dr. M Y Nadkar, Dr. Nitin Sarate
- Palliative care OPD Services started every Thursday 8:30-10:30AM in collaboration with Department of Community Medicine, Headed by Dr. Kaustubh Salagre.

Microbiology

- Successfully renewed NABL accreditation for all tests including those pertaining to COVID-19 detection.
- Successfully cleared TB Culture DST (first and second line anti-TB drugs) certification by Central TB Division.
- Successfully participated and cleared EQAS by national bodies for bacteriology, mycology, parasitology, serology, virology and immunology, CBNAAT (TB), SARS-CoV-2).
- Various audits pertaining to Infection Prevention and Control Practices were conducted including Hand Hygiene, BMW management, Device associated Infections (D.A.Is)

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.
- International Board Certified Lactation Consultant course was conducted in KEM Hospital for the first time by Department of Neonatology in collaboration with BPNI Maharashtra in August 2022.

Nephrology

- Service of Intervention Nephrology have been extended to include Operation Theatre for AV Fistula creation.
- 23 Live related renal transplants and 2 deceased donor renal transplants were done in 2022. All the patients are doing well with functioning graft.
- Dr Divya Bajpai is associated with Kidney warrior's foundation

Neurology

- Successful 654 surgeries completed under Comprehensive Epilepsy Care Centre in Collaboration with Neurosurgery, Neuropsychology, Psychiatry, Neuroradiology and Nuclear Medicine departments since 2001.
- Faculty and residents bagged 4 awards at various national conferences.
- Performed fast deep brain stimulation surgery in collaboration with Neurosurgery.

Neurosurgery

- National level neurosurgical conference ‘Tribute to great teacher’ held on 8-10 Nov. 22 at Department of neurosurgery
- First endoscopic excision of mucormycosis in covid pandemic
- Lectures and debates (10/11/22) on current topic related to neurosurgery with endocrinologist, physiotherapist and guest faculties of Mumbai

Nuclear Medicine

- Started DOPA PET CT (for diagnosis of movement disorders)
- Started NOTA Octrotide PET CT for diagnosis of neuroendocrine tumors
- Introduction of many PET/CT related investigations like Whole body PET/CT, Limited body PET/CT, Cardiac PET/CT, Brain PET/CT.

Occupational Therapy

- Ours is the first school of Occupational Therapy in Asia. Established in 1950, this school is recognized by ‘World Federation of Occupational Therapy
- Along with in-patient care the department offers services to the outpatient departments catering to patients from different specialty areas like - Orthopedic, Psychiatry and Child Guidance Clinic, Learning Disabilities, Drug De-addiction etc.

Obstetrics & Gynaecology

- Various sessions for women's health, menstrual hygiene awareness were conducted by faculty.
- Osteoporosis awareness sessions were held.

Ophthalmology

- Our department is the only civic / government run hospital with well equipped VEP/ ERG machine and to run a paediatric ophthalmology clinic every wednesday 8 am to 10 am
- Use of double frequency ND- YAG laser for management of posterior capsular opacity peripheral iridotomy, selective laser trabeculoplasty.
- Use of cross linking machine for treating corneal ectasias like keratoconus

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 2022 such as: Shoulder Course, Trauma Course, Spine Course, BOS hand course, Hip experia symposium of hip arthroplasty, Knee Course and Cadaveric course

Paediatrics

- Dr. Sunil Karande & Dr. Milind S. Tullu are Members of Expert Committee for initiation of Antimicrobial Stewardship Program (ASP)
- Faculty Dr. R.K. Vaswani, Dr. Mamta Muranjan, Dr. Yogesh Mokase participated for SIPHAP (Spinraza Individual patient humanitarian access program) for SMA patients, 1st program of this type in India.
- Faculty organised various workshops. They were panel members and resource personae for various scientific events.
- Faculty are holding responsibility as editors of various prestigious journals like Journal of Postgraduate Medicine, European Journal of Human Genetics, Journal of Pediatric Intensive Care

Paediatric Anaesthesia

- Use of ultrasound incorporated for accurate placement of epidural and caudal catheters during regional blocks in neonates and infants.
- USG guided Central Line Services and care bundle introduced to prevent catheter related bloodstream infection in IPCU, EPR, Burns Ward and Pediatric Surgery ICU and OT.
- Dr Raylene Dias delivered International Lecture in Asian Society of Pediatric Anesthesiologists (ASPA) 2021 in Singapore on 13th November 2021 in Pediatric Trauma Track

Paediatric Surgery

IAPSCON 2022, Goa National conference following papers were presented.

1. Study to assess effects of intra-peritoneal retained cut suture ends in Wistar rats.
2. Thoracoscopic management of Corrosive esophageal strictures.
3. Posterior urethra polyp case series.

Pathology

- 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.
- Upgradation of Immunohistochemistry (IHC)
- Program for Hematology with AIIMS Delhi, lipid and enzyme biochemistry with CMC Vellore and Randox Laboratories, UK, and Cytopathology with Tata Memorial Hospital.

Pharmacology & Therapeutics

- Faculty members and postgraduate students bagged 12 awards for paper presentations at different national/regional conferences held this year.

- Various workshops on GCP, research ethics and regulations in clinical trials 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

- Staff members of the department were invited as Guest speakers for Physiology, Medical Education and Bioethics.
- The staff members of the department are also involved in various research activities both in Physiology and in Medical Education.

Physiotherapy

- Mariya Jiandani Received the prestigious Fellowship Award by Indian Association of Physiotherapist
- Dr Swati Paranjpe awarded Doctor of Philosophy (PhD) on 2nd May 2022 in Interdisciplinary Faculty; SNDT University in "Educational Technology". Thesis titled "Effectiveness of Peer-led Approach to Case-based Learning in Physiotherapy Education with respect to Composition of the Groups" under guidance of Dr. Madhavi Dharankar (PhD)
- Dr Jyotsna Thosar completed International certification course on Bioethics and human rights in medical and healthcare
- Dr Jyotsna Thosar was the part of Rehabilitation of First Successful Hand Transplant.

Plastic Surgery

- Prof. Vinita Puri was honored with the Tyag-murti Mata Ramai Bhimrao Ambedkar Award – 2022 in March 2022 and the Acharya Sushrut Award at the Pillars of Hindutva Conclave on 10th December 2022 for patient care activities at KEM.
- The first Hand transplant in Maharashtra in a public hospital completed a year in August 2022.
- Prof.(addl.) Kapil S. Agrawal was honored by Maharashtra Anmol Charity trust for doing excellent work in the field of Aesthetic Plastic Surgery in a BMC Hospital on 18th December 2022.
- Set up the Tissue Bank at KEM with collaborative help of ROTTO SOTTO and BMC and financial help from NOTTO and grant from Jewellex India.

Psychiatry

- DTCs under RRCC: Department of Psychiatry is a Regional Resource and Coordination Centre (RRCC) under DTC scheme. Started in November 2014 under the aegis of Ministry of Health and Family Welfare, GOI.
- The objective is to enhance de-addiction services in India :Free drugs under scheme: T. Disulfiram, T. Naltrexone, T. Buprenorphine, Syp. Methadone DTCs under RRCC, KEMH are DTC KEMH, DTC Bhardawadi, DTC Rajawadi, DTC GT Hospital, DTC Osmanabad, DTC Dhule, DTC Nagpur, DTC Surat, DTC IMH Chennai, DTC Hyderabad & DTC MH Indore.
- HITGUJ Mental Health helpline: is set up by MCGM in response to growing acute stress level in people of Mumbai city. Hitguj is not only accessed in Mumbai but also by Maharashtra and all over India.

Pulmonary Medicine

- Controlled radial expansion with balloons as therapeutic intervention for tracheal and bronchial stenoses successfully done by Interventional Pulmonology Team led by in-charge of Interventional Pulmonology Division, Dr. Pratibha Singhal (11 procedures) resulting in resolution of symptoms and objective improvement in lung function parameters.
- Management of post-COVID complications and sequelae in intensive care, ward and on outpatient basis.
- Health education initiative for improving indoor air quality in households of patients with chronic respiratory disorders through EPRC.
- Continuing Medical Education on 'Role of Medical Colleges in TB elimination' on 29th November 2022.

Radiology

- Two High End Digital Radiography X-ray (DR) and Six Computerized Radiography X-ray (CR) machines have been installed this year. Facility of DR Fluorcopy for Barium study exists.
- The USG Section is now being managed with new 2 Nos. State of Art High End Ultrasound Machines and 4 Nos. Midrange Ultrasound Machines.

- The 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.
- Endovenous Laser Therapy (EVLT) is done here to treat patients with varicose veins.
- Peripheral Vascular and Neurovascular Minimally Invasive Interventions are carried out on a Bi-planar DSA machine.

Surgical Gastroenterology

- Dr Chetan Kantharia took charge of Post of Hon Secretary of Indian Chapter of International Hepato Biliary Pancreatic Association & has been appointed as Fellowship Member of Board of Studies of ACRSI
- Dr Sharvari Pujari was bestowed as Distinguished women Surgeon by the Women Surgeons Association
- Faculty addressed at various national and international conferences, CMEs (IHPBA) and Courses like IHPBA Instructional Course.

Transfusion Medicine

- Initiated a postgraduates course in Transfusion Medicine, leading to the award of M.D. in Immunohaematology and Blood Transfusion for the first time in Mumbai with annual intake of 2 students since July 2010 and 10 batches of M.D. students have passed out till date.
- Dr. Jayashree Sharma has been appointed as a member of “ Expert Working Group – Blood and Blood Related Products “ of Indian Pharmacopoeia since 19/7/2022.
- Automated ELISA processor is now being used for testing of Transfusion Transmissible Infections

Urology

- The department has started offering 3D laparoscopic procedures
- The department has a state of art Dornier Lithotripter and caters 560 patients every year
- Panel discussion : Problems in donor authorization committee. KTCON, Aurangabad, 25 November 2022
- Panel discussion : Donor authorization Committee, ISOT, Nagpur, 13 oct 2022
- Oration : Complications of PCNL in CRF patients : The flow and The ebb, Brisbane, 12 July 2022, UAA Australia

Awards and Honors

Awards and Honors

Anaesthesia

- Won 1st prize for poster presentation at annual BNA meet (bombay neurosciences association) on 24.04.2022 – ‘Ruptured giant complex aneurysm: challenges for neuro-anesthesiologist’. Dr. Archana Sharma.
- Won 1st prize in neurosciences quiz competition at annual BNA meet (bombay neurosciences association) on 24.04.2022. Dr. Archana Sharma.
- Won 1st prize for poster presentation at academic annual meet (association of neuroanesthesiology and critical care) in hinduja hospital mumbai on 25.09.2022 – ‘A rare case of west syndrome’. Dr. Archana Sharma.
- Won prize for best case report in ‘ISA Paper Presentation Competition’ (MD/DNB Resident Category) at GSMC & KEM Hospital. Held on 23rd September, 2022 by ISA, Mumbai Metro Branch in association with Dr. G. S. Ambardekar Anaesthesia Society & Dept. of Anaesthesia, GSMC & KEM Hospital. Dr. Arathy P.
- Won 2nd prize for ‘KAUN BANEGA AIRWAY CHAMP’ Quiz Competition (MD/DNB Resident Category) at GSMC & KEM Hospital. Held on 3rd December, 2022 during the TMC National Conference on the Difficult Airway at TMC, Mumbai. Dr. Mangalagauri Bhatt and Dr. Susmitha B.

Anatomy

- Dr. Rashmi Avinash Patil and Dr. Praveen B Iyer bagged second position in poster presentation for the poster titled “Standardization of Practical Microanatomy in CBME Curriculum: A Pilot Study” at REMEMBRANCE MEET’ organised by Department of Anatomy, MGM Medical College, Navi Mumbai on 15.10.2022

Cardiovascular and Thoracic Anaesthesia

- Kabeer award to Dr. Jitendra Ramteke – passed with distinction (For 1st position in FIACTA exam conducted by ICCA)
- Dr. Ramprasad Chavan has received the FIACTA fellowship in September 2022.
- Dr. Aseem Gorgava Rank 1 DrNB Cardioanaesthesia conducted by NBE, New Delhi
- Shyam Sundar Sarkar Gold Medal awarded to Dr. Jitendra Ramteke (For 1st position in DM Cardiac Anaesthesia)
- FICA (Fellowship of Indian College of Anaesthesiologists) awarded to Dr. Sanjeeta Umbarkar.

Cardiovascular and Thoracic Surgery

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

Clinical Pharmacology

- Second prize for oral presentation: Dr. Bhaskar Krishnamurthy (Assistant Professor) has won the 2nd prize in the oral presentation category for the paper ‘Economic analysis of renal transplant services in a tertiary care hospital’ at the 14th Annual Conference of the ‘Indian Society for Rational Pharmacotherapeutics’ (ISRPTcon) in Hyderabad from (10th – 12th of November 2022).

Community Medicine

- 1st prize oral paper presentation at 10th Annual Conference of ISCCM Maharashtra
- Dr. Kritanjali Sahu 2nd prize in AFMC Pune for paper presentation
- 3rd Prize in National level essay competition, organized by dept of Community Medicine, GMC Miraj, on the occasion of World TB Day 2022. 3rd Prize in Microteaching in IAPSM 3rd Young Pioneer conclave 2022 (Online competition).
- Dr. Neha Shet: Best paper in Geriatric health category at IPHACON 2022: Title - Assessment of palliative care needs and health related quality of life amongst ESRD patients in a tertiary care hospital.
- Dr. Tanvi Pinto : 2nd place at the IAPSM Postgraduate student Debate conducted in connection with No Tobacco day.
- Dr. Sagar Padhye: 2nd Place in the Essay Competition held on Occasion of International Day of Older Persons. Organised by Seth GSMC and KEMH.
- Dr. Simon Peter : 3rd Place in the Essay Competition held on Occasion of International Day of Older Persons. Organised by Seth GSMC and KEMH.
- Dr. Amit Bhondve : 1st prize oral paper presentation at 10th Annual Conference of ISCCM Maharashtra.

- Dr. Kosturi Dakshit: 3rd Prize in National level essay competition, organized by dept of Community Medicine, GMC Miraj, on the occasion of World TB Day 2022. 3rd Prize in Microteaching in IAPSM 3rd Young Pioneer conclave 2022 (Online competition).

Dentistry

- Dr Nanda Pai (HOD and Professor) was invited as chairperson for a scientific session for 46th Annual Conference of AOMSI held at Indore in November 2022.
- Dr Nanda Pai (HOD and Professor) was invited for judging UG paper presentation at International Interstellate 2022 held at Nair Dental College, Mumbai.
- Dr Bhagyashree Deshmukh (Assistant Professor) awarded as New Practitioner of the year and nominated as Specialist dentist of the year (Pediatric Dentist) for Famdent Excellence awards in dentistry

Dermatology

- Dr Prachi Gole- DJ Patil Award for Oral presentation on “Enigmatic Presentations of Hypercoagulable states” in Cuticon 2022.
- Dr. Dipali Rathod awarded
 1. Secured 1st position in the Innovations by Young Turks Session, at CDSI, 25th Annual Congress of Cosmetic Dermatology Society (India), June, 2022
 2. Global Education Award, 2022 by International society of Dermatology, Mexico City
- Dr Tejas Vishwanath-Winner of SODC quiz.
ILC scholarship recipient for free paper presentation titled “Histological features of pediatric leprosy in a tertiary care institute” December 2022
- Dr Farida Kapadia-Gold Medalist and University topper in MUHS MD Examinations 2022.
- Dr Meghana Rane-1st runner up in Haircon PG Quiz 2022, Indore.
- Dr Avani Shah- 1st in zonal round (West zone) of Torrent young scholar award 2022
2nd prize in Pigmentary Con Quiz 2022 and 2nd prize in Cosderm India award paper.
- Dr Aparna T-Received Gold Medal at AMALA Quiz with a Cash prize of Rs.75000, Qualified for Tysa quiz zonal round.
- Dr Swati Prasanna-Second prize in pigment quiz in Pigmentarycon Mumbai 2022
IADVL scholarship in ILC 2022 for oral free paper presentation.
- Dr Snehal Chopade and Dr Pooja Golwad- 3rd prize in International Leprosy Congress quiz 2022 Hyderabad

Endocrinology

- First prize in poster presentation: ENDO Update 2022 to Dr Anima Sharma
- First prize in poster presentation: ENDO Update 2022 to Dr Chethan Y
- Runner Up in Poster Presentation: ENDO Update to Dr.Divya

Forensic Medicine & Toxicology

- Dr. Ravindra Deokar secured All India First Merit Rank in Diploma of Local Self Government & Services Examination 2022

Gastroentrology

- Best SOTTO award
- Best ROTTO award
- ENDOCON 2022- best poster award.
- Presidential poster in ISGCON 2023

General Surgery

National Surgical Conference (ASICON 2022)

- Dr Adesh Solanki - Senior Resident 1st prize Best Free Paper for “To study the impact of COVID 19 on the acute abdominal emergencies”
- Dr Smruti Shrinivasan - Senior Resident won first prize for presenting a paper on “Study of association between surgical delay and post-operative outcome in patients with perforation peritonitis “ under the guidance of Dr V.M. Kulkarni

- Dr Shwetambari Ingawale Third year Resident 2nd prize Poster Presentation for “Presentation of ruptured GIST as hemoperitoneum”
- Dr Shwetambari Ingawale Third year Resident 2nd prize Dr C Palanivelu Best PG paper “Evaluation of management of various grades of acute cholecystitis at a tertiary care centre during index admission”
- Dr Snehal Deotale Senior Resident 1st prize Best Free Paper “E-TEP with limited dissection for umbilical hernia-Our initial experience”
- Dr Pramod S Third year Resident 1st Poster Presentation “Chylous Ascites and Chylothorax -rare complications post LSCS and Diagnostic Laparoscopy”
- Dr Aniruddh Dhar Second year Resident 3rd prize Poster Presentation for “Gallstone Ileus-A dilemma in a case of recurrent intestinal obstruction”
- Dr Devashree Sane Senior Resident 2nd prize Dr C. Palanivelu Best Faculty Video
- “Double diaphragmatic hernia-Simultaneous occurrence of Morgagni and Paraesophageal Hernia”
- Dr Rahul Uikey Third year Resident 2nd prize Best Free Paper “Prevalence of sarcopenia in Gastrointestinal malignancies”
- Dr Ria Nirhali Third year Resident 1st prize Dr C. Palanivelu Best PG Paper “Surgical management of cholangiocarcinoma: liver resection vs liver transplantation, A systematic review”
- 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

- Best Publication Award to Dr Sushrut Ingawale at American College of Physicians Conference (ACPCON) India Chapter 2022 for the publication “Real World Evidence Clinical Study of use of Remdesivir and Tocilizumab in Severely ill COVID-19 patients”
- Dr Santosh Salagre was felicitated with Covid Yoddha Award by Lok Seva Sangh, Naigaon, Mumbai on 3rd July 2022

Microbiology

- Dr.Chaya A. Kumar has received an award for exemplary contribution towards development & activities of Medical Education Unit, LTMMC & GH, Mumbai.
- State Chapter conference (MahaMicroCon 2022) Best oral paper in Virology Role of CD4 count estimation in the era of HIV viral load among PLHIV - Ranjana Thate, Nayana Ingole, Shashir Wanare, Vaishali Surase, Kavita Joshi, Shrikala Acharya, Gita Nataraj.
- Second prize in poster session Mayuri Barua, Pallavi Surase, Shashir Wanjare, Gita Nataraj. Subcutaneous phaeohyphomycosis by an emerging fungus – *Rhytidhysteron rufulum*, a case report
- MDACS: Best employee award by MDACS to Ms. Tejaswini Parmar (Technical Officer) and Ms. Rupali Deshmane (CD4 technician)

Neonatology

- Dr.Ruchi Nanavati has been National faculty for Palliative Care certificate course of Indian Academy of Paediatrics.
- World Breastfeeding week celebration: Dr. Omkar Nerurkar won the first prize in Breastfeeding slogan competition during world breastfeeding week celebration organized by Mumbai Breastfeeding Promotion Committee.
- Dr. Anitha Haribalakrishna is Nodal officer for Pain and palliative care project in collaboration with TATA Memorial Hospital, funded by Cipla Foundation

Nephrology

- Dr Nikhil Rao won 2nd prize at the PG Quiz at ISN West Zone – Oct 2022
- Dr Ankita Patil Won the young Investigator Award at ISN Frontiers 2022
- Dr Divya Bajpai received a sponsored invitation for participating in KDIGO Controversies Conference for making guidelines on Women and Kidney Disease at Greece in feb 2023
- Dr Nikhil Rao won 2nd prize at the PG Quiz at ISN West Zone – Oct 2022 Awards and honours –
- Dr Divya Bajpai got selected as “Emerging Leader – 2022” by International Society of Nephrology
- Dr Ankita Patil Won the young Investigator Award at ISN Frontiers 2022

Neurology

- Dr. Sangeeta Ravat: Awarded prestigious FIAN fellowship at IANCON October 2022 in New Delhi.
- Dr. Sangeeta Ravat & Dr. Parthvi Ravat: Organized epilepsy journal club for IAN Epilepsy subsection on 18th December 2022 for landmark paper by first author Prof. Lawrence J. Hirsch Prof. Neurology Yale university school of medicine, USA.
- Dr. Parthvi Ravat (Asst. Prof): Won best award paper at National Conference: Neuroequilibrium Society of India, NESCON 2022, New Delhi for “Myths of Positional Vertigo: A Neurologists’ Point of View”
- Dr. Parag Maheshkar (3rd year resident): Won best resident paper award at annual BNA meeting 2022 for “Referral trends in Epilepsy: A study from Western India”.
- Dr. Shivani Rath (Senior Resident): Won 1st prize in Movement Disorders Quiz at Movement Disorders Update Varanasi December 2022
- Dr. Koustubh Bavdhankar (3rd year resident): Won 2nd prize in Movement Disorders Quiz at Movement Disorders Update Varanasi December 2022

Neurosurgery

- Prof Aadil S Chagla received Honor as an orator in Walter Dandy Neurosurgical student club, Bengaluru held in November 2022

Obstetrics and Gynecology

- Dr. Supriya Kamath 2nd prize in Poster Presentation AICC –RCOG 2022
- Dr. Parimal Udupurkar 1st prize in Paper Presentation AICC-RCOG 2022
- Dr. Ishwari Deshpande 1st prize in Case Presentation POGS Conference
- Dr. Madhura Mandlik Best Resident Award KEMH
- Dr. Ayushi Kanoi 1st prize in Paper Presentation (INTERESTING CASES) AICC RCOG 2022
- Dr. Apurva Gandhi 2nd prize in poster presentation in MOGS SHARP Global Gynecology Conference September 2022
- Dr. Shalini Pandey 1st prize in paper presentation in MOGS SHARP Global Gynecology Conference October 2022
- Dr. Mukulika Sharma 1st prize for interesting case presentation at MOGS Sharp

Ophthalmology

- MOSCON paper presentation winner in community of ophthalmology / oculoplasty – dr. Supriya tadkase
- Nominee in Golden hands awards held in Laxmi Eye institute Panvel – Dr Zhara Kothawala
- Dr. Gunjan Shah won microvision AIOC quiz 2022.
- Dr. Supriya Tadkase won Best paper at MOSCON 2022 titled, ‘Is Poor performance always due to poor surgical Skills’.

Orthopaedics

- Dr. Swapnil A. Keny – 2nd Prize in Indian Arthroplasty Association (IAACON) 2022 best medal paper award.
- Dr. Yash Ved & Dr. Arjit Vashishtha win MOA State level quiz 2022.

Paediatrics

- Dr. Milind S. Tullu: Citations Awarded/ Nominated (Biographical Note): “Marquis Who’s Who in the World 2022” (Marquis Who’s Who, USA).
- Chowdhry R. A longstanding case of juvenile dermatomyositis presenting with calcinosis cutis. TRINITY 2022 (An International Medical Students Conference) organized by L.T.M. Medical College & L.T.M.G. Hospital, Sion in affiliation with MUHS (Maharashtra University of Health Sciences) from 31st May to 2nd June 2022. [Poster was awarded Second Place/ Prize]
- First prize: Gupta A, co-author – Muranjan M. A study of barriers to prenatal diagnosis of genetic diseases in children at Awesome Embicon 2022, 23rd annual conference, September 25, 2022.
- Second prize: Gade S, co-authors- Muranjan M. Single gene characterization of 24 Maharashtrian patients at Awesome Embicon 2022, 23rd annual conference, September 25, 2022.
- Dr. Milind Tullu: Jain S, Tonge R, Manavi KM, Tullu MS, Agrawal M. Disseminated Tuberculosis with Hemophagocytic Lymphohistiocytosis in a Case of Severe Combined Immunodeficiency (SCID). 23rd Annual Conference of Indian

Academy of Pediatrics, Mumbai (AWESOME EMBICON 2022) at College of Physicians & Surgeons (CPS) in Mumbai on 25th September 2022. [Awarded First Prize for Poster Presentation].

- Dr. Ratnapriya Chowdhry: Intercollegiate Pediatric Cardiology Quiz at BJ Wadia Children's Hospital (across Mumbai hospitals in February 2022)- 3rd prize.
- Dr. Ratnapriya Chowdhry: Intercollegiate IAP Quiz on Malaria (across Mumbai hospitals in May 2022)- 1st prize.
- Dr. Ratnapriya Chowdhry: Inter Collegiate Breastfeeding quiz at BJ Wadia Hospital (across Mumbai hospitals in July 2022)- 4th position.
- Dr. Ratnapriya Chowdhry: "Thrombosis" quiz by Dept of Hematology, KEMH- for postgraduates across Medicine, Pathology and Pediatrics specialities in November 2022- 4th position.
- Dr. Radhika Ramesh and Dr. Ratnapriya Chowdhry represented Seth G.S. Medical College & KEM Hospital and were Awarded Second Place in the Divisional Round of Postgraduate NNF Quiz in Neonatology-2022 conducted at LTMMC & LTMGH, Sion, Mumbai on 19.09.2022.
- Dr. Milind S. Tullu: Tullu MS. Awarded special Certificate of Honor on International Day of Persons with Disabilities (IDPD) (3rd December 2022) by Medical Social Worker Department, KEMH for services rendered for patient care at KEM Hospital, Mumbai.
- Dr. Radhika Ramesh: Awarded the Dr JR Kamat Award for Best Pediatric Resident, 2022 (Award to be given Seth G.S. Medical College Foundation day in Jan 2023).
- Dr. Rahi Sanap: Nominated from Department of Pediatrics for "Best Resident Award" to be given on Seth G.S. Medical College Foundation day in Jan 2023.
- Dr. Tushar Ambedare: IAP, Mumbai poster competition on awareness about Diarrhea, ORS and Zinc- 1st prize (July 2022).
- Dr. Tushar Ambedare; IAP, Mumbai poster competition on breastfeeding- 1st prize (August 2022).
- Dr. Rahi Sanap: IAP, Mumbai poster competition on awareness about Diarrhea, ORS and Zinc- 3rd prize (July 2022).
- Dr. Ratnapriya Chowdhry: IAP quiz on Down's syndrome (in March 2022)- 3rd position in KEMH.

Paediatric Anaesthesia

- Dr Vishal Saxena (2nd year DM Resident) won 1st prize for poster presentation "Erector Spinae Block in paediatric VATS: A case series" at the IAPA mid-term conference conducted on 5th September
- Dr Udit Parmar (2nd year DM resident) presented poster on "Microcuff tubes in neonates: Do we know the safe cuff pressures." At IAPA Maharashtra CME held at Wadia Children Hospital Mumbai on 3rd Oct

Paediatric Surgery

IAPSCON 2022 presentations

- Study to assess the effect of intraperitoneal retained cut suture ends in Wistar rats.
- Thoracoscopic management of corrosive oesophageal stricture.
- Posterior urethral polyp case series.

Pathology

- Poster 1st Prize at APCON 2022: Primary signet ring cell adenocarcinoma arising in exstrophy of urinary bladder. Nupur Harinkhede, Gwendolyn Fernandes, Gloria Khumanthem, Amey Rojekar
- Oral Paper 1st prize MAPCON 2022: Hematopathology: An Autopsy Study of Hemolytic Anemias Sayan Boral, Daksha Prabhat, Tejaswini Waghmare, Pradeep Vaideeswar.
- Poster 1st Prize at MAPCON 2022: A Very Unusual Neck Swelling in A Child! Tejas Patil, Mona Agnihotri, Pragati Sathe, Kanchan Kothari
- 1st Prize of PG Quiz at MAPCON 2022: Dr Sayan Boral
- Institutional Third (3rd) Prize in Slide Seminar - at MAPCON 2022

Pharmacology & Therapeutics

- 2nd prize - Kesari HV, Marathe PA, Kamat SK, Karekar SR, Chitnis KR, Prabhu M, K Murugananthan, Gokhale P, Jadhav S. "Knowledge, Attitude and Practices regarding Assessment of Risks and Benefits of Proposed Clinical Research Studies by Ethics Committee Members: A Questionnaire-based Study". At ISCR-2022 (virtual platform) on 26th Feb 2022.

- 1st prize - Dr Yashashri Shetty, Dr Prajakta Auti. "Onsite SAE Reporting: Seven Year Experience of Institutional Ethics Committee of a tertiary care hospital" at ISCR 15th online Annual conference at Mumbai, 26th February 2022.
- 1st prize - Ayesha Shah Aspire, in 6th Annual Sri Ramachandra Pharmacology insight & rapid review course- Aspire 2022 (National conference) Chennai, 26th February 2022.
- 1st prize - Patankar P, Marathe P, Havaladar H, Nair A, Mane A; Evaluation of antidepressant effect of Potassium clavulanate in C57BL6N mice using learned helplessness model; in 6th Annual Sri Ramachandra Pharmacology insight & rapid review course- Aspire 2022 (National conference) Chennai, 26th February 2022.
- 2nd Prize for Shruti Bhide, Snehal Ambre, Saurabh Patil, Renuka Munshi, Neha Kadhe, Chetan Phirke, Amitoj Sohal, Sudhir Pawar, Ruchita Patil, for paper, To assess knowledge and awareness about academic clinical trials among investigators at 9th National Conference of FERCI held at Pramukhswami Medical College, Bhikaka University, Karamsad, Gujarat from 10-12 November 2022.
- 2nd prize - Aithal Y, Shetty YC. "Metronomic chemotherapy in cancer-systematic review". At ISCR-2022 (virtual platform) on 4th Feb 2022.
- 1st prize - Phirke CN, Bhide SS, Kothari Rahul. "Evaluation of the effect of Metformin on TNBS induced acute on chronic colitis in BALB/c mice". At PharmaQuest, 5th August 2022 held at Vydehi Institute of Medical Sciences and Research Centre
- 2nd place (e-poster): Harshitha. "Importance of Clinical trials in Human Health care solutions" held on occasion of International Clinical trial day 18th May 2022 celebrations by clinisol Pvt Ltd.
- 1st prize - Yash Kamat, Yashashri Shetty, Ankita Kulkarni titled "Overview of ethics committee registration and re-registration with the department of health research in India" Swaastika 23rd September 2022, TNMC and BYL Nair charitable hospital, Mumbai.
- 1st prize - Shirish S Joshi, Amitoj Sohal, Pranali Puradkar. "An experimental study to evaluate the antidepressant effect of Zileuton and aqueous extract of Phyllanthus emblica in unpredictable chronic mild stress induced depression in Albino mice" – InTPCON, 10th December 2022.
- 1st prize for debate competition - Pooja Redkar, Ankita Kulkarni, Ajinkya
- Parhe, Sujeet Bhilwade, National Pharmacovigilance Week at LTMMC & Sion
- Hospital, 26th September 2022.
- Best speaker for debate competition - Pooja R, National Pharmacovigilance Week at LTMMC & Sion Hospital, 26th September 2022.
- Second runner-up – Pooja R, Slogan Competition for National Pharmacovigilance Week at LTMMC & Sion Hospital, September 2022.

Physiology

- Best oral presentation prize awarded to Megha Nalawade¹, Sarita Dabba², Hemant Kanase², Dinesh Uchil², Sangam Narvekar¹, Mukesh Chawda¹, Nirmala Rege, in the session on 'Ayurveda for Public Health' for 'Effect of vishesha shodhit guggulu vis-a-vis diclofenac on small intestinal mucosa.' at the 9th World Ayurveda Congress (WAC) & Arogya Expo, Punjim, Goa from 8th- 11th December 2022.

Physiology

- Kshitij Dnyanadev Pawar, I MBBS student, Seth G.S Medical College was awarded the Clemintana Disa Scholarship, K.G. Munsif Memorial Scholarship Master Sudhir Bantwal Memorial Prize Dr. R.H. Karmarkar book award for standing first in 1st M.B.B.S in university exams amongst students of Seth GS Medical College.
- Mr. Amey Abhijit Ambike of I MBBS student, Seth G.S Medical College was awarded the "Dr. Sanjeev G. Ghodke Scholarship Dr. J.B Dharani Scholarship The Lalji Narayanji Scholarship" for securing first place in Physiology in university exams amongst students of Seth GS Medical College
- Miss Gayatri Inamdar of I MBBS student, Seth G.S Medical College was awarded the "Kesarbai Kerkar Prize" for female student securing highest number of aggregate marks in Anatomy, Physiology & Biochemistry in university exams amongst students of Seth GS Medical College
- Miss Gayatri Sachin Inamdar "Malik & Goswami Family Award", I MBBS student, Seth G.S Medical College was awarded for standing 1st at University examination amongst female students of Seth GS Medical College
- Mr. Maurya Patel I MBBS student was awarded "Dr. Shirwalkar Competitive Examination Award" for scoring highest marks in Anatomy, Physiology & Biochemistry.

Physiotherapy

- Kinjal Lapasiya, Bhoomi Maru: LNMA special merit award 2021-22 & 2022-23 and Prince merit award 2021-22 & 2022-23.
- Hrishikesh Jadhav, Shivani Parikh, Aditi Shah, Aashna Shah, Aayusha Jogi, Sakina Lightwala secured TATA Trusts Merit Scholarship 2021-22
- Dr Mariya Jiandani Received Fellowship Award from Indian Association of Physiotherapist at Kolkatta 2022
- Dr Mariya Jiandani Received SOLVE CHD scholarship and Completed Certification in Cardiac Rehabilitation with International Council of Cardiovascular Prevention and Rehabilitation.
- Dr Mariya Jiandani Nominated as President of The Society of Cardiovascular and Pulmonary Rehabilitation
- Dr Lakshmiprabha Rangrajan D, Bhagyashree Hazare, Presented our paper as an E-Poster titled “Association of Patient Perceived Quality of Life, Depression and Duration with Severity of Facial Paralysis in subjects with Lower Motor Neuron Facial Palsy” at the 10th Annual conference of Indian Federation of Neurorehabilitation, Recent Advances in Neurorehab, On 22nd April 2022.
- Dr Lakshmiprabha Rangarajan D, Sneha Kini, won Third Prize for presenting our paper titled, “Effect of Random, Blocked and Mixed practice order on Upper Extremity Motor Learning in subjects with Parkinson’s Disease” at International Multidisciplinary Rehab E-Con, organised by MGM School of Physiotherapy, Aurangabad and Association of Clinical Neurology and Mental health on 26th February 2022.
- Nidhi Ranka and Chinmay Dode won runner up position in PG research quiz at MUHS Scientifica 2022

Plastic Surgery

- Prof. Vinita Puri was honored with the Acharya Sushrut Award at the Pillars of Hindutva Conclave on 10th December 2022 for patient care activities at KEM.
- Prof. Vinita Puri was honored with the Tyag-murti Mata Ramai Bhimrao Ambedkar Award – 2022 in March 2022
- Prof.(addl.) Kapil S. Agrawal was honoured by Maharashtra Anmol Charity trust for doing excellent work in the field of Aesthetic Plastic Surgery in a BMC Hospital on 18th December 2022

Psychiatry

- Dr. A. K. Naik Award 2022 was won by Dr Parul Uttarwar for presentation of the paper titled ‘COVID-19 vaccine hesitancy for children in parents : a cross sectional survey among healthcare professionals in India’.
- Third prize won by Dr. Neil Pawar and Dr. Anuradha Rathod in BPS QUIZ in October 2022
- Second prize for Poster presentation by UG at GHS summit organized by Global Association of Indian Medical Students at Hyderabad on 5th -7th Jan 2022. ‘A Study of Imposter Phenomenon in Medical Students and its association with personality’. Neena Sawant, Yash Kamath, Udit Bajaj, Krish Ajmera, Devansh Lalwani

Pulmonary Medicine

- Dr Tanya Athavale and Dr Rupika K. received the Late Mr. Trimbak Malekar and Dr Shailaja Trimbak Malekar Prize for standing first in M.D. Examination in Pulmonary Medicine in the years 2020 and 2021 respectively.

Radiology

- LINNC Paris 2022 May 30-June 1 2022- best case award to Dr. Rashmi Saraf for case of unilateral proptosis due to rare intra-osseous dural AV fistula of sphenoid wing by a novel percutaneous-surgical approach in a paediatric patient.
- Dr Armaandeep Singh Aulakh- won the “General Neurovascular Quiz” at AJNR- AIIMS Jodhpur Neuroradiology Update 17-18th Sept 2022.
- Dr. Swastika Lamture 1st prize in paper presentation at IRIA on ‘Role of Contrast Enhanced Voiding USG in Vesico-ureteric reflux’
- Dr. Swapnil Moharkar 1st prize in paper presentation at CT Buzz on
- Dr. Zubin Driver 1st prize in Grand TF meet in case presentations for second year residents
- Dr. Satyam Barchha 2nd prize in Grand TF meet in case presentation for third year residents on ‘A rare congenital cause of pancreatitis: gastric duplication cyst with accessory pancreatic lobe’
- Dr. Sana Khan 3rd prize in poster presentation at CT Buzz on ‘A rare congenital cause of pancreatitis: gastric duplication cyst with accessory pancreatic lobe’
- Dr. Sana Khan and Dr. Gautham MS won the third prize in Radaspire quiz

Surgical Gastroenterology

- Dr Burhan Kaydawala was awarded First Prize for his Scientific Paper on Histopathological and Radiological Changes in the anastomosed Ileum following IPAA for Ulcerative Colitis at MSSCON 2022 20/3/2022 in Bombay Hospital.
- Dr Nikhil Soni and Dr Govindraj Dessai, Dr Chetan Jain and Dr Praveen Kumar successfully completed their Certificate course of IHPBA

Transfusion Medicine

- Dr. Jayashree Sharma has been appointed as a member of “ Expert Group to Review and Revise the Existing National Blood Transfusion Council (NBTC) guidelines under Directorate General of Health Services (BTS/NBTC Section)
- 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

- Dr Sujata Patwardhan: WZUSICON 22-25 September 2022 – Gold medal in Urology
- Dr Kamlesh Singh: University examinations July 2022, MUHS Nashik - Gold medal in final exit exams
- Dr Gaurav Kumar Malvi: Chitale travelling fellowship quiz held at WZUSICON Nashik 2022- second prize, USI International travelling fellowship quiz 2022 – 8th rank

Community Care

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 Compression Only Life Support workshop for lay persons
- A part of CPR training in 'Apada Mitra' initiative by Disaster Management Cell.

Anatomy

- Body donation lecture at Pooj Sindhi Punjabi Panchayat Chembur in November 2022
- Organized and Conducted Street Play by Nursing students on Body Donation which bagged 1st prize in June 2022

Biochemistry

- Department staff provided logistics services for smooth functioning, managing the various COVID wards, and supporting KEM Hospital's clinical staff to better serve patients during the covid-19 pandemic.

Cardiovascular and Thoracic Anaesthesia

- COLS workshop for lay persons
- Mentor for DOSTI program for first year MBBS students.

Clinical Hematology

- Cuddles Foundation supports dedicated nutritionist trained in cancer nutrition works in hematology dept and this foundation provides nutrition supplement and ration to pediatric cancer patients.
- Cankids organization has started their support programme in the department of hematology their Medical social worker and counselor counsel
- Cancer awareness programme: Hemophilia Care patient awareness, Nutritional and Hygiene awareness and Awareness on Role of exercise and occupational therapy in leukemia patients

Clinical Pharmacology

- During the National Pharmacovigilance week in the month of September 2022, on 23rd September 2022, the Pharmacovigilance team of our department have created awareness of Adverse Drug Reactions among patients in Geriatric OPD at Kamgar Kalyan Kendra, Naigaon community centre along with Community Medicine Department.

Community Medicine

- Community Outreach Health Services
 - a) Services at Naigaon Health Centre:

NAIGAON UNDER-5 CLINIC: ANNUAL REPORT (Dec 21 to Nov 22)

AGE	NEW		OLD		TOTAL	MODERATE (Weight for age)	SEVERE (Weight for age)
	Mch	Fch	Mch	Fch			
0 to 1 yrs	93	91	60	57	301	42	11
1 to 3 yrs	11	13	12	13	49		
3 to 5 yrs	1	2	2	1	6		
TOTAL	105	106	74	71	356	42	11

- "POSHAN MAAH 2022" was celebrated on 13th September 2022

NAIGAON GERIATRIC OPD: Annual Geriatric OPD Report 2022

Age Years	New		Old		Total		Morbidity Profile		DM+ HTN	URTI	MSK	Others	Total
	M	F	M	F	M	F	HTN	DM					
Total	21	30	754	878	775	921	863	316	380	92	118	131	1855

- Celebration of International Day for Older Persons 2022 was done by Department of Community Medicine Seth GSMC AND KEM HOSPITAL on 13th October.

b) Services at Malvani Urban Health Centre, Malad (W)

The Urban Health Training Centre at Malvani serves 2.86 lakh urban slum population as a field practice area for Dept of Community Medicine. The centre provides:

- Daily OPD services of General OPD, Paediatric OPD, TB OPD, ICTC, DSRC OPD.
- Special services - Well Baby Clinic, Chronic OPD & Specialist OPD of Psychiatry & Skin.
- Lab services (blood sugar, sputum testing, Routine biochemistry, CBNAAT sample collection).
- National Health programs: National Tuberculosis Elimination Program, National AIDS control program (NACP), Maternal and child health program, Integrated Disease Surveillance Program.
- Training of PG residents & interns in Community Medicine.

MORBIDITY STATISTICS:

GENERAL OPD:

	CHILDREN		ADULT	TOTAL
	0-5 yrs	6-12 yrs		
MALE	3001	2625	5967	15193
FEMALE	2878	2638	18172	23688
TOTAL	5879	5263	27739	38881

SPECIAL OPDs:

OPD		No of patients
Psychiatry	New	121
	Follow-up	2179
	Total	2299
Skin	New	2416
	Follow-up	2316
	Total	4732

CHRONIC OPD (Geriatric care):

DISEASE	MALE	FEMALE	TOTAL
Hypertension	308	895	1203
Diabetes Mellitus	249	565	814
HT with DM	234	703	937
IHD	61	64	125
Total	852	2227	3079

NATIONAL TUBERCULOSIS ELIMINATION PROGRAMME (NTEP):

TYPES OF DIAGNOSIS		PULMONARY		EXTRAPULMONARY		TOTAL
	GENDER	DS TB	DR TB	DSTB	DRTB	
New	M	124	24	49	01	198
	F	168	37	106	09	320
Relapse	M	27	02	09	06	44
	F	22	03	14	02	41
Failure	M	02	00	00	0	02
	F	01	01	00	0	02
Total		344	67	178	18	607

INH prophylaxis	M	F	Total
No. of children started on INH prophylaxis among family contacts	62	67	129

NUTRITIONAL ASSESSMENT OF CHILDREN (POPD):

- Nutritional assessment is done for every child attending POPD as per Weight for age, weight for height.
- Moderately acute malnourished (MAM) and severely acute malnourished (SAM) children below 5 years are enrolled in Well Baby Clinic (WBC) and those requiring further treatment are referred to higher centre.
- Well Baby Clinic (WBC) is conducted every Monday where anthropometry is taken, nutritional counselling given. Child is asked to follow-up after every 4 weeks.

NATIONAL AIDS CONTROL PROGRAMME & STI PROGRAMME:

Services Provided	Male	Female	TS/TG	Total
Clients provided counselling for HIV	1599	2573	205	4377
Clients found HIV Positive	21	10	5	36
No. of patients who visited STI OPD	1434	2747	160	4341
No. of RPR/VDRL tests conducted	1419	2654	160	4233
No. of patients on ART seen in OPD	71	85	5	161

IDSP:

- Malaria suspects-1687 (1 positive case).
- Presumptive TB cases-1850 (194 positive on CBNAAT)
- Suspected Measles cases-4.

LABORATORY SERVICES:

- Blood sugars: 1157
- AFB Sputum testing: 1000 (positive -25).
- CBNAAT (Screening): 1850 (positive -194).
- Hb - 427.
- Investigations done under Apli Chikitsa - 3681.

COMMUNITY DEVELOPMENT OFFICER- SERVICES

- Counselling - OPD patients, Malnourished children
- Out-reach camps
- Referral to NGOS, other facilities
- Mobilization of funds.

PG TRAINING ACTIVITIES/NGO VISITS

- Visit to Sub-Dist. Government General Hospital, Bhoomi park Road
- YUVA NGO Visit
- CB-NAAT laboratory visit (M. W. Desai General Hospital)
- NTEP training conducted by Dr. Milind Rasal and DTO, Dr. Archana Chandan Shive
- Workshop on AFP Surveillance and vaccine preventable diseases taken by Dr. Anagha Chaudhary, SMO WHO and Dr. Prashant Jadhav.
- Visit to ART Centre, Shatabdi Hospital, Kandivli
- Visit to ASTHA PARIVAR- FSW NGO
- Visit to Triveni Samaj Vikas Kendra – TG NGO
- Visit to SNEHA NGO – MCH services
- Training on STI- Syndromic management by Dr. Shivkar, DD MDACS
- Training on ART Initiation & LAC services by Dr. Sachin, ITECH India

SPECIAL ACTIVITIES:

- AIDS week celebration from 13/12/2021 to 19/12/2021. Theme for this year “End inequalities, End AIDS”.
- International Women’s Day celebration on 15th March
- World Tuberculosis Day celebration on 21st – 25th March 2022 Theme: “Invest to end TB, save lives”.
- World health day celebration program on 12th April 2022 Theme: “Our planet, our health”.
- World NO TOBACCO DAY celebration on 03/06/2022
- World Breastfeeding week celebration from 08/08/2022-12/08/2022
- Celebration of Nutrition Month 2021 from 19th-27th Sep 2022
- World Geriatric Day celebration on 12/10/2022.

Dentistry

- Dental care provided to municipal school students attending school clinics at KEM.

Dermatology

- Participation in various camps in city and outside the city in association with other departments - 10-12/year.
- Community level Skin OPD services were provided in the Dr BR Ambedkar Camp organised from 3rd-7th December.
- Leprosy day was celebrated on 30th January 2022.
- Skin awareness week celebrated from 7th Feb to 14th Feb under the title LOVE YOUR SKIN.
- Vitiligo day was celebrated on 25th June with street play for awareness and decreasing the stigma regarding the disease.

ENT

- Dr. Neelam Sathe participated in medical camp organized by Vishwashakti lokkalyan sanstha at Malad, Mumbai on 10-04-2022

Forensic Medicine & 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

Gastroenterology

- Department of Gastroenterology KEM Hospital is dedicated model treatment center for National Viral Hepatitis Control Program.
- Training of peripheral centers for NVHCP awareness
- Dr. Akash Shukla Nominated to the TRG of NVHCP, GoI
- Dr. Akash Shukla Nominated to steering committee of Maharashtra for NVHCP
- Dr. Akash Shukla Nominated to national surveillance program on NVHCP for MoH & FW, GoI.
- Awareness activation for organ donations.

Medicine

- Dr. Smrati Tiwari delivered a lecture on pedagogy and Andragogy in medical education for TTS group On 29th September 2022.

Microbiology

- Providing counseling and HIV antibody testing services for direct walk in clients.
- Counselors following up with PLHIV for increasing linkage to care and support.
- World AIDS Day commemorated with testing and counselling sessions for those visiting OPD.

Neonatology

- Community phone follow up by data entry operators working under SNCU project.
- Mentoring visit to SNCUs all over Maharashtra as a part of FBNC project run by NHM

- Social Awareness camps and lectures:
- Weekly meetings with parents of babies admitted in NICU to educate them about Preterm and Low Birth Weight care. Approx 1500 families are educated in 2022.
- Mothers are educated about breastfeeding during world breastfeeding week celebration and about Kangaroo mother care during preterm week celebration

Nephrology

- Specialised Medical Social Worker (MSW) service attached to the Department of Nephrology
- Weekly counselling & education programme for patients with end stage kidney disease and transplant and their care givers

Neurology

- Epilepsy Awareness Program on World Epilepsy Day on 17 Nov 2022
- Dementia awareness program on World dementia day on 21 Sep 2022

Neurosurgery

- TRAUMA RESPONSE CENTER established at KAMBL Anear Mahad on NH-66 on 3RD march 2022.
- Community medical Camp held on 5th June 2022 in Konkan area villages.

Obstetrics and Gynaecology

- Lecture on general woman's health for the workers of Malabar jewellery workshop at Andheri East on occasion of women's day
- Menstrual hygiene awareness session for patients and relatives
- Residents were posted for Blood Donation Camp
- Osteoporosis awareness session for patients and relatives: On the occasion of World Osteoporosis Day.
- Bone Density measurement of 150 women was done by Mumbai Obstetric and Gynecological Society
- Seminar on Women's health: Interactive session with college students and teachers from Vidyalankar School of Information Technology, Mumbai.
- Residents posted for community work on the occasion of Dr. Babasaheb Ambedkar's Mahaparinirvan Diwas

Ophthalmology

- Junior and senior residents regularly attend eye camps / school camps and eye examination camps for inmates in jail
- Kids of congenital cataract were mobilised from Palghar to kemh for cataract extraction and lens implantation regularly
- Junior and senior residents regularly visit Talwada camp and operate 50-60 cataracts per visit monthly

Paediatrics

- Blood bank camps attended by Resident Medical Officers--4
- Regular health camps attended by Resident Medical Officers – 6
- Health camps organized from 3rd to 7th December at Dadar Chityabhoomi for Mahaparinirvan Din of Dr. Babasaheb Ambedkar (on 6th December 2022)

Paediatric Surgery

- 492 families counselled since Jan 2022 in Birth Defect Clinic
- Birth Defect Clinic– Counselling and early intervention of congenital anomalies
- Providing essential hygiene care items to children and post partum mothers by Angeze Charitable trust.

Pathology

- Participation in blood donation camps

Pharmacology & Therapeutics

- A team of 4 Ayurveda residents posted at Ayurveda Research Centre participated in Health Camp organized at Chaityabhumi from 3rd to 7th December 2022 to provide care and awareness about rational use of Ayurvedic Drugs. About 200 patients were examined and prescribed Ayurvedic drugs.

Physiotherapy

- Geriatric OPD Naigaon: Physiotherapy services provided by Mariya Jiandani.
- Public awareness talk by Dr. Mariya Jiandani (PT) for pulmonary rehabilitation in collaboration with The Society of cardiovascular and pulmonary rehabilitation
- Pulmonary Rehabilitation awareness program at CVTC auditorium for patients of KEMH
- World heart day program 2022 was conducted to create awareness in public in the form of street play by students and Special talks by Dr Charan Lanjewar -Mariya Jiandani
- Online talk on ergonomic advice & physiotherapy exercise for Arya Vidya Mandir School, Bandra for teachers on 18th Jan 2022 By Dr Sushama Bhandare
- Women's health Camp at Powai Public School for teachers by Dr Sushama Bhandare

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 camps at
- Lifeline Express at Jagdalpur, Chhatisgarh held in April, 2022
- Lifeline Express at Angul, Orissa held in August, 2022
- Helping Hands Hospital, Dehradun, Uttarakhand

Psychiatry

- Malvani Community Outreach Centre: New cases – 126, Old cases – 1831, OPD at KBBH, Kurla: New cases – 271, Old cases – 752
- Social Awareness Camps and Lectures
- Psycho-education groups conducted along with team once every week by the Psychiatry Social workers.
- Guidance provided to students of M.A. in Social work by Psychiatric Social Workers.
- Suicide awareness and prevention programme held on 07/09/2022 for patients and their caregivers.
- Programme conducted for caregivers of Schizophrenia patients on World Schizophrenia Day on 25/07/2022
- UDID certification camp at The Children Aid Society's Home for Mentally Deficient Children, Mankhurd, where 65 inmates were tested and their disability certification was done
- Street play was organized to raise awareness about addiction and prevention on 26/06/2022 on the occasion of De-addiction day.
- Awareness and support programme conducted for caregivers of Schizophrenia patients on 24/05/2022.

Pulmonary Medicine

- Respiratory morbidity assessment health survey Total population studied:- 1747
- A Pilot study has been undertaken to evaluate effect of roadside vegetation near western express highway as an adaptation measure to combat vehicular pollution in the year 2022.
- In collaboration with Medical Research Unit (GSMC MRU), Environmental Pollution Research Centre carried out GLC & mass spectrophotometric analysis of 26 disinfectants. Following Covid-19 pandemic, during follow up of patients with airway disorders it was observed that there was an increased use of cleaning & disinfectants in households which acted as a trigger affecting indoor air quality.
- A Study was undertaken to identify common active ingredients in household disinfectants. An advisory for public awareness is prepared to avoid misuse & over exposure of chemicals indoors. The said advisory is published in B.M.C Environmental Status Report, 2022.

Surgical Gastroenterology

- 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 2022. On 9.01.2022-286 blood units were collected. On 8.5.2022-286 units and 18.09.2022-247 units of blood were collected. Tarun Mitra Mandal contributed a total of 819 blood units in the year 2022.
- Other Centres: Ganesh Galli, Lalbaug , Bengali Suvarn Shilpi at CP tank, Dadar Railway station, Nana Dharmadhikari Pratishthan , Vincent Paul Society, Vasai, Dr Severin Possa , Possa Hospital, Bhayandar, Ganeshotsav Mandal at Lalbaug, L and T Company, Powai, Shivsena Shakha , Chinchpokali and Abhyudaynagar, Godrej Company, Vikhroli, Seepz Andheri, IIT Powai , HDFC Bank, Kanjurmarg, Siemens company

Donations and Grants

Donations and Grants

Biochemistry

- Donation of Rs. 80,000 from Ortho-Clinical Diagnostics and Rs.40,000 each from Becton Dickinson Diagnostics, Randox Laboratories, Beckman Coulter & Horiba for conducting Certificate Course in SECOND CERTIFICATE COURSE IN LABORATORY PRACTICES: A QUALITY APPROACH” certificate course in October 2022

Cardiology

- Installed state-of-the-art CPET (Cardio-Pulmonary exercise testing) machine through The Indian Hume Pipe Company Limited, Mumbai for expert management of heart failure and structural heart disease patients.
- Received in donation from Ms Rashida Shehabi and the Maskati family the Philips L 15-7 IO Vascular ultrasound and intraoperative echocardiography probe for aiding vascular access in complex structural procedures and intra-operative ultrasound.

Cardiovascular and Thoracic Anaesthesia

- COLS workshop for lay persons
- Cardiovascular and Thoracic Surgery
- Donation for needy pediatric patients requiring cardiac surgery received from Makharia trust.
- Haemotherm donated by Inox Pvt India limited .

Clinical 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- Nutritional needs- Nutritional needs
- Natco Trust- Day care renovation and staff salary
- Being human
- Sushila Modi trust
- Budrani trust
- Cankids- provides social support services - Medical Assistance, Paediatric psycho-oncology program, Treatment support program, Investigation counseling, Education program

Clinical Pharmacology

- INR 25,000/- from DJST for Evaluation of the risk of allergy to COVID-19 vaccines in people with a history of allergic diathesis
- OrION Study- Optimizing Informed consent in Clinical Trials in low- and middle-income settings: feasibility of an adopted Quine T Recruitment Intervention (QRI) in India. United Kingdom based Medical Research Council (UKMRC)- £7917
- IBD Flu Vaccine Study- Evaluation of efficacy and safety of Quadrivalent Influenza Vaccine (FluQuadri™) in patient with Inflammatory Bowel Disease (IBD)-a case control proof of concept study. Diamond Jubilee Society Trust (DJST)- INR 50,000/-
- Flu DCE Study- Prediction of factors influencing Indian adults’ likelihood of accepting any Influenza vaccination and their willingness to pay – a discrete choice experiment study. Research Society- INR 1,00,000/-
- End Flu Study- Evaluation of Rationality Designed Influenza Vaccines. - Research Society-EC number awaited- INR 75,00,000/-
- Incentive Study- Indo-European consortium for next generation Influenza Vaccine Innovation Department of Biotechnology (DBT)- INR 1,00,00,000/-
- Prediction of factors influencing Indian adults ‘likelihood of accepting any COVID-19 vaccination and willingness to pay – a discrete choice experiment study” COVID-DCE study. Research Society- INR 1,00,000/-

Dentistry

- Social service department providing free dental treatment for medically compromised patients.

ENT

- Watumull Sanatorium Trust, donated cheque of Rs. 17,25,612/- towards the cost of 4 micro motor drills sets, for the Department of ENT, KEM Hospital.
- Radha Mohan Mehrotra Medical Relief Trust, Mumbai donated a cheque of Rs.12,05,000 for purchase of C-Arm for the ENT Department

Gastroenterology

- CSR donation through ONGC for C Arm fluoroscopy system.
- Donation for Liver ICU through Adigene trust.
- Patient Care – BMC donation from COVID centres
 - 3 Ventilators
- 2 BiPAP machine
- 2 Defibrillators
 - ABG Machine
- 10 Overbed tables
- HGT machine-1
- BP apparatus-5
- Wheelchair - 2
- Research society: Rs. 96000/- (Profile of EHPVO in young and infants and young children: Does early onset imply poorer growth indices?).
- Research Society : Rs. 1,00,000/- “(To Study Serum Biomarkers for diagnosis of early hepatocellular carcinoma (HCC)”

Microbiology: For Patient Care

S. No	Name of donor	Amount (Rs.)	Activity
1	MDACS	2,00,000/-	ICTC-M, EQAS and ART activities
2	MDACS	40,000	CD4 testing
3	MDACS	30,000	Workshop
4	NACO/MDACS	4,00,000/-	Viral load testing
5	NVBDCP	1,00,000	Vector borne diseases
6	MDACS	1,47,320/-	NABL assessment and accreditation

Neonatology

Name of Donor	Amount donated / Equipment donated (Rs.)	Specific activity for which donated
State PIP, NUHM	44,24,300.00	Facility Based Newborn Care project
State PIP, NUHM	2,26,800.00	SNCU Software project
State PIP, NUHM	10,21,309 (carry forwarded from previous year)	NICU Operational Cost
	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	900 Kangaroo bags, 600 mattress sheets, 600 baby frocks, 600 caps	Developmentally supportive care
Kalpataru Foundation	14,72,464	4 radiant warmers 2 pulse oximeters 2 infusion pumps
Shalimer infotech	1,50,000	One transport incubator

Nephrology

- **ICPA Health Care Pvt Ltd donated** Randox RS Ebola Biochemistry Analyzer – It enables complete biochemistry profile including renal and liver function tests. – worth Rs 28 lakhs

Neurology

- Portable VEEG machine donated by Sanyog Trust, Mumbai

Obstetrics and Gynaecology

- Kolkata Haematological Education and Research Initiative (KHERI) sponsored new garments on the occasion of Durga Puja for children with hemato-oncological disorders belonging to the lower socio-economic strata.

Ophthalmology

ITEM DONATED	DONATED BY	AMOUNT
SURGICAL GONIO LENSES	ANGLES LINK FOUNDATION	56050 RS
O2 SENSOR C S30	MR. SOLANKI	13630 RS
SURGICAL INSTRUMENTS	MR. SOLANKI	79145 RS
B AND H CABINET ROLLER MANUAL, ROLLER DRUM	MR. SOLANKI	20160 RS
1 STEEL CUPBOARD	DR. ANJANA KHOKANI	15000 RS
OCTOPUS PERIMETER	GIFT OF SIGHT -3	
IRIDEX LASER INDIRECT OPHTHALMOSCOPE	GIFT OF SIGHT -3	98000 RS
NASPRO 100 LENSES	DR SHEELA KERKAR	

Paediatrics

- Enzyme replacement therapy for treatment of lysosomal storage disorders and other inborn errors of metabolism like hereditary tyrosinemia type 1 worth approximately Rs. 20 crore per year are being procured for patients in the Genetic Clinic of the Department of Pediatrics Dr. Mamta Muranjan.

Name of donor	Amount donated	Specific activity of donation & Co-ordinators
MPS Limited	Rs. 6,00,000/-	Educational research grant for running the Learning Disability Clinic (Donation co-ordinated by Dr. Sunil Karande).
Thyssenkrupp Industrial Solutions Ltd. (TKIS), India [under CSR Program]	Rs. 15,18,160/-	Purchase of 21 Syringe Infusion Pumps to Pediatric Intensive Care Unit (Donation co-ordinated by Dr. Milind Tullu).
Thyssenkrupp Industrial Solutions Ltd. (TKIS), India [under CSR Program]	Rs.7,04,934/-	Comprehensive Maintenance Contract for three years (2022-2025) for Two nos. of Schiller Neumovent Ventilators in Pediatric Intensive Care Unit (Donation co-ordinated by Dr. Milind Tullu).
Thyssenkrupp Industrial Solutions Ltd. (TKIS), India [under CSR Program]	Rs. 57,000/- per year for 5 years since 2020 till date.	Annual CMC for 5 years for the donated 6 Multiparameter Monitors by TKIS (Donation co-ordinated by Dr. Milind Tullu).

- Research grant of DJST for study on DMD (Dr. Mamta Muranjan) Research grant of Rs. 1,50,000.00 from GSMC-MRU for TDM of Levetiracetam in Epilepsy. (Dr. Mamta Muranjan)

Paediatric Anaesthesia

- Ratanchand Hirachand Foundation donated MRI compatible pediatric laryngoscopes worth Rs 10 Lakhs for use in MRI suite
- Rotary Club Mahim donated Pediatric Video laryngoscope worth Rs 1.5 Lakhs

Paediatric Surgery

- M.P. Mr. Kumar Ketkar Members of Parliament Local Area Development fund for Paediatric Videoendourology set
- Rs. 50 Lakhs/- (Patient care)
- Angeze charitable trust (Cultural activities and patient care)

Physiology

- Dr. J. B Dharani Rs. 4400/- for departmental library books

Physiotherapy

- Treadmill and Multigymn (6 stations for patient care) thru MCGM at CVTC room no 16 and health Promotion OPD OC.

Plastic Surgery

- For Tissue Bank at KEM in collaboration with ROTTO SOTTO and BMC
- financial grants from NOTTO (NOTP) (for infra structure and equipment)
- grant from Jewellex India for running the tissue bank.
- Partnership with 'ReSurge International', to benefit post burn contracture patients – all treatment provided free – including surgery, consumables, pressure garments and splints.
- Arranged for donations of about 3 lakhs for the hand transplant patient

Psychiatry

- Donation of Rs 16,72,732/- received

Radiology

- 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.

Transfusion Medicine

- Blood Donation Camps: A single organization i.e. Tarun Mitra Mandal had organized 3 Blood donation camps in the year 2022. On 9.01.2022-286 blood units were collected. On 8.5.2022-286 units and 18.09.2022-247 units of blood were collected. Tarun Mitra Mandal contributed a total of 819 blood units in the year 2022.
- Ganesh Galli, Lalbaug ,9/1/2022 -280 units and 4/12/2022-431 units Total: 711 units, Bengali Suvarn Shilpi at CP tank, 260 units, Dadar Railway station-16/2/2022- 253 units, Nana Dharmadhikari Pratishthan -1/3/2022-325 units, Vincent Paul Society, Vasai-24/3/2022-373 units, Dr Severin Possa , Possa Hospital, Bhayandar-19/6/2022-345 units, Ganeshotsav Mandal at Lalbaug-26/6/2022-382 units, L and T Company,Powai organized a blood donation camp on 27.7.22.Total units collected were 227 units.
- Shivsena Shakha , Chinchpokali and Abhyudaynagar -31/7/2022-580 units, Godrej Company, Vikhroli-8/8/2022 and 9/8/2022 -663 units, Seepz Andheri-1/10/2022-292 units, IIT Powai -15/10/2022-327 units, HDFC Bank, Kanjurmarg-9/12/2022-304 units, Siemens company-14/12/2022-469 units

Urology

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

Education

Education

Anaesthesia

- MD Intake : 34 Results : 100%
- Fellowships in Chronic Pain, Neuroanaesthesia, GI anaesthesia, Regional Anaesthesia...2 students for each fellowship
- CPR : Advanced Cardiac Life Support (ACLS) : Workshops, attended by approx. 300 students.
- B.P.M.T. (OT Technician) Intake : 10 Results : 100%
- CPR – 13 ACLS conducted for medical & paramedical personnel.
- CME – ‘Pain Management – An overview of Modalities...!’ and Anaesthesiologist as Intensivist: Spreading the wings, paving the way into critical care’
- New courses with intake: One year fellowship course started with approval from MUHS
 - Pain Medicine - 02
 - Neuro Anaesthesia - 02
 - Regional Anaesthesia - 02
 - Gastroenterology Anaesthesia - 02

Library :

- No. of books : 700

Anatomy

Courses offered	Intake of Students (for 2021)	Results (% of pass for 2019)
I MBBS	250	96
MD Anatomy	00	-
I B.P.Th.	40	-
I B.O.Th.	40	-
Nursing	80	-
I B.P.M.T	35	81
PhD (Anatomy)	03	NA
PhD (Applied Biology)	Nil	-

Library :

- Total No. of Books: - 1095
- No. of New Books added in 2022: - 15
- No. of Journal titles: - 04
- Total No. of Journals: - 111

Biochemistry

- Certificate course was organized on “SECOND CERTIFICATE COURSE IN LABORATORY PRACTICES: A QUALITY APPROACH” held from 18th to 20th October 2022.
- AITO (Integrated Teaching Programme - Horizontal & Vertical) in coordination with Departments of Physiology, Anatomy, Medicine, Surgical Gastroenterology, and Nephrology) along with Department of the Biochemistry for the topics Cell, Jaundice Clinical Enzymology

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

Cardiovascular and Thoracic Anaesthesia

- Observership –
- 2nd year MBBS student with keen interest in Cardiac Anaesthesia, from Monash University, Melbourne.
- Two residents sent for Observership in Pediatric Cardiac Anaesthesia at Wadia Hospital for 15 days each.
- Two residents sent for Observership in Pediatric Cardiac Anaesthesia at Kokilaben Dirubhai Ambani Hospital for 15 days each.
- One resident attended the Hemodynamic workshop at Narayana Hrudayalaya hospital, Bangalore.
- Two residents attended the International and National TEE workshop at Narayana Hrudayalaya hospital as delegates, Bangalore.
- Elective Trainees:
- DM Cardiac Anaesthesia-2 seats/ year
- Fellowship in Cardiac Anaesthesia-2 seats/ year Result: 100%

Cardiovascular and Thoracic Surgery

- M. Ch – Annual intake 6
- BPMT perfusion therapy/ Nursing / OT & PT
- Library – Departmental Library - 358 books
- Two Functional Departmental Vascular Lab with Weekly Hands on Training session

Cardiology

1. DM Cardiology- Annual intake - 6
2. MD Medicine/allied -Residents are posted for a period of one month in Cardiology on rotation basis.
 - o **BSc PMT** – Intake of 5 Students per year.
Nursing students from various institutions are allowed observership as per administrative directives.
 - o Observers from Department of Palliative Medicine at Tata memorial Hospital
 - o IIIrd year BPTH / BOTH students and MPTH students attend clinics, learning patient care and rehabilitation.

Clinical 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.

Clinical Pharmacology

- DM Clinical Pharmacology – 3 seats per year
- PhD Clinical Pharmacology - Maharashtra University of Health Sciences – 3 seats per academic term
- Fellowship in Drug Development – 2 seats per year - Maharashtra University of Health Sciences
- PhD – Applied Biology – Mumbai University
- MSc- Applied Biology – Mumbai University
- Results: 2019 admitted all DM students who appeared for final DM examination in 2022 passed the final examination.
- PG teaching and training activities: are regularly conducted for DM and MD residents in the Department.
- New courses added and intake
- PhD Pharmaceutical Medicine - Maharashtra University of Health Sciences – 3 seats per academic term

Community Medicine

International observers and elective trainees:

	Course offered	Intake	Results (2022)
1	M.B.B.S.	183	Pass –182
2	M.D. (Comm. Med.)	Intake –19 in batch 2021-22 plus 18 in batch 22-23	Passed- 13/15 Casual- 1 Passed, 1
3	PhD (Community Medicine)	6 students pursuing PhD in the Dept.	

Dermatology

- Lecture on histopathology is being conducted on every Tuesday for PGs and fellows by Dr. Rajiv Joshi (Visiting faculty)
- Guest lecture and demonstration of HAIR TRANSPLANT was done by Dr Shankar Sawant on 31st May 2022.
- Virtual Annual IADVL Clinical Meeting of KEM Hospital was organised on 8th April 2022.
- Courses offered, intake for the current year and results:

Course	Intake	Result
MD Dermatology	6	Pass (100%)
Fellowship In Dermatopathology	2	Pass (100%)

- Library- 76 books

Endocrinology

- DM Endocrinology- 5 new admissions
- Passed DM Students -3 & Diploma Diabetology-1
- New courses added and intake: Endocrine Oncology Fellowship
- Participation in Pulmonary meet, Adrenal meet and various national and international webinars
- Library: Number of Books pertaining to Endocrinology 476 in Central Library & 489 in Departmental Library.

ENT

- Annual intake: MS ENT 5, Fellowship-1
- Organised mini FESS workshop on 28 th August 22 and 18th October 22.
- Organized 18th Endoscopic Skull base Surgery Workshop in association with Bombay Hospital on 18th December 2022

Forensic Medicine & Toxicology

- II MBBS :- August 2022- 255
- III MBBS:- Total Students- 254.

Gastroenterology

- Trainee: Dr Kiran Mane : Tata Memorial Centre. Motility disorders, IBD and hepatology training.
- DM Gastroenterology : 4 new candidates in year 2022.
- Two candidates completed DM Gastroenterology course.
- Hepatology fellowship : 02
- Library: 180 books in departmental library including subscriptions for elite journals Eg. Hepatology.

General Surgery

- MS- annual admissions 21

Medicine

- MD Medicine – Annual intake 23
- 10 seats for Infectious Disease fellowship affiliated to MUHS

Microbiology

- Training was conducted on microscopy for all lab technicians in Mumbai. Approximately 25 technicians were trained daily for 30 days.
- Prepared Elective Block 1 modules
- Library: 239 Books

Courses Offered	Intake for the current year	Results
MD Microbiology	6 + 2	Exams awaited for 2020 batch
Fellowship in IPC with specific reference to H.A.Is	1	2 students passed in 2021
II MBBS (Microbiology)	250	Results awaited
PG D.M.L.T	10	2/6
BSc OT	40	Results awaited
BSc PT	40	Results awaited
BPMT	10	All passed

Neonatology

- National observers cum trainee: 10 Pediatricians & 50 nurses from Alibaug, Nashik, Ulhasnagar, Amravati, Sangli, Jalgaon and Nandurbar districts of Maharashtra trained in neonatal care under Facility Based Newborn Care program.
- Organization of 10 Facility Based Newborn Care Observership Training programs of 14 days each for pediatricians & nurses from all over Maharashtra.
- DM residents from Pediatric Anesthesia department were posted for allied posting in Neonatology.

Nephrology

- DM Nephrology- Intake of 2 students per year, Pass students- 100%

Courses offered	Intake
DM (Neonatology)	4
MUHS Fellowship	2

- Library : 200 books

Neurology

- Two students per year for DM Neurology.
- Two Fellows per year for Epilepsy Fellowship (Post-Doctoral)
- 5 students per year for B.Sc. Paramedical Technology
- Library – Dept. library holds 250 books.

Neurosurgery

- Four students per year for Mch Neurosurgery.
- Library –250 books.
- Cadevaric workshop/skill training (8/11/22) with department of anatomy

Microvascular anastomosis

Skull base neurosurgery

Spine and C1-C2 workshop

Endoscopic workshop

- Mesial temporal lobe surgery/ epilepsy workshop orientation
- Endovascular simulation station
- B. Live Surgery (9/11/22).

Microneurosurgery, Interventional neurosurgery ,C1-C2 fixation , Trigeminal Neuralgia microvascular decompression

ECOG guided MTLs epilepsy surgery

- Vestibular schwannoma(retrosigmoid approach)

Nuclear Medicine

- DNB (Nuclear Medicine): Annual Intake – 1 student

Obstetrics and Gynaecology

- Annual intake- 36 (including 21 in KEM, 15, Wadia Maternity Hospital)
- Fellowships- 2 in assisted reproductive technology

- Teaching for 250 MBBS students, nursing, OTPT and practical training to BPMT
- Laparoscopy workshop conducted in collaboration with Johnson and Johnson company

Occupational Therapy

- Results:

Fourth BOTH-94%

MOTH – Neurosciences-50%

MOTH - Developmental Disabilities-75%

MOTH - Musculoskeletal Sciences-100%

- Organized a national level training workshop titled “Neurodevelopmental Care in the NICU” in collaboration with Department of Neonatology in September, 2022. Participants from the different states participated in the workshop. (Rajasthan, Gujrat, Goa, Karnataka & Maharashtra)
- Hands on sessions for splint making in national workshop & CME for burn, Gandhi medical College, Bhopal.on 11/12/2022 for 33 occ.therapist and physiotherapist participants.
- Library: 850 books
- Online access of Acland Anatomy, Clinical Key, OVID MD, Proquest, UPTODATE,
- Thieme e-books, BMJ-Case Report, ERMED Consortia from NML

Ophthalmology

- Courses offered – M.S. Ophthalmology, Results- 100% pass in 2022
- Library 102 books
- Phacoshala held on 14th & 15th december by johnson and johnson

Orthopaedics

- MS Orthopaedics – annual intake of 24
- Updated departmental library and online journal

Paediatrics

- International Observers & Elective Trainees: Total-4, Cody Aros, Siddh Vipul Shah, Nathasha Mohan, Dhanashri Bunde
- MD Pediatrics: Annual intake 28
- Fellowship in Pediatric Neurology & Epilepsy (2 seats), Fellowship in Clinical Genetics (2 seats), and Fellowship in Pediatric Intensive Care (2 seats).
- MSc in Applied Biology.
- Library Books & Periodicals - 273.

Paediatric Anaesthesia

- DM, Intake : 1 Results : 100%
- Fellowships in Paediatric Anaesthesia, Intake: 2
- Pediatric Airway Workshop, Patient Safety Workshop and CME organized
- Workshop on Advanced Hemodynamic Monitoring in children
- Library-No. of books : 63

Paediatric Surgery

- M.Ch. annual intake - 2 Paediatric surgery Examination
- Fellowship in Minimal Access in Pediatric Surgery annual intake -1

Pathology

- M.D. (Pathology) – 14 students per year
- MBBS –250 students per year
- D.M.L.T - 10 students per year
- B.P.M.T Course – 5 students per year

- BPTTh & BOTTh course – Total 80 students (40 each) per year
- Fellowships offered in Cytopathology, Renal Pathology, GI Pathology, Cardiovascular Pathology, Pediatric Pathology and Neuropathology – 12 fellowship posts sanctioned per year & 8 fellows under training at present.
- B Sc Nursing lectures for 80 SNDT nursing students
- Observership offered for Autopsy training and Histopathology training to MD & DNB Pathology post-graduates from all over India.
- Observership to many laboratory technology trainees from various colleges in Mumbai.
- Library: 310 text books

Pharmacology & Therapeutics

- Participation in UG and PG teaching and training activities:
Teaching sessions for the students of II MBBS, II year BOTTh, II-year BPTTh, II year, BPMT and II-year Nursing students of the college were conducted offline & online using Microsoft Teams App.
- 80 lectures and 72 SGD/practicals were conducted for the May 2022 CBME batch II MBBS students
- Post graduate students were posted in Pharma industry as a part of training for 2 months:
- Workshop on Good Clinical 'Practice and Regulations in clinical trial' was conducted for Masina Hospital by the Department of Pharmacology and Therapeutics on 26th February 2022, on 22nd June 2022 at MDACS, Mumbai, SMBT Medical College and Research Centre, Igatpuri, Nashik on 26th August 2022 and at Bhatia Hospital by the Department of Pharmacology and Therapeutics on 8th March 2022.
- Workshop on 'Good Clinical Practice' was conducted by the Department of Pharmacology and Therapeutics under the aegis of Forum for Review of Ethics Committees in India (FERCI) for Aditya Jyot Hospital on 5th December 2022.
- PHARMASTEER 2022, an online orientation programme for postgraduate medical students all over India, was held on 19th and 26th November & 3rd and 10th December 2022 as a part of the academia-industry collaboration between Department of Pharmacology & Therapeutics and Astra-Zeneca.
- Library : 826 books

Physiology

Courses offered	Intake for the current year
Postgraduate degree course in Human Physiology	03+03
I MBBS	250
FYBOTTh /FYBPTTh	40+ 40
III year OT	40
Bachelor of Para-Medical Technology 1st & 2nd year	25

- Library holdings: 1661 books

Physiotherapy

- UG: Bachelors in Physiotherapy: Four years + Six months of Internship
- Intake: 40/year , Interns: 40, Extern:13: Pass Percentage 95.9%
- PG: Masters in Physiotherapy: Intake 20.
- Ph.D: Ph D Scholars: 26

Plastic Surgery

- Courses offered and intake for current year: M.Ch. Plastic Surgery- 4 students per year
- Conferences and workshops organised
 - o Annual Conference of the National Academy of Burns India in January 2022. 300 national and international delegates attended.
 - o National CME on Vascular Malformations under the banner of KEM and the Association of Plastic Surgeons of India. April 2022

Face and Hand Transplant Hands-on Cadaveric Workshop in collaboration with ROTTO SOTTO (West) in April 2022, Hand Transplant Hands-on Cadaveric Workshop in collaboration with ROTTO SOTTO (West) in Dec 2022, Flap dissection Hands-on Cadaveric Workshop for departmental inhouse faculty and residents in collaboration with ROTTO SOTTO (West) in September 2022

Psychiatry

- International /National Observers/Trainees in Psychology - 9
- M.D. (PSYCHIATRY) – Annual intake 6
- Results 6 MD Psychiatry candidates passed the MUHS Summer 2022 Examination.
- New Courses/Activities:-
- Fellows registered for MUHS approved one year Fellowship course in 2022 - 2
- Library: 1015 book on psychiatry and allied subjects

Pulmonary Medicine

- MD Pulmonary Medicine :- 4 seats per year
- DM Pulmonary Medicine :- 2 seats per year
- Nursing staff Training : Linkages with peripheral hospitals (Group of TB Hospitals)-training of nurses in intensive respiratory care.

Surgical Gastroenterology

- One Year MUHS Fellowship in Minimal Access Surgery with intake of two students every year
- One Year MUHS Fellowship in HPB Surgery with intake of two student every year
- Conduct Quarterly Basic Laparoscopic Instructional Course for Surgeons from Periphery.
- Maharashtra Govt Sponsored One Fellowship for Rural Surgeons in GI Surgery.
- Fellowship Training in HPB Completed by 3 and in Minimal invasive surgery by 3
- Library: facility of E Library with all relevant GI surgery books and online Journals.

Transfusion Medicine

- Asian Association of Transfusion Medicine (AATM) Global Nurses Training Program
- 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 Immuno-haematology.

Urology

- M.Ch. course since 1980
- Female Urology workshop – 4 June 2022.
- Hands on Cadaver Workshop -28 August 2022
- Supine PCNL workshop 7 Aug 2022
- Hands on Cadaver workshop 13 Oct 2022
- Hands on Cadaver workshop 4 Dec 2022

Patient Care

Patient Care

Anaesthesia

- Anaesthesiology department catered to 43 operation theater tables located in 15 OT complexes and catered to 63,000 surgical patients & 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.

Biochemistry

- Central Clinical Biochemistry Laboratory (CCBL)
 - Patients' samples are analyzed on:
 - TWO Olympus AU 680 Fully Automatic Biochemistry Analyzers
 - TWO Olympus AU 400 Fully Automatic Biochemistry Analyzers
 - ONE Erba Mannheim EM 200 Fully Automatic Biochemistry Analyzer
 - ONE Transasia ERBA Chem-7 Semi autoanalyzer
- Emergency Medical Services Laboratory (EMS Lab)
 - ONE Transasia XL 640 Fully Automatic Biochemistry Analyzer
 - ONE Randox Rx Daytona Fully Automatic Biochemistry Analyzer
 - ONE Erba Mannheim EM 200 Fully Automatic Biochemistry Analyzer
 - TWO Transasia ERBA Easylyte Electrolyte Analyzers
 - ONE Roche Electrolyte Analyzers
 - ONE AGD Electrolyte Analyzer
 - ONE Transasia ERBA Chem-7 Semiautoanalyzer

Biochemical tests

Sr. No.	Name of Parameter	Total number of tests	
		CCBL	EMS
1.	Blood Sugar	169988	59876
2.	Sr Creatinine	198582	102343
3.	Blood Urea Nitrogen	195263	137821
4.	Serum Total Protein	223789	NA
5.	Serum Albumin	223789	NA
6.	Serum Alkaline Phosphatase	228455	NA
7.	SGOT	229854	NA
8.	SGPT	229854	NA
9.	Serum Uric Acid	27356	NA
10.	Serum Bilirubin (Direct & Indirect)	49430	6542
11.	Serum Electrolyte	122452 x 3	112563 x 3
12.	Calcium	99851	NA
13.	Phosphorus	57425	NA
	TOTAL	2300992	644271

- CVTS Laboratory No. 315 :1)ONE Randox Rx Imola Fully Automatic Biochemistry Analyzed
Number of tests done in CVTS Laboratory :

Sr. No.	Name of test Parameter	Total number of tests
1	Total CK	2584
2	CKMB	2674
3	Amylase	1233
4	LDH	12221
5	Cholesterol	23209
6	LDL	16725

Sr. No.	Name of test Parameter	Total number of tests
7	HDL	16725
8	Triglyceride	23409
9	CRP	537
	Total	104617

Cardiology

- No. of Procedures done in Siemens & Philips Cath Lab from 1st January 2022 to 31st December, 2022

Sr. No.	Types of Procedures	No. of Procedures
1	Coronary Angiography	1278
2	BMV	100
3	BPV	9
4	BAV	4
5	ASD Device Closure	29
6	VSD Device closure	11
7	RSOV Device closure	3
8	PDA Device Closure	5
9	PCI with stent	550
10	Bifurcation PCI with stent	56
11	Rotablation	10
12	Renal artery angioplasty with stenting	2
13	Electrophysiology Study and Radio Frequency Ablation	93
14	PPI Implantation	135
15	Diagnostic Catheterization	29
16	AICD implantation	13
17	CRT implantation	8
18	Coarctoplasty	15
19	AP window device closure	0
20	HOCM Alcohol Septal ablation	0
21	TAVR	3
22	Pacemaker Lead Extraction	8
23	Transcatheter pulmonary valve replacement	2
24	SCA stenting	3
	Total No. of procedures	2310

- Total No. of patients admitted in ICCU : 1556
- Total No. of patient admitted in Wd. 32 : 2138
- Total no. of patients undergoing CST : 389
- Total no. of patients undergoing CPET : 51
- Total no. of patients done 2D ECHO/CD : 6380
- ECG : EMS – 26591; CVTC – 7998
- Holter testing : 288
- CVTC OPD : 41561

Cardiovascular and Thoracic Anaesthesia

Provide services to Cardiovascular and Thoracic Surgery

- 4 Operation theatres (3 Routine + 1 Emergency)
- 12 bedded ICU
- 15 bedded HDU
- Cardiology
- 2 Cath Labs

- 12 bedded ICCU
- 12 bedded HDU
- 24 hrs PAMI cases
- Chest Medicine
- 8 bedded IRCU
- Bronchoscopy – Distal bronchus foreign body removal, Tracheal dilation, Device closure for Bronchopleural Fistula.

Cardiovascular and Thoracic Surgery

- OUT PATIENT SERVICES
 - o Four Outpatient Clinics are conducted every week 1.30 pm Onwards

Place CVTC Building, Ground Floor (307)

Days Monday/Wednesday (Dr.DVK Unit)

Tuesday / Friday (Dr.Uej Unit)

- Number of new cases -1500
- OPERATIVE WORK : Total Admissions : 930
Total Surgeries : 461 (Cardiac: 350 Thoracic: 31 Vascular -80)

Clinical Hematology

- No of patients catered- 32802 patients in OPD basis and day care basis.
- OPD- Mondays and Thursdays from 9.30 to 1.30 and on Wednesday on 11th floor from 9.30 to 12.30 for follow up of CML and Aplastic anemia patients.
- Indoor admissions - Ward 42 on the 10th floor, New Multistorey Building.
- We have a emergency service for bleeding disorder and hematological malignancies patients.
- New Hematology day care Centre : 11th floor new multistory building
- RUTF nutrition supplement programme for paediatric patients
- IN PATIENT SERVICE
BEDS: Total - 25 [Allotted].

PLACE: Ward 42, 10th Floor, East Wing, M S Building, K.E.M Hospital Campus,

Indoor Service: Ward 42-825, Death-30

Number of patients treated in Hematology Day care : 15131

Number of OPD patients (Hematology Dept.) New- 4356, Old- 13315

Investigations

Various Tests such as Hemogram, Bone Marrow aspiration, Biopsies, Hemolytic

Workup, Haemostatic Work up and Iron studies are done.

- Laboratory information: 2022

Dr. J. C. Patel Hematology :Hemogram, Bone Marrow aspiration, Biopsies, Hemolytic Workup, Haemostatic Work up and Iron studies are done. A month wise statistical breakup of the various tests during 2021 is as follows: - Hb-16326, Retic-3095, TC/DC-16326, EST-39, Plt.C-1639, BMA-800, PT- 1449, APTT-540

Clinical Pharmacology

- Therapeutic Drug Monitoring (TDM) Services- samples analysed and reported
- Total patient for anti-epileptic Drugs -1621
 - o Phenobarbitone - 96
 - o Phenytoin -269
 - o Carbamazepine-149
 - o Levetiracetam-545
 - o Lamotrigine-40
 - o Valproate -524
- New TDM services added with number
 - o Vancomycin-18
 - o Voriconazole - 26
 - o Paracetamol -20

- Total patients for anti- manic drugs [lithium]- 105
- Pharmacogenetics services- Total patients genotyped – 345
 - o Warfarin [CYP2C9, VKORC1] – 160
 - o Tacrolimus [CYP3A5] - 40
 - o Clopidogrel [CYP2C19]-11
 - o Azathioprine [NUDT15] – 72 and TPMT – 62
- New services added with numbers – TPMT genotyping test has been added from 3rd April 2022.
- Malaria OPD
 - o Total number of patients screened – 2214
 - o Total number of positive plasmodium vivax patients – 94
 - o Total number of positive plasmodium falciparum patients – 06

Community Medicine

Services in KEM campus:

1. General OPD Services-57919
2. Immunization OPD

Vaccine	Total
Hepatitis B – 0, OPV, BCG	5530
OPV1 + PENTA1 + ROTA1+ IPV1+ PCV1	759
OPV2 + PENTA2 + ROTA2	458
OPV3 + PENTA3 + ROTA3+ IPV2+ PCV2	416
MR + PCV-B + Vit.A	191
MMR + DPT-B1 + OPV-B + VITA	221
DPT-B2+VIT.A	116
TOTAL	7691

Three rounds of National Pulse Polio Immunization

Laboratory Reports

Sr. No.	Investigation	Total Patients
1	CBC	9321
2	Blood Grouping	11
3	ESR	8265
4	FBS/PLBS	4862
5	RBS	5317
6	Sputum for AFB – Positive	147
7	Sputum for AFB – Negative	724

3. Yellow Fever & Adult OPV Vaccination OPD

YELLOW FEVERVACCINE BENEFICIARIES	ADULT OPV BENEFICIARIES
1444	488

Yellow fever Vaccination -1330

4. Oral and Breast Cancer Screening OPD inaugurated on 12th October 2022 in collaboration with Department of General Surgery.

Number of patients screened		Patients with positive finding	
Oral cancer	Breast	Oral cancer	Breast

Male	Female	Total	Females	Male	Female	Total	Females
120	26	146	548	33	16	49	49

5. NCD Corner:

TOTAL INDIVIDUAL S AT-TENDING			SUSPECT FOR DIABETES			SUSPECT FOR HYPERTEN-SION			SUSPECT FOR HTN & DM		
Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
3134	1262	4396	321	124	445	341	63	404	360	105	465

6. Covid-19 Vaccination Center:

Covishield	Covaxin	CorBEvax	Total
20,895	11003	1751	33649

7. CCF OPD:

No. of Patients Examined for CCF Symptoms	Other Patients	Total Patients	RTPCR Swab	SARI Admissions
24658	3579	28237	23319	401

8. Surveillance: Routine surveillance in IDSP (Integrated Disease Surveillance Programme) – Daily reporting of cases and deaths. SARI surveillance – Daily Reporting from 23.03.2020 and is ongoing.

9. Integrated Disease Surveillance Program: Total cases-2618

Fever	Lepto	Dengue		Malaria			Malaria		Enteric Fever	H1 N1
		ELISA	Rapid	P. Vivax	P. Falci.	Mixed	A	E		
1355	245	495	220	150	42	18	1	0	24	19

10. Palliative care OPD:

WARD	ICU	OPD	Follow up visits
46	4	33	49

Dentistry

- Total OPD patients - 15000
- Procedures carried out :
 - o Extractions – 4000
 - o Root canals – 3000
 - o Restorative work (fillings) – 1800
 - o FPD/RPD – 45
 - o Major and minor surgeries – 500
 - o Dental Implants for missing teeth - 24
 - o Dental management and oral hygiene in haemophilia patients - 100
 - o Single visit root canal treatments for patients in haemophilia patients- 26
 - o Dental treatment in general anaesthesia for medically compromised children – 10
 - o Neonatal care-Obturator for cleft lip and palate patient. Natal and neonatal tooth extractions – 8

Dermatology

- No. of OPD patients per day- 350-400/day
- No. of Biopsies done per day- 10-12/day
- No. of IPD patients per week- 5-8/week
- No. of procedures done per week- 200-250/week
- No. of Platelet Rich Plasma (PRP) done per week- 20-25
- No. of various LASERS done per week- 15-20/week
- No. of hair transplant(small sessions) done - 4
- Biologicals like Injection Rituximab is given to non-affording patients of Vesiculobullous diseases under RGJAY.
- Use of advanced surgical modalities like Non Cultured Melanocyte Transfer, SMASH Grafting, Split thickness skin Grafting for treatment of Vitiligo patients.
- Multiplatform LASER, IPL and Q-Switch Nd-YAG LASERS for Vitiligo, Acne scars, skin rejuvenation, Hirsutism are done under Cosmetology and Vitiligo Special OPDs.
- Patient awareness posters regarding Acne, Psoriasis and Vitiligo are present in Skin OPD educating patients regarding the prevention and management of these common skin problems.
- Various chemical peels, PRF, iPRF and revision surgeries are done under Cosmetology Special OPD.
- Initiation of iPRF, Biological Fillers for atrophic scars and facial contouring.

Endocrinology

A. Indoor admission: Male: 245, Female: 177, Male Child: 46, Female Child: 26

B. OPD Consultations:

Diseases	New Patients	Old Patients	Total Patients
Diabetes	5259	20714	25973
Thyroid	3930	6850	10780
Puberty and Growth Clinic	1778	3089	4867
Total	10967	30653	41620

ENT

- No. of OPD's run: one OPD (NO 107)
- Frequency of OPD: Monday to Saturday
- Annual OPD Attendance: 41720 patients
- Annual IPD: 1389
- Surgical statistics: No. of Surgeries done-1680
- Audiometry testing-3702
- No. of IPD Beds Available For Department:-60

Forensic Medicine & Toxicology

- Total Post-mortem Cases – 1154, Total Ante-mortem cases - 220
- Medicolegal Autopsy conducted on deceased forwarded for Post Mortem Examination by Investigation Officer.
- Expert opinions given on different Antemortem Cases Like: Sexual Assaults, Violent Asphyxias, Poisoning Cases, Crime Scene Visit, identification of unknown & Age assessment
- Forensic Odontology Expert Opinion given on cases of Sexual Assault,

Gastroenterology

- O.P.D. Patients : 18756
- New patients : 6446
- Follow up patients: 12310
- Indoor Patients admitted to Gastroenterology wards (32A & 41) : 1453
- Procedures

Diagnostic

- Upper GI Scopy : 5520
- Colonoscopy : 1412
- E.R.C.P. : 744
- Proctoscopy : 1018
- Liver Biopsy : 64
- EUS procedures : 310
- Therapeutic Procedures
 - Esophageal Variceal Sclerotherapy : 80
 - Esophageal Variceal Band / Loop Ligation : 1050
 - Endoscopic clipping for bleeding lesions/ polyps :58
 - Esophageal Dilatation :810
 - Esophageal Prosthesis Placement :6
 - Gastric varices with glue :158
 - Bleeding Ulcer Injection :48
 - EUS therapeutic Biopsy :104
 - Argon Plasma Coagulation :70
 - Endoscopic biliary sphincterotomy : 610
 - Endoscopic pancreatic sphincterotomy and drainage : 144
 - Pancreatic cyst drainage : 55

13. Polypectomy :42
14. Foreign Body removal :42
15. Percutaneous endoscopic gastrostomy :2
16. Rectal Stricture Dilatation : 68

- | | | |
|-------------------------|-------------|----------------|
| • Capsule endoscopy : 6 | • POEM-11 | Esophageal-119 |
| • Therapeutic EUS : 48 | • TEG-74 | Anorectal- 171 |
| • ESD : 2 | • Manometry | PH metry- 11 |

General Surgery

- Following services are offered
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

Total admission: 11,192

New OPD: 35,228

Old OPD: 20016

Total OPD pts: 55244

Breast clinic new patients: 841

Breast clinic follow-up patients: 1561

Total Breast clinic cases: 2402

Major Surgeries: Elective OT: 1947; Laparoscopy Surgery: 717

Major Surgeries Emergency OT: 1925

Minor Surgeries Emergency: 849

Minor Surgeries OT MSOT: 758

New service started : Clinical breast examination for early breast pathology detection service started in collaboration with department of Community Medicine.

Medicine

- Indoor Patients: -

Dr. MYN Unit IPD patients -1765

Dr. AGR Unit IPD patients- 2395

Dr. SBS Unit IPD patients – 2180

Dr. AKS Unit IPD patients-2673

Dr. KSJ Unit IPD patients-2712

Dr. KDS Unit IPD patients- 2612

MICU/ EMS ICU patients : 492

- OPD Patients -

General Medicine OPD : Old : 18,000

New : 12,000

- Superspeciality OPDs attended as below:-

Sr. No	OPD	Faculty	Day & Time	Patients load
1	Rheumatology OPD	Dr. MYN, Dr. AGR Dr. AKS Dr. Juhi Dr. Shraddha Dr. Vinayak	Tuesday & Saturday 8:30am to 12 noon	New:- 463 Follow up:- 2,951
2	Virology OPD	Dr. KSJ Dr. Smrati Dr. Shraddha	Thursday 08:30am to 12 noon	New:- Follow up:- 673
3	Hypertension OPD	Dr. SBS Dr. Juhi	Wednesday 08:30am to 12 noon	New:- 306 Follow up:- 1,763

Sr. No	OPD	Faculty	Day & Time	Patients load
4	Geriatric OPD	Dr. Meghna	Thursday 01:30 pm to 03:00pm	New:- 05 Follow up:- 246
5	Infectious Disease OPD	Dr. KDS	Friday 13:30-15:00	New:- Follow up:-
6	Palliative Care OPD	Dr. KDS	Thursday 8:30-10:30AM	New:- Follow up:-

MICU PATIENT CARE:

- Care of critically ill patients like complicated tropical illnesses e.g. malaria, leptospirosis, dengue, septicemia, poisoning, fever & acute lung injury/ ARDS needing ventilator therapy.
- MICU has managed critically ill residents and interns of KEM Hospital who had dengue fever and acute febrile illnesses.
- Total 30 ventilators - to provided noninvasive & invasive mechanical ventilation to Acute lung injury/ ARDS/ Respiratory/ depression/ Cardio respiratory failure patients.
- 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.
- CAVH, CVVHDF on CRRT machine available in MICU.
- 2D Echo 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 Professor & 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.
- 30 Multipara Monitors & 1 USG & 1 2D Echo Machine for Critically ill patients.
- 2 HD Machine are installed in ICU for Dialysis and Plasmapheresis.
- 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

- Emergency laboratory services are available after routine hours.

Section	Workload
Bacteriology including Emergency laboratory	
Samples processed	74919
Antibiotic susceptibility tests	73997
BACTEC	2353
Vitek rapid ID and ABS	1292
Total	152561

Virology and Immunology	
HIV serology	39159
HBV serology	35925
HCV serology	35793
RPR	294
CD4 count	4226
Viral Load (HIV)	14880
Total	130277

Section	Workload
Serology including Emergency laboratory	
Leptospirosis	22672
Dengue	46002
Chikungunya	270
Widal	1726
ASO	487
RF	2094
RPR	778
Total	74029

Mycobacteriology	
Microscopy – LED fluorescence (pulmonary)	5900
Microscopy – LED fluorescence (extra-pulmonary)	1688
GeneXpert	13140
MGIT culture and DST (as per programmatic directions)	1718
Total	22446

Section	Workload
Mycology	
Samples processed	4134
VITEK ID-AFST	320
Cryptococcal antigen detection	33
Total	4487

Parasitology including Emergency laboratory	
Stool examination (routine)	7318
Stool for opportunistic parasites	771
Malaria Antigen Test	19419
Total	27508

Section	Workload
SARS-CoV-2 & other molecular	
RT-PCR	68274
RAT	16253
Covid-19 antibody	529
Influenza PCR	964
Total	86020

- CD4 testing linkage has been established with four centres.
- Initiated Influenza (pH1N1) RTPCR.

Neonatology

- Neonatal Intensive Care Unit

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

- Palliative Care Unit
- Human Milk Bank
- 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

Total number of infants born	5863
Total number of LBW infants	2199
Total number of NICU admissions	1281
Total number of KMC recipients	479
Total number of COVID suspect neonates	2823
Total number of COVID positive neonates	0

- New Services:
 - o Pain and palliative care services to sick newborns
 - o End of life care in NICU
 - o Prenatal counselling for mothers with babies with congenital birth defects
 - New facilities provided: Parental counselling services by psychologist and social worker
- Facility Based Newborn Care in collaboration with National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India under NUHM
- Special Newborn Care Unit (SNCU) software program in collaboration with Government of Maharashtra under NUHM
 - Ophthalmic evaluation of normal babies and High Risk NICU graduates in collaboration with KB Haji Bachooali Charitable Ophthalmic and ENT hospital, Mumbai.

Nephrology

- Annual inpatient admissions in ward 34 and 34A: 310
- No of dialysis sessions done in 2022 till date: 10,309
- No. of kidney biopsies done in 2022: 135
- No. of tunnelled cuffed catheters inserted in 2022: 154

- Total Urine routine- 15625, 24 HP-7859, 24UCR-203, Spot U Cr- 912, CR-1115, CBC- Annual inpatient admissions in ward 34 and 34A: 310
- No of dialysis sessions done in 2022 till date: 10,309
- No. of kidney biopsies done in 2022: 135
- No. of tunnelled cuffed catheters inserted in 2022: 154 15490
- We perform 24 x 7/365 days emergency haemodialysis, also provides the service to HIV/HbsAg/HCV positive patients.
- ICU dialysis facility started for critically ill patients in EMS- ICU (Medical Intensive Care Unit), MICU, CVTS ICU, SICU, Pediatric ICU, AICU.
- 20 Live related renal transplants and 5 deceased donor renal transplants done in 2021 are doing well with functioning graft.
- ABPM (Ambulatory Blood Pressure Monitoring) services started for patients with hypertension.
- Annual OPD attendance in 2022 till date – 3342 [New Pt OPD] + 15363 [follow-up patients] = 18705
- New services- Randox RS Ebola Biochemistry Analyzer – It enables complete biochemistry profile including renal and liver function tests.

Neurology

- Neurophysiology tests conducted:

Routine VEEG – 1579

Ictal VEEG- 265

Electromyography & Nerve Conduction study (EMG/NCS)- 720

- Epilepsy Surgery

Surgeries conducted in 2022

ECOG Guided (ECOG) - 19

Non ECOG Guided (Non –ECOG) - 03

- Neuropsychology -305 psychological evaluations for Epilepsy Surgery and other neurological conditions including evaluations for fitness.
- OPD Services

Pre-operative & post-surgery counselling and guidance for Epilepsy patient.

Neurology New – 6917 patients per year

Neurology Old – 10624 patients per year

Epilepsy New – 2099 patients in the year

Epilepsy Old –12361 patients in the year

Paediatric Epilepsy New –218 patients in the year

Paediatric Epilepsy Old - 837 patients in the year

Indoor Services – 698 patients

- Stroke Center -

Inaugurated by Honourable Mayor of Municipal corporation of greater Mumbai Mrs. Kishori Pednekar on 21 sept 2021.

Total 102 patient's thrombolysed till date. There is coordination with Neurosurgery for Mechanical thrombectomy for Acute Stroke.

- Movement Disorder Clinic- Dr. Pankaj Agarwal is a honorary visiting Specialist in Movement Disorder.
- Weekly Botox therapy given to Selected Patients.
- Memory Clinic – In the year -2022 Inauguration of memory Clinic By Honourable Additional municipal commissioner of municipal corporation of greater Mumbai Shri. Suresh Kakani sir on 21 sept 2021
- 26 patients evaluated till date apart from regular follow up patients having cognitive disorder in association with Department of Neuropsychology and Occupational therapy.
- 2 caregiver sessions conducted for psychoeducation in association with department of Neuropsychology and occupational therapy.
- STROKE ICU: 10 bedded dedicated Stroke ICU was inaugurated on World Stroke Day, 29th Sep 2022 in collaboration with General Medicine and Neurosurgery departments at the hands of Honorable AMC Sir Dr. Sanjeev Kumar.
- VEEG 33: A new Epilepsy monitoring unit was built in ward 10 and Video EEG unit was shifted here on National Epilepsy Day, 17th Nov 2022.

Neurosurgery

- Number of surgeries performed:-

Vascular surgery-155

Trans-sphenoidal surgery (function/ non-functioning pituitary adenomas)- 102

Head injury-254

Neurooncology-575

Atlanto-axial dislocation and BI- 84

Spine surgery-380

Epilepsy surgery- 65

Paediatricsurgery-154

Peripheral Nerve surgery-10

Endovascular surgery-350

- Neuro-ICU:- 8 bedded dedicated Neurosurgery ICU with multi Para monitoring.
- Epilepsy surgery 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.
- Stroke Center: Total 67 patient's thrombolysed till date in collaboration with Neurology for Mechanical thrombectomy for Acute Stroke

Nuclear Medicine

- Addition of PET/CT related services 1addition of F-18 NOTA octreotide PET CT
- F-18 DOPA for diagnosis of Parkinson's disease
- Radiation synovectomy for hemophiliac arthropathy.
- Diagnostics:

1. PET/CT scans – 670	9. Stress thallium-35	17. GET-36
2. Cardiac PET scans-79	10. Lymphoscintigraphy-19	18. GER-78
3. Bone scan-140	11. Parathyroid scan-37	19. Meckels Scan-13
4. Salivary scintigraphy-10	12. Thyroid scan-564	20. Brain PET scan-246
5. HIDA scan-150	13. MUGA -12	21. F-18 PSMA PET CT-46
6. Renal Scan-1234	14. Brain SPECT-39	22. F-18 DOPA PET CT-69
7. DMSA scan-897	15. Iodine scan-38	23. F-18 NOTA octreotide -4
8. Lung perfusion scan-78	16. Iodine therapy-56	

Obstetrics and Gynaecology

1. Total No. of Obs. Major = 3218
 2. Total No. of GYN. Major = 401
 3. Total No. of. Obs. Minor = 900
 4. Total No. of. Gyn. Minor = 200
 5. Total no. of Gyn OPD pts consulted:22,523
 6. Total no. of Obs OPD pts consulted: 30,375
- Total no. of deliveries- 6137

Occupational Therapy

- Inpatient services: 44311 & Outpatient services: 33075
- Specialized OPD Interventions:

Sr. NO	Name	Building	OPD No.	Day	Timings
1	Back School Clinic	Orthopedic Center	412	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
2	Musculoskeletal management for Hemophilia	Hemophilia Day care, New Building.	13th floor ,new building.	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
3	Hypertension Clinic	OT block,KEM Hospital	079	Wednesdays	9.00 am to 12.00 pm and 12.00 p.m to 4.00 p.m

Sr. NO	Name	Building	OPD No.	Day	Timings
4	Neurology- M.M.E.Fitness assessment and disability assessment. Memory clinic.	OT Block, K.E.M Hospital .	O.T.OPD-79	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
5	De-addiction: Intervention and Fitness certification.	Orthopedic Center	OT department in Ward 40	Mondays to Saturdays	9.00 am to -12.00 pm
6	Breast Clinic	New building	11	Wednesday	2.00 pm to 4.00 pm.
7	Psychiatry: Intervention and Work Fitness	Old K.E.M Hospital Building	OT OPD 79	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
8	Child Guidance Clinic –Learning Disability Certificate Evaluations.	OT dept-412, Orthopedic Center.	OT-412	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 4.00 pm & 1.00 pm to 4.00 pm
9	Kangaroo Mother Care	Behind Orthopedic Center		Thursdays	10.00 am to 12.00 pm
10	Sensory Integration Therapy	OT dept-412 , Orthopedic Center	OT-412	Mondays to Fridays	1.00 pm to 4.00 pm
11	Specialized Hand Clinic	Old K.E.M Hospital Building	Plastic surgery OPD	Thursday	1.00 pm to 4.00 pm.
12	Cardio Respiratory Rehab. Fitness and Disability Assessments	CVTC Building, Room No. 4	Room No. 4, Ground floor	Mon to Fridays Saturday	9.00 am to 4.00 pm 9.00 am to 12.30 pm

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. Optic coherence tomography
8. Advanced vitrectomy
9. Corneal transplant paediatric
10. OPTICAL Biometry
11. CATARACT, GLAUCOMA, SQUINT, PTOSIS surgeries
12. OPD PROCEDURES
13. CYCLO CRYO therapy

Orthopaedics

- Treatment of neglected musculoskeletal trauma, congenital, inflammatory, infective, neoplastic and degenerative pathologies affecting musculoskeletal system
- Office: 6th floor, M.S. Bldg. K.E.M. Hospital
OPD: Opp. Tata Hospital, Orthopaedic Centre Gr. floor
Wards : Ward 25, 26, 29 & 37 in M.S. Bldg, Ward 27, 28, 30 in OC Bldg. Orthopaedic Centre
Daily OPD [New Patients 8:30-1:00, Follow-up Patients 1:30-4:30]
24 hr emergency services [OTST in EMS complex]
- Orthopaedics department started Orthopaedic intensive care unit (OICU).
- Complex traumatology, Spine surgery, Arthroplasty, Arthroscopy & Sports Medicine, Ilizarov & limb deformity correction, Paediatric Orthopaedics, Orthopaedic Oncology, Shoulder & Elbow subspecialty services, Hand surgery
- Operating rooms:

Renovated and renamed as Joint replacement Routine Orthopaedic Centre Operation Theatre.(JROCOT)
 Spine Surgery Operation Theatre: Total renovated State of the art for spine surgery and other orthopaedics procedures. (JRSOT)
 Orthopaedic Trauma Services Theatre: (OTST) Two operating rooms located in the Emergency Medicine Services Complex.
 Orthopaedics Intensive Care Unit : One ICU room located in Spine OT.

Paediatrics

Patient Services	Number of patients
General Pediatric OPD	19548
Indoor Admissions	3376
EMS Attendance	9831
PICU Admissions	423
Under Five Clinic	3180
Pediatric Rheumatology Clinic	30
Pediatric Nephrology Clinic	26
Pediatric Chest Clinic	New – 68, Old - 310
Genetic Clinic	New- 455, Old - 139
School Clinic	474
Thalassemia day care center admissions	1286
Pediatric Epilepsy Clinic	New – 113; Old - 920
Learning Disabilities Clinic	419 (397 certified)

Diagnostic services

Test	No. of Tests Performed
Ceruloplasmin	142
Calcium	9022
Phosphorus	9022
Alkaline phosphatase	9022
Urea	9450
Creatinine	9450
Total protein	8900
Albumin	8900
Uric acid	8900
Total bilirubin	9512
Direct bilirubin	9512
SGOT	8894
SGPT	8894
Electrolytes (Na+, K+,Cl-)	9514
Electrolyte	8753

Test	No. of Tests Performed
Triglycerides	8753
Glucose	8753
Urinary Copper	159
Urine MPS	18
Urine Calcium	186
Urine Phosphorus	34
Urine Albumin	322
Urine Creatinine	374
Benedict's test	161
Porphobilinogen	4
Urinary pH	64
Urinary Ketones	5
Ammonia	656
GGT	124
Iron	17
Amylase	4

Paediatric Anaesthesia

- The department catered to 3 operation theater tables located in Paediatric OT complex. Anaesthesia services were given to about 677 surgical patients & the department catered to 1204 Anaesthesia OPD patients for pre-operative evaluation.
- In addition the department provides care and cover for sick children in the Paediatric Surgery 3ICU, along with anaesthesia services for children in remote locations such as Ophthalmology (45 cases), Gastroenterology (295 cases), MRI (244 cases), and CT scan(56 cases).
- Aid the Paediatric department in securing difficult intravenous access via central/peripheral route.
- Use of real time ultrasound has been extended beyond regional and vascular access to include airway assessment, 2D Echo as well as abdominal and lung assessment.
- Increased use of target controlled infusion for delivery of total intravenous anaesthesia
- Pediatric Anesthesia services have started in MRI

Paediatric Surgery

- The department has completed 335 cases of 3-D laparoscopy till date
- The department has completed cases using 92 HOLMIUM YAG LASER SYSTEM
- Patient Catered

Total OPD - 4840

Total admissions – 779

Total no of Surgeries – 954

Major surgeries – 576

Minimal access surgeries – 194

Minor surgeries – 378

Pathology

Investigation	Total
Hemogram/CBC	572830
Urine	45463
Fluids Routine	2882
CSF	2524
ABG	44572
PT	71986
FNAC	2087
Fluids & Sputum Cytology	1400
Surgical Histology (total Cases)	11197
Autopsy (total cases including histopath)	675
Immunology	30144
Biochem (lipids, enzymes CPK etc)	39340
MP	1222
D-dimer	610
IL6	305
Bone marrow biopsy	550
Special tests- Hemat	13970
Total	854407

Pharmacology & Therapeutics

- The Ayurveda Research Centre of the Department of Pharmacology and Therapeutics runs an OPD on Friday afternoon. Total patients registered from 1st January 2022 to 20th December 2022 were 962.
- Monitoring for Quality of Ayurvedic Formulations: A total of 20 Ayurvedic formulations were analyzed for synthetic steroids and out of these only 3 samples were found to contain synthetic steroids. In addition, 8 formulations were received for detection of heavy metals out of which 4 samples were positive for heavy metals.

Physiology

- In collaboration with Tata Memorial Centre Department of Physiology organized Platelet Donation Drive “Save a life –initiative” for platelet Donor

Physiotherapy

- Well Equipped Cardiopulmonary Rehabilitation Centre setup at CVTC Room no 16.(includes Treadmill, cycle ergometer, multigym, respiratory strength measurement device, cardioscope and monitoring facility for fitness assessment, post covid ,cardiac and pulmonary patients)
- BMC employee fitness assessment to resume at CVTC Gound floor Room No 16
- Health promotion and Fitness centre at Orthopaedic centre ground floor has been set up
- Department runs rehabilitation services for conversion disorders, Lymphoedema and Vascular Rehabilitation
- Neurorehabilitation (adult and Paediatric)Resumption of Parkinson's class post-pandemic, Installation of new wall bar

in room 3 PT OPD .

- Musculoskeletal Physiotherapy Services with special hand OPD

New patient care facilities provided:

- Antenatal and postnatal care: Physiotherapy services in the form of Group exercises, Pelvic floor rehab, Posture and Back care during breast feeding and other activities was initiated from October 2022. There were 300 beneficiaries for the same
- Geriatric Naigaon OPD: Physiotherapy services were started with department of Community medicine from October 2022. There were 89 beneficiaries for fall prevention and risk factor assessment and education.
- Centre Recognized for Registry in cardiac Rehabilitation in Low and Middle income countries

OPD : 41,178 beneficiaries	Indoor patients treated:105511
Musculoskeletal: 26384	
Hand OPD:2845	
Neuroscience adult:3771	
Neuroscience Paediatric:2344	
Fitness & Health Promotion:1921	
Cardiopulmonary Rehabilitation:3694	
Incontinence OPD:52	
Geriatric OPD:167	KEMH ICU:11417
KEMH wards:26976	
CVTC wards:5115	
CVTC ICUS:5997	
OC:54253	
ANC PNC:530	
Covid wards:1223	

Plastic Surgery

Indoor patients - Plastic surgery	875
Indoor patients – Burns	75
O.P.D. Patients	6500
Casualty Reference	775
Routine operations	1745
Emergency operations	3240

- Special services for patients: Comprehensive hand clinic, Thursday 2.30 pm
- Maxillofacial - Mondays, Ward 16, 2.30pm
- Occupational Therapy services exclusively for our dept.

Psychiatry

A. GENERAL SERVICES

- In the year 2022, the number of new patients seen in OPD were – 6611
- On follow-up the number of patients examined were approximately – 37648
- Total no. of Indoor patients admission in Psychiatry were - 498
- EEGs Total no. of patients - 394
- ECTs Total no. of patients – 1067
- Psychological testing Total no. of patients – 1843
- Deaddiction Centre
 - OPD New cases – 1192
 - Follow up cases – 8324
 - Indoor Admissions – 127
- Drug Deaddiction Laboratory Work Report (Jan 2022 To Dec 2022)
 - Total Urine Samples assessed for alcohol, morphine, cannabis, benzodiazepines, MDMA, cocaine, amphetamine and other miscellaneous samples (Pudi, Tablet, Misri) – 10276

B. SPECIALIST SERVICES

- Group Therapy Services

The Department provides group therapy services for patients/caregivers. The disorders and the number of patients counselled this year are as follows:-

Sexual dysfunctions group: - 102

- Dementia group/Memory Clinic – 91

Caregivers of Patients with Schizophrenia group – 316

- Deaddiction Ward Groups

- o Patient Psycho-education Group: 121 patients

- o Caregiver Group: 134 relatives

Specialized Clinics

Specialized clinics are also run for special groups of patients. The number of patients seen are:-

- Child Guidance Clinic (CGC) for children with psychiatric disorders

New cases: 362

Follow up: 680

No. of New patients for counseling by PSWs: 1084

Pulmonary Medicine

- Indoor Patient care :30 bedded indoor service,5 bedded Intensive Respiratory care unit and 3 bedded high dependency unit

New Patients	Old Patients	Total
6537	15804	22341

- Drug Resistant TB Service (Unit 2, GTB Hospital)

New Patients	Old Patients
399	1613

- Drug Sensitive TB Service

New Patients	Old Patients
1629	890

- Outpatient care:

Speciality Clinics

- Pulmonary Rehabilitation :- 870

- IP Clinic (Interventional Pulmonology):- 222

- Asthma Clinic :- 1600

- Sleep Disordered breathing:- 15

- Referral Consultation :- average 30 per day

- Post COVID sequelae management and pulmonary rehabilitation service provided.

- ABG Lab

ABG	Electrolytes	CO-Oximeter	Metabolites
58511	5759	5759	5759

- PFT Lab

Spirometry	2103
RV/TLC	479
DLCO	148
FOT	730
Total	3460

Asthma Education Service:1650

Radiology

Modality	Number of scans performed
CT	21215
MRI	6752
USG	OBST 9015 Non OBST 72683
Barium	326
IVP	440
Mammography	0
Interventional Radiology Procedures	VIR – 1570 INR - 625
XRAY(including General X-rays, OC bldg., CVTC, EMS X-ray, portable)	301806

- INTERVENTIONAL NEURORADIOLOGY -Total number of major cases – Appox. 160 which included paediatric age group – 3 patients of age 1-3 days of life.
- Our center is a tertiary referral center for paediatric neurovascular care- 40 cases.

Surgical Gastroenterology

New services added: Special Liver Transplant OPD started on every Monday afternoon.

MONTH	OPD NEW	OPD OLD	INDOOR ADMISSIONS	OPERATED
January	108	224	58	48
February	165	192	66	55
March	155	180	75	59
April	169	219	64	53
May	164	204	73	49
June	160	168	46	32
July	164	207	83	55
August	148	254	58	42
September	161	231	72	45
October	147	212	62	37
November	130	185	65	50

Transfusion Medicine

- In addition to the routine services like grouping & crossmatching of 2 lakh Blood units per year.
- Single Donor Platelets (prepared by plateletpheresis) provided to patients, particularly to those with hematological disorders, monsoon related illnesses and those undergoing cardiac surgery.
- Total units 8391 of Random Donor Platelets (RDP) and 106 units of Single Donor Platelets (SDP) were issued to the patients.
- A total of 14189 units of Fresh Frozen Plasma (FFP) and 1076 units of cryoprecipitate were prepared. 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

- 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.1.30To5.30 pm- avge 210 patients / OPD day

General Urology- Saturday8.30 To1.30 pm - avge 220-250 patients / OPD day

Andrology - Saturday8.30 To1.30 pm - 25-30 patients / OPD day

Diagnostic

- 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.
- Uroflowmetry : This laboratory, located in the department helps in evaluating people with obstruction to urine flow.
- Doppler ultrasound: This investigation helps in evaluating patients with infertility and following transplantation.
- Radiological investigations like Retrograde Ureterogram and Retrograde Pyelogram.
- Uro-endoscopy
- Phallosdynamic Studies (Impotence Studies).
- TRUS: Trans Rectal USG with prostatic Biopsy for diagnosis of Ca prostate.
- Urodynamic study: Pressure flow studies.

Treatment Modalities Offered by the Department

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 varicocelectomy, AV Fistula for dialysis
 13. ESWL –
- OPD attendance- Gen. Urology-New -4183 Old-5592, Stone clinic- New-2803 Old-2947, Infertility- New-133 Old-33
 - Indoor admissions- 1475

Open work - 60 to 70% in operative work	
Transplant –	
(LRDT + Cadaver)	22+2
Endo-urology :	
VIU	63
TURP	109
URS	134
PCN	169
PCNL	232
PCCL	55
U plasty	43
TURBT	36
Laparoscopy	121

Operative Workload - USG-190, Uroflowmetry-1412

Publications

Publications

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- Maternal Mortality – Lessons Learnt From Autopsy (Springer 2022 – Chapter Contributions - Co-authors: Asha Shenoy, Daksha Prabhat, Manjusha Karegar, Pradeep Vaideeswar, Tejaswini Waghmare)
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- Dr Jayashree Sharma has contributed for the NATIONAL STANDARDS FOR BLOOD CENTRES & BLOOD TRANSFUSION SERVICES, SECOND EDITION 2022, as an Expert Member of Technical Committee for Reviewing and Revising the Standards for Blood Banks and Blood Transfusion Services, published by Directorate General of Health Services, Govt of India, supported by World Health Organisation, India Country Office.
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- 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>
- 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
- Impact of surgical intervention on progression to end-stage renal disease in patients with posterior urethral valve Journal African journal of urology Rishikesh velhal, Aadhar Jain, Anveshi nayan, Sujata patwardhan, Bhushan patil DOI 10.1186/s12301-021-00261-8
- Renal dysplasia with giant renal calculus: management nightmare-international journal of current medical and pharmaceutical research. Aadhar 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. Jibhakate^{1*}, Sujata K. Patwardhan¹, Ajit S. Sawant², Hemant R. Pathak³, Bhushan P. Patil¹ and Hitesh Kamal¹. <https://doi.org/10.1186/s12301-021-00196-0>

Research

Research

Anaesthesia

- 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 Caesarean 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 Anaesthesia 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 Survey to Assess Patient's Knowledge about Anaesthesiologists and Anaesthesia."
- "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,observational study for pulse Co-oximetry perfusion index as a tool for acute post operative pain assessment and it's correlation to visual analogue pain score
- Effect of sitting position on tongue size for patients under general anaesthesia in neurosurgery.
- Randomised control trial comparing intubating conditions in 25° head up position and supine position.
- Comparative study of the efficacy and safety of hyperbaric solutions of bupivacaine v/s levobupivacaine v/s ropivacaine in elective inguinal hernia surgeries under subarachnoid block : a double blind randomized controlled trial
- Effect of varying time intervals between propofol and fentanyl administration and its effect on induction dose of propofol: a randomised control trial.
- internal jugular vein collapsibility as a predictor of hypotension after Spinal anaesthesia
- Comparison of cerebral oxygen saturation monitoring in pre-eclamptic pregnant women and normotensive pregnant women undergoing caesarean section under spinal anaesthesia : a prospective observational study'
- IJV collapsibility comparison with IVC collapsibility before and after spinal anaesthesia
- Comparison of the depth of the subarachnoid space using Stocker's formula and Ultrasonographic measurements with actual depth of needle insertion in patients receiving subarachnoid block at lumbar level: A prospective observational study
- Effect of preloading on haemodynamic changes using inferior venacava collapsibility index and the perfusion index in patients undergoing laparoscopic surgery under general anaesthesia a prospective observational study.
- Comparison of three approaches of Ultra Sound Guided Internal Jugular Vein Cannulation: A prospective Randomised study
- Retrospective audit of anaesthesia management for cochlear implant
- Comparison of recovery profile in patients undergoing aneurysm coiling using desflurane and sevoflurane with the help of bispectral index and minimum alveolar concentration."
- Effect of High Fresh Gas Flow and Pattern of Breathing on Rapid Preoxygenation.
- A prospective Randomised Double blind study,comparing post operative Analgesia using Dexmedetomidine vs Dexamethasone as an adjuvant to 0.25% Bupivacaine in USG guided Erector spinae plane Block in Thoracolumbar spine surgeries.
- Evaluation of perfusion index as an objective tool to assess analgesia during laparoscopic surgeries under general anaesthesia
- An observational study on knowledge, attitude and practice of preoperative fasting in case of elective surgery amongst post graduate trainees at a tertiary care hospital.
- "Anaesthesia in patients undergoing percutaneous nephrolithotomy in a tertiary care hospital: A prospective observational study."
- Prospective observational study for assessing the depth of subarachnoid space by ultrasound in median and parasagittal oblique view vs. Actual depth of needle insertion for spinal anaesthesia.
- Comparison of volume controlled ventilation and pressure controlled volume guaranteed ventilation in patients undergoing laparoscopic surgery.

- Awareness about scope of anaesthesiology amongst postgraduate students in anaesthesia, attitude towards speciality, a cross sectional study.
- A prospective observational study to evaluate changes in optic nerve sheath diameter in pregnant patients with preeclampsia
- Comparison of endotracheal tube cuff pressures inflated using two techniques - Minimal Occlusive Volume and Pressure Volume Loop Closure used as a guide to provide adequate seal of airway'
- Prospective observational study for estimating the optimal depth of insertion of endotracheal tube in orotracheal intubation using ultrasound and clinical parameters (5-point auscultation) in indian population at tertiary care hospital.
- A Survey of Indian Anaesthesiologist Knowledge and Attitudes Regarding Obstructive Sleep Apnea.
- effect of music on patients undergoing laparoscopic abdominal surgery under general anaesthesia.
- Use of heaven criteria for predicting difficult airway in patients posted for emergency surgery: a prospective observational study
- A prospective study to compare the duration in laryngoscopy and intubation between McCoy laryngoscope and CMAC D blade in neutral position with manual in line stabilization in tertiary care hospital'
- Prospective audit of gastrointestinal endoscopic procedures under anaesthesia in the tertiary care hospital.
- Preoperative assessment of gastric content and volume using ultrasound in adult patients posted for emergency lower limb surgery
- Prospective Observational Study of the Time Taken by Pre and Post MD Residents for Pre-Procedural Ultrasound Scanning
- Tracheal Intubation In Patients with Atlanto Axial Dislocation: A Prospective Observational Study
- "Incidence and Risk Factor of Postoperative Shivering After General Anesthesia : Prospective Observational Study"
- Questionnaire based assessment about cpr and indian resuscitation guidelines for cpr among junior resident doctors of tertiary care centre'
- A prospective study to compare the time required for laryngoscopy and intubation between Macintosh laryngoscope and CMac C blade'
- Low dose intravenous ketamine in the management of postoperative pain following laparoscopic cholecystectomy : a prospective randomised controlled study.
- Comparison of unilateral spinal anaesthesia with sciaticofemoral block for surgical management of diabetic foot-a prospective observational study.
- 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."
- "Retrospective analysis of anaesthesia management of Post COVID mucormycosis patients posted for FESS".
- 'Effect of yoga and well being on pain perception using cold presser test'.

Anatomy

- Models, Display of Bones and X rays and Living anatomy by Dr. Kishor Khushale
- Online Programmatic Assessment to Supplement Traditional Formative Assessment in Anatomy for Phase I MBBS Students by Praveen Iyer
- Integrated assessment for medical students by Dr. Rashmi Patil
- A Morphometric study of atlas by Dr. Sikandarbanu Yerolavi
- A morphological study of patella by Dr. Harish Gaikwad
- A new method of preparing dry bones from embalmed cadavers by Dr. Rajneesh Pandey
- A morphological study of quadriceps femoris by Abhijeet Dhende
- A morphological study of tibia by Dr. Anjali Telang
- A morphologic and morphometric study of rectus sheath by Dr. Dhaval Patil
- A morphological and morphometrical study of menisci by Dr. Sarita Margam
- Attitudes of undergraduate medical student towards journals by Dr. Ashwini Moolya

Biochemistry

- Blueprints in biochemistry for written examination in competency based undergraduate medical education
- Metabolomic signature of amino acids and its correlation with indices of obesity and glucose regulation in indian obese and non-obese adult population

- Development and validation of tool for evaluation of implementation process of foundation course for phase-i mbbs students
- Atherogenic lipid profile in indian iugr newborns: a review
- Serum ischemic modified albumin in hyperemesis gravidum
- Biochemical profile in subclinical hyper and hypothyroidism.
- Role of vitamin d and ace2 in endothelial dysfunction among covid 19 patients from mumbai, Maharashtra, in collaboration with NIIH-ICMR

Cardiology

- SELECT- Semaglutide effects on cardiovascular outcomes in people with overweight or obesity.
- EMPACT-MI: A streamlined, multicentre, randomised, parallel group, double blind placebo controlled superiority trial to evaluate the effect of EMPagliflozin on hospitalization for heart failure and mortality in patients with aCutTe Myocardial Infarction.
- ZEUS-effects of ziltivekimab versus placebo on cardiovascular outcomes in participants with established atherosclerotic cardiovascular disease, chronic kidney disease and systemic inflammation.
- RIVACA: A phase IV study to investigate the safety and effectiveness of Rivaroxaban (Xarelto) 2.5mg (BID) +Acetylsalicylic acid (ASA) 75mg (OD) in Indian patients with coronary and/ or symptomatic peripheral artery disease.
- A randomised, double blind, placebo controlled, Phase III study comparing the efficacy and safety of Tirzepatide versus placebo in patients with heart failure with preserved ejection fraction and obesity (SUMMIT).
- A randomised, double blind, placebo controlled, multicentre trial, assessing the impact of Inclisiran on major adverse cardiovascular events in participants with established cardiovascular disease
- TUXEDO-2 -Ultra thin strut versus Xience in a diabetic population with multivessel disease India Study
- PORTICO- Prospective single arm multicenter non randomised phase IV clinical trial of transcatheter cell expanding aortic prosthesis

Cardiovascular and Thoracic Anaesthesia

- Comparative evaluation and validation of EUROSCORE II and STS SCORE in predicting outcomes in the Indian Cardiac population : A prospective study from a tertiary Cardiac Care Centre.
- Comparison of single dose tranexamic acid iv vs topical tranexamic acid vs placebo in reducing post operative bleeding in patients undergoing off pump coronary artery bypass graft.
- Assessment of gastric volume and content using ultrasound to prevent risk of aspiration.
- Sugammadex versus Neostigmine : A comparative study of efficacy and safety in Cath Lab.
- Use of gastroLMA in TEE guided device closures.
- Can Cerebral Oximetry be a surrogate monitor of cardiac output in OFF Pump Coronary Artery Bypass Grafting Surgery?
- Safety and Feasibility of Generation Laryngeal Mask Airways with wide gastric port for Trans-esophageal guided transcatheter device closure procedures: a prospective observational study.

Clinical Hematology

- 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.

Clinical Pharmacology

- Assessment of factors that motivate participants to take part in a COVID-19 vaccine study.
- A Pharmacokinetic Profiling Study of combination of Camylofin 50 mg and Paracetamol 325 mg Single tablet regimen in Healthy Participants .
- An audit of questions asked by participants during the informed consent process of a phase 4 Anti-Rabies Monoclonal Antibody at a tertiary referral centre.
- Evaluation of satisfaction and reasons for participation in a COVID-19 Vaccine Clinical Trial: a single centre observational study.
- Therapeutic Drug Monitoring of Tacrolimus - Personalized Therapy in Indian Population - A Pilot study .

- Time-trend analysis of Therapeutic Drug Monitoring Services of Antiepileptic drugs in a tertiary care hospital.
- Comparison of WHO-UMC and Naranjo scales for causality assessment of reported adverse drug reactions .
- Determination of Antimicrobial Utilization in the Paediatric Intensive Care Unit (PICU) of a Tertiary Care Hospital
- Evaluation of a Structured, Continuous Training and Reinforcement Module for Surgical Faculty and residents on Rational Antimicrobial Prescribing for Surgical Prophylaxis
- A randomized, open label, parallel, proof of concept study to evaluate efficacy and safety of topical Phenytoin cream in adult patients with Diabetic ulcers.
- Establishing a multi-centric national registry for aplastic anemia in India.
- Training for Pharmacokinetics practical (DM Clinical Pharmacology): to study the pharmacokinetic parameters of Voriconazole in healthy human volunteers.
- Training for Pharmacodynamics practical (DM Clinical Pharmacology): to study the hand grip strength in healthy participants and in stroke patients using Hand Dynamometer apparatus.
- Prediction of factors influencing Indian adults 'likelihood of accepting any COVID-19 vaccination and willingness to pay – a discrete choice experiment study" COVID-DCE study.
- Evaluation of efficacy and safety of SARS-CoV-2 vaccine in a registry of patients with Inflammatory Bowel Disease (IBD) a proof-of-concept study. (EC/GOVT-06/2021) – Collaborators - Translational Health Sciences and Technology Institute (THSTI), Faridabad and Department of Gastroenterology
- A non-inferiority randomized trial to assess the efficacy of 10 mg hydroxyurea/kg/day versus 20 mg hydroxyurea/kg/day in treatment of sickle cell disease patients of tribal and non - tribal areas in India (ICMR-NIIH/IEC/CT-05) Collaborator – ICMR-NIIH
- Discrete choice experiment to understand the demand for and acceptance of influenza vaccine in Indian population: A Health Economic Study (Collaborators: The INCENTIVE Consortium, DBT)
- A Phase III, multicentre, randomized, double-blind, placebo-controlled, interventional study on efficacy and safety of Standardized fraction of *Picrorhiza kurroa* Royal Ex Benth (Picroliv®) for 24 weeks in the Management of Non-Alcoholic Fatty Liver (NAFL) and / or Hepatic Steatosis (Multi-centre study. KEM Collaborator: Dr Akash Shukla, Gastroenterology)
- OrION Study- Optimizing Informed consent in Clinical Trials in low- and middle-income settings: feasibility of an adopted Quine T Recruitment Intervention (QRI) in India. United Kingdom based Medical Research Council (UKMRC)- £7917
- End Flu Study- Evaluation of Rationality Designed Influenza Vaccines.
- Incentive Study- Indo-European consortium for next generation Influenza Vaccine Innovation.
- A prospective randomized, double blind, placebo-controlled study of ZYBK2 to evaluate the safety, tolerability, pharmacokinetics and pharmacodynamics in patients with Rheumatoid arthritis
- A Phase III, Prospective Multicentric, Clinical Study in the Management of Pregnancy Induced Cholestasis to Evaluate the Efficacy and Safety of Ursodeoxycholic Acid (Udiliv) Tablets [PICTURE Study]
- 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
- Evaluation of Genotyping and Therapeutic Drug Monitoring vs. only Therapeutic Drug Monitoring as a strategy for Risk Minimization in epileptic patients on Phenytoin therapy: A Randomized Controlled Trial"
- 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
- IBD Flu Vaccine Study- Evaluation of efficacy and safety of Quadrivalent Influenza Vaccine (FluQuadri™) in patient with Inflammatory Bowel Disease (IBD)-a case control proof of concept study.
- Flu DCE Study- Prediction of factors influencing Indian adults' likelihood of accepting any Influenza vaccination and their willingness to pay – a discrete choice experiment study.
- Influenza Vaccine Hesitancy Study- The burden and predictors of Influenza vaccine hesitancy in adults-a cross-sectional study from the state of Maharashtra, India.
- Phase III, randomized, double blind, multi centre, active control clinical trial to assess the safety and efficacy of Cap. PCOSNIL in management of PCOS patients.
- Study of comparative effectiveness and safety of metformin, myoinositol, lifestyle changes and herbal medicines in improving endocrine and clinical variables in management PCOS patients: a systematic review and a network meta-analysis

- Perspective of gynaecologist on the management of polycystic ovarian syndrome (PCOS) – A Discrete Choice Experiment. (DCE)

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. PI- Dr. Gajanan Velhal
- Operational Research study sanctioned by NACO on 'Delayed Diagnosis among Women (widows) Living with HIV & its impact on their health status, stigma & coping mechanism' for 2022-23

Dermatology

- A retrospective observational study of clinico-histological correlation of cutaneous adverse drug reactions.
- A retrospective observational study of interface dermatitis with clinico-pathological correlation.
- A cross-sectional observational study to correlate the trichoscopic findings of Female Pattern Hair Loss with disease severity and underlying histopathological changes.
- A study of association between histopathology and dermoscopy of clinical variants of seborrheic keratosis.
- A clinico epidemiological study of pigmented purpuric dermatoses.
- Scalp biopsy in relation to dermatological diagnosis: A retrospective cohort study in tertiary care centre in western India.
- A clinico-epidemiological study of cutaneous manifestations in patients with chronic kidney disease.
- A descriptive observational cross sectional study of clinico epidemiological aspects of Adult Acne and its effect on quality of life.
- A clinico-epidemiological and pathological study of flexural Dermatoses and its effect on Quality of Life.
- A clinico-epidemiological study of Reaction patterns in Leprosy in a tertiary care hospital.
- A clinico-epidemiological study of dermatoses in adolescents and its impact on their quality of life.
- A clinico-dermoscopic evaluation of facial melasma with screening of subclinical spread in a tertiary care hospital.
- A clinico-epidemiological study of nail disorders in paediatric population.
- A clinico-epidemiological study of vascular tumors.
- A clinico-epidemiological study of Scaly scalp.
- A study of dermoscopic features of Cutaneous Tuberculosis.
- A retrospective study of clinicohistopathological and dermoscopic correlation of Dowling Degos disease in 10 families.
- A retrospective study of efficacy of diphenylcyclopropenone in recalcitrant Alopecia areata and its correlation with duration and poor prognostic factors.
- A Phase 3 multicentre Double Blind study to evaluate the long term safety and efficacy of Baricitinib in adult patients of atopic dermatitis.

Endocrinology

- Iso-sexual precocious puberty: single-center experience.
- Pediatric Ectopic ACTH Syndrome Case series and review of literature
- Pediatric Cushing's disease- Single center experience from western India
- Case series of aromatase deficiency - a single centre experience
- Effectiveness of various diagnostic tests in Cushing Syndrome: A retrospective analysis.
- Dysglycaemia in patients with previously diagnosed Gestational diabetes mellitus by IADPSG criteria Analysis of Data
- Ambulatory blood pressure monitoring in pheochromocytoma –paraganglioma: A retrospective study
- Range of salivary cortisol (morning and late-night), and Overnight dexamethasone suppressed serum and salivary cortisol in chronic renal failure patients.
- Functioning Gonadotroph Adenomas: Case Series and a Review of Literature
- Genotype-phenotype correlation in hypophosphatemic rickets: single center experience from western India
- Next-generation sequencing in Pheochromocytoma – Paraganglioma: single centre experience from Western India.
- 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
- Evaluation and management of patients with Pituitary apoplexy: A retrospective study
- Pancreatic Neuroendocrine Tumors: Experience from a single tertiary center in India
- Adrenocortical carcinoma in children and adolescents: Retrospective analysis

- The Retrospective analysis of Giant prolactinoma: A single centre experience.
- Primary Hyperparathyroidism in the Young- A Single Centre Experience”.
- Study of effectiveness (and its predictors) of hMG Pre-treatment followed by combined gonadotropin therapy) (hMG+HCG) in male IHH (Idiopathic hypogonadotrophic hypogonadism) patients.
- Side Chain Cleavage enzyme deficiency: A single centre experience and systematic review
- Clinical validation of AllT-Check, a point of care device for the detection of T3, T4 and TSH in the blood
- TSH secreting pituitary adenoma- Experience from a tertiary care centre
- Tumour Induced Osteomalacia
- Functional gonadotroph pituitary adenoma- Experience from a tertiary care center
- ICMR study: Formation of registry of people with diabetes in India with young age at onset. (Phase II)
- A Randomized, Open label, pilot Study to Compare the Efficacy of Pioglitazone (7.5 mg) and Pioglitazone (15 mg) on Glycemic Control in Patients with Type II Diabetes Mellitus who are not controlled on either metformin (single drug) or both metformin and DPP4 inhibitors/ sulfonylurea (2 drugs) or metformin, sulfonylurea and DPP4 inhibitors (3 drugs)
- A Nuclear Magnetic Resonance-Artificial Intelligence (NMR-AI) based Hybrid Approach for Modelling the Progression of Type 2 Diabetes Mellitus (T2DM)
- Study of maternally inherited mitochondrial DNA variants in women with Polycystic Ovarian Syndrome
- I8F-MC-GPGN(a) The Effect of Tirzepatide versus Dulaglutide on Major Adverse Cardiovascular Events in Patients with Type 2 Diabetes (SURPASS-CVOT)
- SIRO-CIPLA study (Inhaled Insulin): 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.
- A research study to see how well the new weekly medicine IcoSema, which is a combination of insulin icodec and semaglutide, controls blood sugar level in people with type 2 diabetes compared to weekly insulin icodec (COMBINE 1). Trial ID: NN1535-4591
- A Randomized, Controlled, Multicenter Study to Evaluate the Safety and Efficacy of Paltusotine in Subjects with Non-pharmacologically Treated Acromegaly.

Forensic Medicine & Toxicology

- Retrospective Study on Gender Based Violence- Deaths Due to Gender Based Violence At a Tertiary Care Centre in Mumbai
- Co-relation of Cronological Age of Individual with Anthropological Para-meters & Dental Status.
- Sexual Dimorphism from Mandibular Canine Index in Autopsy Bodies At Tertiary Care Centre Mumbai.
- Spectrum of Non ischemic Cardio-Vascular Pathology In Sudeen Natural Death.
- Medicolegal and socio Demographic study of death due to burns at tertiary care centre.
- Retrospective Study on Deaths Due to Violence Against Women & Children At Tertiary Care Institution.
- A Comparative Study of Post-mortem Computerized Tomography Medico Legal Postmortem Findings At a Tertiary Care Institution.

Gastroenterology

- 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
- “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”

- “Multicentric, Phase IV, randomized, double blind, placebo controlled trial to assess effectiveness and safety of Lactobacillus acidophilus LA-5® and BifidobacteriumBB-12® in the treatment of Non-Constipated Irritable Bowel Syndrome in adults aged 18 years to 65 years.
- “The effect of Semaglutide in subjects with non-cirrhotic non- alcoholic steatohepatitis.
- A study of gonadal function in male Budd Chiari syndrome (BCS) patients before & after appropriate therapy.”
- Evaluation of the role of capsaicin on intestinal permeability, visceral hypersensitivity and gut TRPV1 receptors in patients with irritable bowel syndrome.
- 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.
- US-320-0108 “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”
- “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
- “Multicentric, Phase IV, randomized, double blind, placebo controlled trial to assess effectiveness and safety of Lactobacillus acidophilus LA-5® and BifidobacteriumBB-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

- Does trauma life support training improve patient outcomes? A pilot cluster randomised controlled trial.A multicentre quasi-experimental study.
- A retrospective study of pancreatic trauma in a tertiary care center
- Impact of Orientation program on New Surgery Residents
- Malnutrition in Surgical Patients
- A prospective study of microbiology of perforative peritonitis & its effect on outcome.
- Out of pocket expenditure in isolated traumatic brain injury patients
- Does delay in onset of symptoms to surgery cause poor outcomes in a case of necrotizing fasciitis?
- Retrospective study to predict difficult laparoscopic cholecystectomy based on clinical scoring system.
- Mode of injuries and their outcomes in trauma patients in a tertiary care setting
- A audit of emergency surgical COVID-19 admissions in department of General Surgery in tertiary care in three different waves.
- Short outcomes of midline laparotomy closure with slowly absorbable suture(polydioxanone) versus nonabsorbable (polyamide) suture- A comparative observational study.
- Outcomes of Laparoscopic Cholecystectomy in patients with choledocholithiasis with Cholelithiasis without Common Bile Duct Stenting post clearance: A Prospective Observational Study
- A retrospective study of postoperative paralytic ileus in elective ventral hernia repair

- To assess prevalence of secondary sarcopenia in a patient of chronic pancreatitis using hand grip strength, gait speed and skeletal mass index.
- A Prospective comparative study of monofilament suture and steristrips in the management of skin closure of contused lacerated wound over joints
- A Prospective observational study comparing transabdominal preperitoneal and totally extraperitoneal techniques of laparoscopic inguinal hernia repair
- Role of Omega 3 fatty acids on immunomodulation in acute pancreatitis
- Factors affecting mortality in an operated case of ischemic bowel disease in tertiary care centre: a Retrospective observational study.
- Evaluation of operative difficulties faced during delayed laparoscopic cholecystectomy post ERCP in comparison to the historic data of early laparoscopic cholecystectomy post ERCP: retrospective study
- Retrospective study of retroperitoneal approach to laparoscopic adrenalectomy in terms of surgical outcomes
- Retrospective study of clinical profile of patients with Fournier's gangrene and utility of Fournier gangrene severity index in predicting the outcome
- Knowledge attitude and practice regarding Ca Breast screening among hospital employees and residents doctors working in tertiary care centre.
- Surgical audit of surgical site occurrence (SSO) in patients with ventral hernia repair.
- Prospective observational study on the correlation of frailty and outcomes of emergency laparotomy in elderly patients.

Medicine

- Pharmacogenomic Evaluation Of Tenofovir Induced Renal Toxicity In Indian HIV-1 Positive Patients”.
- NIRRH- Health system cost for providing Anti-Retroviral Therapy, family planning and pregnancy-related services to Women Living with HIV in public health settings, Mumbai.
- Clinical Profile and outcome of patients presenting with Guillain-Barre Syndrome (GBS) in a medical ICU of a tertiary care hospital
- A Study of patients with Hyponatremia in Acute Cerebrovascular accidents at a tertiary healthcare centre.
- Clinical and hematological profile of patients with bicytopenia
- A Clinical Study to understand the clinical profile and assess palliative care needs of patients with chronic medical conditions admitted at a tertiary care hospital
- Clinical profile and outcome of Pancytopenia
- Clinical profile of Acute flaccid paralysis.
- A Study to evaluate Thyroid Profile in Patients with Liver Cirrhosis and correlation of thyroid profile with clinical and biochemical parameters of severity of liver disease
- In field of Palliative care Medicine to understand Palliative care needs n care giver burden in non-oncology medical illnesses.
- 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
- Evaluation of KAP of Hand Hygiene among medical students and Health workers, a questionnaire based cross sectional study.
- A Study of Fungal Infections in tertiary care in medicine department.
- Study of AKI in Liver Cirrhosis
- Study of outcome in GBS with Autonomic Dysfunction
- Study of ABPM in Young Hypertensive patients.

Microbiology

- The scabies microbiota consortium toward new interventions in collaboration with QIMR , Brisbane , Australia.
- Utility of Xpert Xpress SARS-CoV-2 assay for rapid detection of SARS-CoV-2 in a tertiary care center.
- Is there an association between Tuberculosis and COVID-19 - A questionnaire based study.
- Prevalence of Tuberculosis in children and adolescent in a tertiary care center
- Knowledge and Attitude of Healthcare Professionals towards Hand Hygiene Practices in a Tertiary Care Hospital
- Implementation and observations of Hospital Infection Control Practices in a Tertiary Care Hospital.
- Utility of rapid antigen test for COVID-19 at a tertiary care centre.
- Persistent positivity of SARS-CoV-2 RNA in COVID-19 patients.

- Burden of positivity of asymptomatic COVID-19 suspects at a tertiary care teaching hospital.
- Comparison of Gastric lavage/ Sputum and Stool specimens in the diagnosis of Pediatric Pulmonary Tuberculosis- A pilot study
- Prevalence of HIV, Hepatitis B, Hepatitis C and Syphilis in patients attending STI/RTI clinic of Tertiary Care Centre in Mumbai
- Performance characteristics and operational feasibility assessment of CRISPR based TATA MD TM Check diagnostic test for SARS-CoV-2 (COVID-19)
- Relevance of retesting of rifampicin resistant tuberculosis in newly diagnosed pulmonary tuberculosis patients.
- Prevalence of Hepatitis A and E in acute viral hepatitis patients.
- Incidence and risk factors for catheter related blood stream infections in haemodialysis patients.
- Clinico-microbiological relevance of significant bacteriuria in post kidney transplant patients.
- Evaluation of diagnostic performance of Xpert MTB/RIF Ultra assay in suspected tuberculous meningitis cases in a tertiary care setting.
- Prevalence of invasive aspergillosis in hematological patients in a tertiary care hospital.
- Prevalence of Chikungunya infection among patients presenting with acute febrile illness in a tertiary care hospital in Mumbai.
- 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
- Fosfomycin susceptibility in Enterobacteriaceae and Enterococcus species causing Urinary tract infections.
- Prevalence of rota virus diarrhoea in children under 5 years of age admitted to tertiary care hospital.
- Study of fungal rhinosinusitis in tertiary care hospital.
- Biofilm detection in isolates recovered from musculoskeletal infections.

Neonatology

- Mother to child HBV transmission.
- Diagnostic accuracy of neutrophil to lymphocyte ratio in neonatal sepsis in comparison to body fluid culture: A retrospective observational study.
- Clinical profile, complications and short-term outcomes of therapeutic hypothermia in neonates with moderate to severe hypoxic ischemic encephalopathy from India – a single centre retrospective observational study
- Initiation Regimen for multicomponent human milk fortification in Extremely Low Birth Weight preterm Neonates (IRENE): A randomised control trial
- Extra uterine growth restriction: Incidence and predictive factors in a cohort of very low birth weight neonates – a prospective observational study
- Effect of 12 hourly vs 24 hourly dosing intervals of antenatal betamethasone on neonatal outcomes- a retrospective observational study from a low-middle income country.
- Growth and neurodevelopmental outcomes at 18 months in a follow up cohort of 21- SARS COV2 infected neonates- a prospective observational study
- Correlation of breast milk sodium level with lactation performance: an observational study.
- Improving routine use of analgesia for venipuncture in tertiary level NICU - A QI study
- Diagnostic accuracy of point of care testing for C reactive protein, interleukin-6 and procalcitonin in neonates with suspected sepsis.
- Slow enteral feed advancement with late human milk fortification versus fast enteral feed advancement with early human milk fortification in preterm infants >30 weeks gestation- a randomized controlled trial
- A comparison of different dosing regimen of intravenous paracetamol for haemodynamically significant patent ductus arteriosus closure in premature neonates< 32 weeks gestation- a prospective observational study.
- Phonocardiogram in screening for critical congenital heart diseases in newborn infants: a test accuracy study
- Paper-based diagnostic device for detecting neonatal sepsis
- Development, optimization and validation of LCMS/MS based laboratory test for newborn screening
- Clinical outcome in preterm babies admitted in NICU- an audit
- Adherence of developmentally supportive care- a memory based approach vs a mobile app based approach
- Clinical outcomes related to human milk fortification in very low birth weight preterm infants post discharge- a prospective observational study.

- Breast milk fortification with human milk derived human milk fortifier (HHMF) versus bovine milk derived human milk fortifier (BHMF) in preterm infants < 30 weeks gestation: A randomised control- non inferiority trial from western India.
- Blood transfusion in very low birth weight infants: a prospective observational study.
- Perinatal Palliative Care (PPC) and Parental satisfaction scores: A prospective observational study from a tertiary care neonatal intensive care unit in Western India.
- Neonatal palliative care in a tertiary level NICU: A prospective and retrospective observational study from Western India.
- Clinical and microbiological spectrum of fungal sepsis in neonates admitted in tertiary care level III NICU- a retrospective observational study.
- Diagnostic accuracy of point-of-care testing for International normalized ratio in neonates with coagulopathy - A prospective observational study
- Collaboration with World Science Foundation in the project titled Phonocardiogram in screening for critical congenital heart diseases in newborn infants: a test accuracy study

Nephrology

- FLOW - Effect of semaglutide versus placebo on the progression of renal impairment in subjects with type 2 diabetes and chronic kidney disease.
- A phase 3 randomized controlled study of renal autologous cell therapy (react) in subjects with type 2 diabetes and chronic kidney disease (REGEN)
- A prospective interventional phase IV, open label, single arm study to assess the safety and effectiveness of finerenone in participants from India with chronic kidney disease associated
- 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

- Phase III multicenter, randomized, double blind , double dummy, parallel- group study to evaluate the efficacy and safety of fenebrutinib compared with teriflunomide in adult patients with relapsing multiple Sclerosis”

Neurosurgery

- Multicentric study of spinal cord injury(Phase 2) along with PHARMAZZ INDIA collaboration

Nuclear Medicine

- 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

- Study of complications and challenges in a repeat caesarean section: prospective study in a tertiary care center
- Robson ten criteria : Applicability in a tertiary care center
- Knowledge and attitude of permanent contraception attitude in females
- Modified Early Obstetric Warning Score :feasibility and validation in high risk women in tertiary care
- An observational study to evaluate the maternal and fetal outcome of the pregnant women with polyhydramnios in a tertiary care center
- Critical analysis of failed induction of labour
- Obstetric outcome in surgically scarred uterus
- Placental site implantation disorders and its implications in third trimester of pregnancy
- determinants of sexual activity in primigravidae and multigravidae
- A study of different sites of implantation of ectopic pregnancy and its management
- Menstrual hygiene management- knowledge ,attitude and practices in college students
- Maternal perception of decreased fetal movements and its perinatal outcome
- Cholestasis of pregnancy: a prospective observational analysis of maternal and fetal outcomes
- A prospective study of analysis of maternal and neonatal outcome following preterm prelabour rupture of membranes
- Comparative study of fetomaternal outcome of primary caesarean section in primigravidae versus multiparous
- Prediction of adverse maternal outcomes using the fullpiers score in preeclampsia –a prospective observational study
- Deranged LFTs in pregnancy and maternal and perinatal outcome
- Review of torsion of adnexal masses in a tertiary care center
- Audit of massive transfusions in obstetrics
- Analysis of maternal and fetal outcomes in breech delivery
- Maternal and perinatal outcome in third trimester bleeding
- Effect of a structured counselling session over knowledge and acceptance of postpartum temporary contraceptive in first time parents at a tertiary care hospital
- Analysis of caesarean section by Modified Robson's criteria at a care center (a retrospective observational study)
- Postnatal umbilical coiling index and its association with maternal risk factors and perinatal outcome
- Evaluation of obstetric and neonatal factors leading to term admissions in the neonatal intensive care unit
- Perinatal outcome in elderly gravida over 35 years of age
- Fetomaternal outcomes in second stage LSCS
- Study of perinatal outcome in meconium stained liquor
- Fetomaternal outcomes of pregnancies conceived with assisted reproductive techniques referred to our tertiary care center
- Determinants of choosing permanent method of contraception among multiparous women
- Study of maternal and perinatal outcome in postdated pregnancy
- Analysis of maternal and fetal outcomes of different methods of delivering deeply engaged fetal head at full dilatation of cervix
- A prospective observational study to evaluate maternal and neonatal outcome in outlet forceps delivery
- Assessment of knowledge among pregnant women regarding warning signs in pregnancy
- A prospective review of referrals to tertiary care institute for obstetric indications and their maternal and fetal outcomes
- Comparative study of tablet misoprostol only and mifepristone and misoprostol in second trimester abortion in pregnancy
- Role of color Doppler in perinatal mortality in term preeclampsia
- Study of maternal and fetal outcomes in on rheumatic heart disease in pregnancy
- A retro prospective analysis of placenta accreta spectrum and its maternal and fetal outcome in a tertiary care center
- Perinatal outcome in oligohydramnios at term
- Knowledge and attitude of limitations and challenges of breastfeeding in females
- Doppler cerebroplacental ratio and perinatal outcome in late onset intrauterine growth restriction cases.
- Involvement of paternal imprinting at microRNA clusters of chromosome 14 and 19 in recurrent spontaneous abortion.:
.: Collaboration with NIRRH

- Idiopathic recurrent pregnancy loss: Possible association with paternal exposure to endocrine disruptors and epigenetic modifications in sperm.: Collaboration with NIRRH
- Clinical Ethics Committee: Relevance and need
- Aberrant paternal imprinting : A risk factor for Pre-eclampsia
- Assessment of Training Needs of Resident Doctors for Disaster Preparedness
- Assessment of health related quality of life using eq-5d-5l tool with Indian tariffs among reproductive age group women living with HIV AIDS, India Collaboration with NIRRH
- National Registry on COVID-19 infection among pregnant women and their neonates”
- Exosomes Omics study for pre-eclampsia
- Udiliv (Picture Study)
- Pathogenesis of Endometriosis
- An Open Label, Randomized, Prospective, Multicentric Clinical Trial to Evaluate the Efficacy and Safety of Parenteral Placentex with Oral Azithromycin vs Oral Azithromycin alone in Chronic and Recurrent Pelvic Inflammatory Disease.

Occupational Therapy

- To study prevalence of sensory processing disorders in 0-6 months old infants.
- Adherence to Developmentally Supportive Care: A Memory Based Approach vs. Mobile App Based Approach
- Functional outcome of radionuclide synovectomy in haemophilic arthropathy (along with Orthopaedic Department, Dr SSM unit)
- Assessment of Emicizumab (low dose) in haemophilia patients. (Along with Hematology dept and NIIH)
- Prevalence of sexual concern in young adult haemophilic males: a cross sectional study.
- Normative data for two-point discrimination in metropolitan city of Mumbai (with plastic Surgery Department)
- Functional outcome after occupational therapy intervention in adults with traumatic Brachial plexus injury: A prospective Observational study
- Functional Outcome after proximal humerus fracture : a prospective observational study
- Effectiveness of occupational therapy based sleep intervention on sleep quality and its impact on quality of life in patients with Parkinson's disease.
- Effect of cognitive impairment on quality of life among patients with epilepsy in Indian scenario : A cross sectional study
- Effect of Occupational Therapy intervention on balance and Bilateral integration in Children with cochlear implant in the age group of 5-9 years
- The Quality of Life and Health in Children with Cerebral Palsy in the age group of 5 to 8 years and its Impact on parents quality of life and Family Functioning.
- Comparison of self-perception in children with or without motor disability : cross sectional study
- Parent's perspective about influence of screen time on childhood , parental and family occupations in children with or without special needs:Qualitative Study.
- To compare Executive functions in children with Specific learning disability (SLD) and Attention deficit/hyperactivity disorder (ADHD) using standardised tests: A cross sectional study.
- Sensory processing issues in patients with schizophrenia and bipolar mood disorder - A cross sectional and Comparative Study

Ophthalmology

- Ocular manifestation of mucormycosis
- Comparative study of corneal astigmatism in pre and post operative pterygium surgery
- Incidence and causes of glaucoma in post pkp patient
- Oct rnl in diabetic patients with or without retinopathy
- Study of epidemiology of ocular trauma in tertiary care centre

Orthopaedics

- Patient satisfaction after unicondylar knee replacement.
- Skull base morphometric analysis in congenital basilar invagination.

- Patient satisfaction after total hip replacement.
- Crp levels before & after tkr
- Outcome of new cost effective silicone template for 2 stage reconstruction of infected tkr.
- Prevalence of sleep disorders in post tkr patients.
- Natural history of avn hip in covid -19 infection and retrospective analysis of in a tertiary care center
- Study of clinical outcome of restored and non restored posterior femoral condyle in total knee replacement.
- 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.
- Comparative analysis of regular and high horizontal offset stem on stability in bipolar hemiarthroplasty for fracture neck of femur.
- Hamstring graft size and anthropometry in western indian population
- Radiology and ct morphology of distal radius and ulna in Indian Women
- Surgical vs non surgical treatment of adults with displaced Proximal humerus fractures.
- Cross sectional analysis of risk factors in spinal tuberculosis-experience of tertiary apex center over one and half year period.
- Functional outcome of patients of craniovertebral tuberculosis Managed conservatively or surgically our experience in a tertiary Care center
- 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.
- 3d printing in spine surgeries and how it is helpful in preop And intraop management
- 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-Long fixation in degenerative scoliosis.

Paediatrics

- 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
- 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 prospective observational study of risk factors, bacteriological profile and pattern of antimicrobial resistance in blood culture in pediatric intensive care.
- 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⁺ & K⁺) in patients admitted to a tertiary care pediatric intensive care unit.
- To study PSQFA score a predictor of mortality in children admitted in pediatric intensive care unit with sepsis.
- A prospective observational study on the frequency and clinical profile of hypocalcemic seizures in children under 2 years of age.
- Clinical and etiological profile of parapneumonic pleural effusions in children with special reference to outcome.
- Clinical & etiological profile of liver abscess in children with special reference to the outcome.
- “An observational study to evaluate awareness of drug treatment in parents of epileptic children in a tertiary care hospital”.
- Clinical and etiological profile of Acute encephalitis in children.
- Audit of therapy for lysosomal storage disorders at a genetic clinic in Mumbai during Covid-19 pandemic, project for MUHS Fellowship Course in Clinical Genetics for academic year 2021 – 2022.
- Etiology, use of mechanical ventilation and outcome in infants (aged two months to twelve months) admitted to pediatric intensive care unit with acute respiratory distress. Study of clinical profile and outcome of shock in Paediatric intensive care unit (PICU).
- Evaluation of prescription patterns and off label drug use in pediatric ICU of a tertiary care center.
- Determination of Antimicrobial Utilization in the Pediatric Intensive Care Unit (PICU) of a Tertiary Care Hospital’

Paediatric Anaesthesia

- Cascade sign for optimal positioning of central venous catheter tip using ultrasound – a prospective pilot study
- Feasibility and efficacy of low flow sevoflurane anaesthesia administered through face mask during MRI in children
- Co-Relation between Oxygen Reserve Index™ and Central Venous Oxygen Saturation in Paediatric patients.
- Ultrasonographic measurement of optic nerve sheath diameter during laparoscopic surgeries in pediatric patients: An observational study
- Comparison of ultrasound guided brachiocephalic and internal jugular vein cannulation in neonates and infants: A prospective randomized controlled trial.
- PEACH in Asia : “PEri Anesthetic morbidity in CHildren in Asia” a Prospective Multinational Multicenter Observational study to investigate epidemiology of severe critical events in Pediatric Anesthesia in Asia

Paediatric Surgery

- Rotasil Vaccine Intussusception Surveillance in Kerala, Karnataka, Maharashtra and Gujrat, India
- ‘Birth Defect Clinic’_ An Integrated approach to perinatal management of antenataly diagnosed anomalies
- Paediatric surgery and COVID 19 pandemic: effect on surgical workload in a teaching tertiary care hospital

Pathology

- Etiology of sudden cardiac death in medico-legal autopsies
- Pathological evaluation of breast cancer post neoadjuvant therapy
- Pulmonary pathology in perinatal and neonatal deaths – a five-year retrospective study
- An autopsy study of fat distribution in liver in maternal deaths, with its clinical correlation
- Accuracy of fine needle aspiration cytology in the diagnosis of lymphoma – a retrospective analysis
- Surgical pathology of spleen – A 5-year retrospective study
- Clinicopathological correlation of soft tissue tumors – a two year study
- A clinicopathological analysis of supra-sellar lesions – a five-year study
- Clinicopathological study of disseminated intravascular coagulation (DIC) in maternal mortality – A five-year study
- Utility of the Papanicolaou society of cytopathology system for reporting pancreaticobiliary lesions cytology: a retrospective study
- Role of liver biopsy in infantile cholestasis: A ten – year retrospective study

- Clinicopathological spectrum of uterine corpus lesions in perimenopausal patients with abnormal uterine bleeding
- A study of bone marrow biopsies in pancytopenia

Pharmacology & 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.
- 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.
- “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 effects of Dextromethorphan in the model of Post-traumatic stress disorder in Sprague Dawley Rats.
- Evaluation of protective effects of SAM (S-Adenosyl Methionine) on ISP (Isoproterenol) induced chronic heart failure (CHF) in Wistar rat.
- A cross sectional study to detect the presence of steroids in fairness and beauty creams available in India.
- To evaluate anti-allergic and immunosuppressive potential of *Boerhaavia diffusa* in experimental animals Impact of prescription communication training program: Longitudinal assessment in interns.
- Pioglitazone 7.5 mg Vs pioglitazone 15 mg in glycemic control in Type 2 diabetes mellitus EC/OA-01/2021.
- Evaluation of anticancer activity of FS-AuNPs and HCFS-AuNPs in hepatocellular carcinoma model in C3H mice.
- Evaluation of stem cell research published in Stem cell research and Therapy journal in last 10 years : A review.
- Assessment of drug safety alerts, regulatory recommendations and change in labels issued by Indian and United States regulatory bodies.
- Evaluation of the prescription pattern of drugs in different OPDs of a tertiary care hospital [RUM ICMR].
- “Evaluation of the role of capsaicin on intestinal permeability, visceral hypersensitivity and gut TRPV1 receptors in patients with irritable bowel syndrome.
- Evaluation of effect of Durva (*Cynodactylon*) and Shatavari (*Asparagus racemosus*) on implantation in mice and its mechanism of action.
- Evaluation of urinary lactulose mannitol ratio and sucralose concentration in healthy volunteers”.
- Mass spectrometry based early detection of potential biomarkers for cervical cancer in Indian women.

Physiology

- Effectiveness of activities of association for support & propagation of innovation, research & education (ASPIRE) to empower undergraduate medical students towards research
- 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
- Effect of yoga, pranayama and well-being sessions on pain tolerance and pain threshold levels in normal healthy participants using the cold pressor technique
- A comparative study of cognitive functions between adult instrumental musicians and non-musicians
- An experimental study to compare the impact of Surya namaskar and regular physical exercise on various health parameters in an age group of 25-35 years in health care employees.

Physiotherapy

- Simran Khalsa, Jyotsna Thosar, Correlation of Motor recovery with Joint position sense at shoulder joint in Brachial Plexus injury patients
- Saniya Shaikh, Dipti Geete, Correlation of Scapula Dyskinesis and Joint position sense with perception towards function in subjects with Rotator Cuff tear
- Khushboo Pakhrani, Swati Paranjape, .Analysis of Correlation between the Perceived Level of Fatigue and Physical Performance among patients with Knee Osteoarthritis

- Shruti Godbole, Jyotsna Thosar, Correlation of Kinesiophobia with gait speed, pain and dynamic balance in total knee arthroplasty patients
- Shivani Thakur, Dipti Geete, Correlation of self-efficacy with muscle activation and functional performance in patients with chronic low back pain.
- Ganesh Gore, Swati Paranjape, Analysis of Correlation between the Neck Muscle Endurance and Pain with Neck Disability in Patients with Chronic Neck Pain
- Sheetal Kokane, Jyotsna Thosar Correlation of Craniovertebral Angle with Thoracic Kyphosis, Lumbar Lordosis and Pelvic Tilt in Asymptomatic Young Adults.
- Netal Gandhi, Dipti Geete, Correlation of patient perception towards hand function with sensorimotor impairment following distal radius or/and ulna fracture
- Mahima Agarwal Correlation between emotional intelligence and speed of walking in elderly.
- Tejashree Sapria. Correlation between sleep problems and trunk control in children with cerebral palsy
- Sneha Bawiskar Analysis of Postural Control using Modified test of Sensory Interaction in Balance (CTSIB-M) with addition of visual engagement task in healthy young adults
- Prajakta Rathod Correlation between sleep quality and risk of fall in elderly.
- Amol Kathar Association between sleep disturbance and vestibular impairments in children with cerebral palsy
- Akshata Gadodiya. Immediate effect of spring-assist technique of kinesiology taping for ankle dorsiflexors on range of motion, spasticity, balance and gait in subjects with stroke
- Vibhuti P.Tiwari, Jaimala Shetye. Differential Effect of pursed-lip breathing on 6 minute walk distance among apple and pear shaped obese adults
- Rutuja Wayal, Jaimala Shetye. Comparison of Ankle Brachial Index among diabetic and non diabetic age matched individuals.
- Priya Singh, MP Jiandani. Effect of Hybrid Multimodality exercise program versus conventional home care on VO2 peak, Quality of life, and Ejection Fraction in patients with Ischemic Heart Disease: A randomized control trial.
- Dipika Kolhe, MP Jiandani. Correlation of functional performance with sleep quality in patients with pulmonary tuberculosis
- Krupa Kataria, Sushama Bhandare. Effect of patient education on anxiety and depression in patients with intra cardiac device.
- Yuvraj Athole, Sushama Bhandare. Correlation between burnout syndrome and estimation of aerobic capacity in resident doctors
- Archana Gore, Saraswati Iyer - Effect of exercise and massage on sleep problems in children with cerebral palsy.
- Deepika Metange, Saraswati Iyer. Evaluation of the risk of falls in older adults in urban and rural population of Maharashtra: A prospective cohort study.
- Bhagyashree Kamble, Saraswati Iyer. Assessment of sensorymotor function, reaction time and hand function in older adults and comparison of sensorymotor function, reaction time and hand function in diabetic and Non-diabetic older adults.
- D Geete, B Mhatre. Analysis of physical Performance, Musculoskeletal dysfunction and patients perception towards pain and disability in patients with nonspecific neck pain.
- Jyotsna Thosar, Saraswati Iyer. Analysis of structural changes, physical function and quality of life of patients undergoing physical therapy rehabilitation after total knee arthroplasty – a follow up study
- Pravin Gawali, Bhavana Mhatre. Effect of lumbopelvic-hip stability exercises on pain, physical performance and self-efficacy in patients with chronic nonspecific low back pain- a randomized controlled trial.
- Shruti Nair, Bhavana Mhatre. Facilitating reflective practices in undergraduate Physiotherapy students: a longitudinal study.
- Reshma Gurav, Bhavana Mhatre. To develop and validate a structured exercise protocol and assess its effectiveness in patients with subacromial impingement syndrome
- Zahara Polen, Jaimala Shetye. Comparison of the effect of a structured exercise program and relaxation on Heart Rate Variability and Quality of Life in Obese adults: A randomized clinical trial.
- Titiksh Pol, Jaimala Shetye. Prevalence of Metabolic Syndrome in college going young adults and its association with sedentary behaviour and effect of high-intensity interval training on its components.
- Ujwal Yeole, Mariya Jiandani. Effect of Structured Physiotherapy Exercises Vs Yoga therapy on Glucose control and quality of life in Type 2DM :RCT
- S Nagarale, Mariya Jiandani. Effectiveness of school based Intervention in obese children
- M Deshpande, Mariya Jiandani. Effect of Moderate Versus high intensity interval training on maximal oxygen consumption and risk factors of cardiovascular disease: A comparative study.
- Prajakta Sahasrabudhe, Mariya Jiandani. Development and Validation of a Patient Reported Outcome Measure in Indian Patients with known cardiac dysfunctions.

- Ankita Shripat, Mariya Jiandani. Development of measurement criteria for academic performance and its association with psycho- social factors and motor proficiency in physiotherapy undergraduates.
- Aditi Hitesh Shah, Mariya Jiandani. Comparison of cardiorespiratory performance in between indian classical dancers and western dancers in Mumbai
- Samruddhi Sonawane. Lakshmiprabha R. Analysis of factors influencing adherence to home exercise program in individuals receiving physiotherapy by using a self reported questionnaire.
- Anusha Kapileshwar. Jyotsna Thosar . Correlation of core muscle endurance with functional reaction time and lower extremity function in Indian Amateur Squash Players .
- Shivani Parikh. Dipti Geete. Association of self efficacy with disability and QOL in patients with chronic neck pain
- M P Jiandani, Charan Lanjewar, S Iyer. Participation in International Cardiac Rehabilitation Registry.
- Nidhi Ranka, Jaimala Shetye. Comparison of quality of life, functional capacity and lung function among post Covid-19 and age matched healthy adults.
- Manasi Dhangar, Jaimala Shetye. Correlation of cardio-respiratory fitness with physical activity level and perceived stress in post graduate physiotherapy students.
- Chinmay Dode. M P Jiandani. 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.
- Vaishnavi Lokhande. M P Jiandani. Correlation of estimated VO2 peak using ISWT with QOL and ejection fraction in heart failure patients
- Priyanka Mehta, Sushama Bhandare. Correlation of Fit-Fat Index and Condition-Specific Quality of Life in Hypertensives.
- Pratiksha Munde, Sushama Bhandare. Comparison of VO2 max in smokers and non-smokers.
- Sonali Adhal. Lakshmiprabha R. Correlation between motor imagery ability and performance of dynamic balance test in healthy young adults.
- Bhakti Pitale. Saraswati Iyer. Correlation between working memory and hand laterality judgement in elderly.
- Priyanka Atreyapurapu, Dipti Geete, Correlation of physical factors and kinesiophobia with disability in patients with chronic neck pain
- Rahul Zalte, Dipti Geete, Correlation of physical performance and kinesiophobia with functional mobility scale in patients with knee osteoarthritis.
- Vaishnavi Shinde, Swati Paranjape: Correlation of strength and dynamic balance with self-reported functional ability among elderly population with lower extremity dysfunctions.
- Nupur Admane, Jyotsna Thosar, 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.
- Pallavi Pawar, Swati Paranjape, Analysis of pain and disability among type 2 diabetic and non-diabetic patients with shoulder pain
- Siddhika Patil, Jyotsna Thosar, Correlation of patient reported disability with dexterity and wrist joint proprioception sense in subjects with fractures around the wrist.
- Vaishnavi Prabhu, Bhavana Mhatre, Effect of retraining motor control of lumbo-pelvic-hip complex on scapula-humeral rhythm and pain in patients with shoulder impingement
- Vrushali Mugal, Bhavana Mhatre, Effect of retraining motor control of lumbopelvic-hip complex on one-minute sit to stand and chair rising strategy in patients with knee osteoarthritis.
- Elton John Menezes. Saraswati iyer. Correlation of cognition with Risk of falls in elderly.
- Chaitali Bhoir, Archana Gore -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.
- Priyanka More, Archana Gore -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.
- Shreya Chury. Lakshmiprabha R. Correlation of Emotional Intelligence with Functional Mobility and Reaction Time in healthy young adults.

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
- A prospective multicenter, non comparative, open label, post marketing surveillance to evaluate the safety and efficacy of Decellularized Dermis 9Dermacell AWM) for the replacement of damaged skin in patients with lower extremity Ulcers, Traumatic Burns and dehiscent Surgical wounds in clinical practice in India
- Use of novel low cost skin spray machine.

- Use of unilateral gracilis muscle wrap-around flap for scrotal reconstruction inpatients with exposed testes secondary to Fournier's gangrene

Psychiatry

- Study of suicidality, clinical profile and quality of life in patients of early onset schizophrenia.
- Study of factors affecting functioning in patient with major depressive disorder in remission.
- 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 .
- Cross-sectional study of depression, perceived stress, self esteem and sleep quality among women with infertility.
- A cross sectional study of impact of nicotine dependence on psychopathology, quality of life and cognitive impairment in schizophrenia.
- 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.
- Study of clinical profile, coping skills and social support in patients with post psychotic depression in schizophrenia
- Study of pattern of digital addiction in preadolescent children with psychiatric illness.
- Experiences and Knowledge of Caregivers of Schizophrenia Patients: A Qualitative Study.
- 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.
- Comparison of Mental illness beliefs, Stigma and Help seeking behaviour of Medical and Mental health professionals: A Cross-sectional study in Mumbai.
- Depression, Anxiety, Stress, Suicidality Risk And Help-Seeking Attitudes Of Homemakers: A Cross-Sectional Study In Mumbai.
- Caffeine Consumption Patterns and Addictive Behaviours Among The Young Adult Population.
- A cross sectional study childhood traumatic experience, post traumatic stress disorders in patient of opioid use disorder.
- A cross sectional study of covid stress, psychopathology and quality of life of patients visiting the general OPD of a tertiary care hospital.
- Mixed methods study on 'Unmet mental health needs in PLHIV' in collaboration with MDACS, Wadala.
- To study demographics profiles, perceived stigma and social problems in patients of opioid use disorder.
- A study of relationship between Adverse Childhood Experiences and Substance Use among patients attending a Drug Deaddiction Centre in Mumbai.
- To study sleep quality in patients with opioid use disorders.
- A case-control study to assess attention deficit hyperactivity disorder (ADHD) and other risk factors associated with Juvenile Delinquency in Mumbai.
- Study of pattern and clinical correlates of drug addiction in patients of bipolar disorder.
- Impact of coping strategies and mental health awareness on caregiver burden in relatives of patients with MDD.
- A study on psychopathology, quality of life and self esteem in patients suffering from Vitiligo.
- A cross sectional study of depression, self esteem and quality of life among stroke survivors.
- Sexual functioning and psychological impact of infertility on women: A qualitative study.
- Exploring sexual life and marital experiences in depressed women: a mixed method study.
- A Study of effect of psycho-education on expressed emotions and burden of care on the caregivers of patients with schizophrenia.
- Attitude towards psychological help seeking among MBBS students.

Pulmonary Medicine

- National Environmental health profile (multi city study) MOEF & CLIMATE CHANGE{GOI}
- Diagnostic & Prognostic Potential of Immunological & Molecular markers in Interstitial lung disease patients from Maharashtra.
- Development/ validation of Artificial Intelligence tool for screening & detection of Pulmonary TB & other lung diseases using chest x rays.

- Estimation of Environmental exposure to volatile organic compounds in residential population, collaboration with GSMC MRU.

Surgical Gastroenterology

- Lymph Node Mapping in Colonic Malignancy
- Outcome of Gall Bladder Malignancy.
- Autoantibody signature detection by serum proteomic microarray test in early detection of colonic cancers
- Outcome of Pancreatic Necrosis
- Right Colon Vs Left Colon Malignancy
- Study Of Functional And Morphological Changes In Liver In operated Cases Of obstructive Jaundice.
- Developing Serum Markers to Predict Colonic Malignancy with IIT Mumbai.

Transfusion Medicine

- 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.”
- “A study of effects of transfusion support in acute leukaemic patients in tertiary care Hospital”

Urology

- 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
- Dr Supradeep N. - Predictive factors for persistence of LUTS in patients of benign prostatic hyperplasia after TURP – A prospective analytical study
- Dr Gaurav Kumar Malvi- Randomized control trial in metastatic carcinoma prostate with acute urinary retention with immediate versus delayed channel TURP in patients undergoing androgen blockade.
- Dr Soumya Nayak– To study the effects of autologous platelet rich plasma in patients undergoing visual internal urethotomy in stricture urethra- randomized control trial
- Dr Nirmal Agrawal – A prospective comparative study of miniperc and standard PCNL for treatment of 1-2 cm size renal and ureteric stone
- Dr Vivek Chaudhari- To study the effects of perioperative factors in laparoscopic live donor nephrectomy on the renal functional outcomes in recipient in live donor renal transplantation
- Dr Priya Gupta- Hospital based cross sectional study of incidence, prevalence and management of female sexual dysfunction in patients with urological diseases.
- Dr Jaymin Jaysinghani- Systematic audit of renal stone diseases and chronic kidney diseases

In the Limelight

In the Limelight

Anaesthesia

- Dr. Prerana Shah has been a Winning Team member of PiE Qed Juxta med Quiz November 2022 and 2nd Runner up in Veteran Category @ Ladakh Full Marathon September 2022.



Cardiology

1. State-of-the art CPET machine



2. ICCU Renovated and inaugurated at the hands of Prof. Hema Kulkarni and Prof. Satyavan Sharma in the presence of our honourable dean Dr. Sangeeta Ravat madam.
3. Philips L 15-7io Vascular ultrasound and intraoperative echocardiography probe received in donation from Ms Rashida Shehabi and the Maskati family



Cardiovascular and Thoracic Anaesthesia

- Anaesthesia for RVOT stenting followed by Transcatheter Pulmonary Valve Replacement

Clinical Pharmacology

- Dr Nithya Gogtay has been placed among the top 2% scientists in India in the field of internal medicine by the Stanford University.



Community Medicine



- NCD Corner Inauguration at KEMH
- Inauguration of Oral & Breast Cancer Screening OPD



- Celebration of International Day for Older Persons 2022 at Naigoan BDD chawls

Dentistry



- Dental treatment in medically compromised children under general anaesthesia.

Dermatology

- Dr Vidya Kharkar- Chairperson for Crisaborole Roadinar CME on 10th September in Mumbai
- Dermatology Girls Team - 1st in intracollege female faculty cricket tournament 2022
- Dr Preeti, Dr Pramod, Dr Aparna were a part of KEM cricket team, came 1st in intercollege box cricket tournament 2022 at BKC

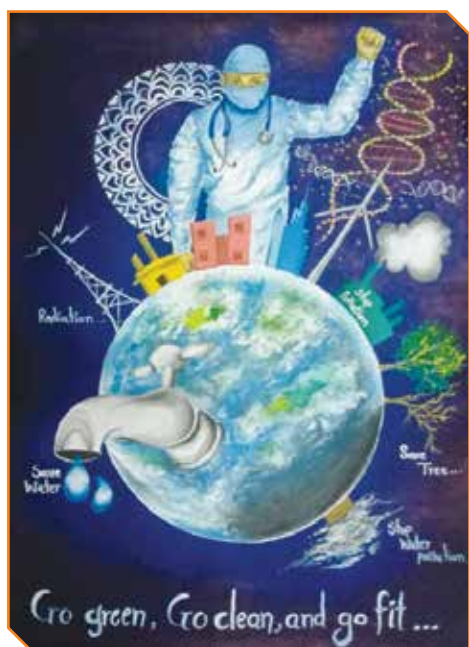


- Skit on Vitiligo awareness was performed in MLT on Vitiligo Day.
- Dr Vidya Kharkar conducted the National 3D Dermatology Quiz of Mankind Pharma on 9th January.

ENT

- Dr. Neelam Sathe was invited by **RED FM 93.5** Radio to give information on Common cold on 15th September 2022 and was on BBC MARATHI NEWS (20-01-2022)-Permenant loss of Smell following covid

GSMC-Bioethics



Nephrology

- Dr Divya Bajpai got selected as “Emerging Leader – 2022” by International Society of Nephrology and was appointed in the editorial team for the “Seminars In Nephrology” journal special issue – “Kidney Care in Low Resource Settings”
- Dr Divya Bajpai received a sponsored invitation for participating in KDIGO Controversies Conference for making guidelines on Women and Kidney Disease at Greece in feb 2023



Neurology

- Dr.Sangeeta Ravat Organized talk on “Advances in Epilepsy management and Neurological disorders” by Dr. Sanjay Singh Chairman & Professor Dept. of Neurology; Director Neurological institute at CHI Health-Creighton university school of medicine, USA
- Inauguration of Stroke ICU by honorable AMC Dr. Sanjeev Kumar & Director medical education & research Dr. Neelam Andrade on 29th September 2022
- VEEG : Epilepsy monitoring Unit was renovated and shifted to ward 10 with better infrastructure.



- Acute Stroke Management awareness among patients and their relatives; health care workers in KEM on occasion of World Stroke Day 29th October 2022.

Neurosurgery



- Prof Aadil S Chagla demonstrating microvascular anastomosis on 8/11/2022
- Most prestigious batsmen in veteran cricket world cup

Neonatology

- Breastfeeding week celebration was conducted in the Neonatology department with emphasis on improving the Knowledge, Attitude and Practice in nursing mothers.
- World prematurity day was celebrated in the department of Neonatology.
- A symposium was organized by the department of Neonatology on preterm nutrition. Dr. Sanjay Patole, a renowned Neonatologist based in Perth, Australia was the guest faculty.

Occupational Therapy

- Dr Sushant Sarang, Conducted a workshop on “Stress Management” for parents of children with special needs on 8th Oct 2022 at KEMH, Parel.
- Dr. Nandgaonkar Hemant President – Neonatal Therapy Association

Orthopaedics

- UG orthopaedics Quiz.
- New academic courses in different sub- specialties of orthopaedics.

Paediatric Anaesthesia

- Secret Santa visit from Helsinki Finland organized by Finnair on 17th December 2022. Children pre and post operative received gifts from Santa in Paediatric Surgery Ward



Paediatric Surgery

- Dr Kedar Mudkhedkar will be appearing in DD Sahyadri - Arogya Samanda for awareness regarding pediatric surgery cases and congenital anomalies
- Paediatric Surgery Day celebration -29th December 2022. Distribution of pamphlets for creating awareness among general public to ensure timely and appropriate intervention.

Pathology



Pharmacy



Physiotherapy

- Fourth year and interns of physiotherapy participated as physiotherapist for on field physiotherapy in Indian Oil WNC Navy Marathon, KEM Marathon and Jio Mumbai Cyclothon



Pharmacology & Therapeutics



Plastic Surgery

- A BBC Marathi episode was filmed on the hand transplant patient
- A short film was made on the life changing affects of reconstructive surgery for our burn contracture patients as an entry to the Shushrut Film Festival organized by the Association of Plastic Surgeons of India (APSI).

Radiology

- Dr. Padma Badhe Authored a pictorial essay in Radbuzz magazine on esophageal pathologies.

Surgical Gastroenterology

- Dr Chetan Kantharia contributed a Chapter on Nin Functioning of Graft in the text book of Liver Transplantation, Dr Ramkrishna Prabhu contributed a Chapter on Gall Bladder and Bile duct in the text book of Surgery-Love and Bailey, Dr Sharvari contributed a Chapter on Management of lower GI Bleed in the text book of Colo-Rectal Surgery

Urology

Litho EVO 35 Watt, Holmium Laser Machine.



Looking Ahead

Looking Ahead

Anaesthesia

- Proposed 12 bedded AICU
- State of art super-specialty operation theatres.
- Starting 'Dedicated Pain OT'.
- Starting Urosurgery and transplant anaesthesia fellowship

Anatomy

- 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

- Research planned in various areas of biochemistry like New-born Screening, Metabolic disorders and Quality Assurance
- To start kidney stone analysis
- To start estimation of vitamin B12 and vitamin D

Cardiology

- Creation of a 'War Room' for the recently sanctioned STEMI Program for real time monitoring of STEMI patients
- Creation of a Radial Lounge to enable performance of transradial coronary catheterization as a day-care procedure for patients' convenience.
- Creation of state of art cardiovascular conference hall as learning centre for residents of cardiology and CVTS department and enable coordinated academics.

Cardiovascular and Thoracic Anaesthesia

- 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.
- Anaesthesia for more advanced procedures like Endobronchial Ultrasound guided biopsy and staging of tumors will happen in near future.

Cardiovascular and Thoracic Surgery

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

Clinical Hematology

- To have a dedicated Bone Marrow Transplant ward and improve diagnostic facilities in department.

Clinical Pharmacology

- Contribution towards the development of antimicrobial stewardship in the hospital
- Implementation of electives for UG students as per NMC norms

Dentistry

- OPG machine and portable X-ray with RVG sensor is underway.

Dermatology

- Planning more innovative cosmetic procedures like Threads, Botulinum toxin and Fillers for Cosmetic Dermatology.
- Campus and Infrastructure- Strengthening services in dermatosurgery by upgrading facilities in Minor Operation Theatre for small day care surgeries.

Endocrinology

- Propose to start Thyroid Sonography, Neuro Endocrinology clinic, Diabetes prevention programme
- To establish Endocrine Oncology referral centre
- To establish newborn screening program in congenital hypothyroidism and congenital adrenal hyperplasia
- To start Fellowships in Pediatric and Adolescent Endocrinology and Reproductive Endocrinology

Forensic Medicine & Toxicology

- Virtual Autopsy, One Stop Centre of Excellence for comprehensive care of survivors of sexual assault
- Forensic Odontology and Human Identification Laboratory

Gastroenterology

- Starting liver ICU and liver transplant program and enteroscopy, cholangioscopy and third space endoscopy services and Enohepatology services

Medicine

- Develop Infectious disease as a specialty service at KEMH.
- To strengthen Palliative care services for OPD & IPD patients at KEM hospital.

Microbiology

- Rapid identification of microorganisms (30 minutes) - MALDI-ToF MS
- Expanding the capacity of molecular testing
- WGS for DRTB and epidemiology and mycology

Neonatology

- Bayley Scale of Infant Development IV
- Point of care Lung ultrasound in newborns

Nephrology

- To expand CAPD programme specifically catering to patients with HIV/AIDS
- To establish a dedicated Paediatric Nephrology clinic
- To introduce certificate course in acute dialysis for dialysis nurses and technicians

Neurology

- Planning to start invasive EEG monitoring unit (EMU) services for refractory epilepsy patients.
- Planning to start Vagal Nerve Stimulation (VNS) procedure for Drug Refractory Epilepsy Patients.
- Plan to start Dementia ward for Alzheimer's and other dementia patients.
- Plan to start Deep Brain Stimulation (DBS) procedure for Parkinson's patients.

Neurosurgery

- To develop subspeciality in neurosurgery (vascular surgery, skull base surgery, neuro-oncology, neuroendocrine surgery, epilepsy surgery, paediatric , spine , endoscopic neurosurgery and endovascular neuro intervention)
- To develop skill lab along with Johnson & Johnson

Nuclear Medicine

- Starting PET/CT based investigations using Ga labeled radiopharmaceuticals and Lu-177 based therapies for neuroendocrine tumours
- Starting MD & MSc in Nuclear Medicine
- Radiation synovectomy for hemophilic patients PET/CT based myocardial perfusion and viability studies.

Obstetrics and Gynaecology

- Plan to set up a Centre for Assisted Reproductive Techniques for infertility treatment.
- Planning to collaborate with other departments for Robotic surgeries helping in early recovery and shortening of hospital stay for patients.

Occupational Therapy

- To set up a Wheelchair path and training center for differently abled and also with facilities of disability evaluation, driving evaluation and visual rehabilitation.
- To expand on an already piloted project of early intervention of high risk infants through telemedicine in rural parts of Maharashtra.
- Ultra-early intervention of high risk babies through Neonatal Therapy through National Medical College Network.

Orthopaedics

- Modular operation theatre (8 theatre with HDU on the same floor complex – 4th floor)
- Establishment of paraplegic rehabilitation center, Sports Medicine Center.
- Advance arthroscopy system.
- Robotic set up in theatre complex.
- Fellowship programs in Spine, Arthroplasty and Arthroscopy.

Paediatrics

- Initiation of new Pediatric Gastroenterology OPD.
- Initiation of DM (Medical Genetics) and DM (Pediatric Intensive Care) super-specialty courses

Paediatric Anaesthesia

- Setting of Pediatric Pain Clinic

Paediatric Surgery

- Plan to start comprehensive Pediatric 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 and Modernization of museum

Pharmacology & Therapeutics

- Plans to publish a booklet on case studies for II MBBS students.
- Has applied for ICMR grant for Rational Use of Medicines and is looking forward to do the project under the ICMR-SRUM task force project.
- plans to conduct workshops on GCP, Ethics and Research methodology for other Institutions and institutional IECs

Physiology

- Assessment of physical fitness, Offering exercise prescription for cardiorespiratory endurance, YOGA for wellness, Lifestyle modification counselling services, Intraoperative nerve conduction studies to be offered
- Certification course in Exercise Prescription is underway

Physiotherapy

- Propose set up a state of art Neuro-physiotherapy center and cardiopulmonary rehabilitation unit

Plastic Surgery

- Tissue Bank – to be started in Jan 2023
- Laser clinic – for vascular malformations as well as post burn scarring – 2023
- To upgrade burn services and the project for burn prevention along with other groups across the world.

Psychiatry

- Project – Drug Treatment Centre (DTC) Scheme, Treatment of Substance Use Disorders in India by MOHFW
- Deaddiction Centre of Department of psychiatry is a Regional Resource and Coordination Centre for the DTC Scheme of Ministry of Health and Family Welfare. Induction Training for the newly recruited staff will also be conducted for new DTCs.
- Deaddiction online courses to be initiated.

Pulmonary Medicine

- Palliative care service for interstitial lung disease
- Endobronchial ultrasound for pulmonary diagnostics

Surgical Gastroenterology

- To strengthen our Liver Transplant and Bariatric/ Metabolic Surgery Program.
- To start Robotic Surgery

Transfusion Medicine

- 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
- Full automation in Component Separation and Extraction and grouping and crossmatching of blood /Automated immunohaematology analyzer

Urology

- Establishment of Cadaver lab to train surgeons in renal and liver transplant along with complex reconstructive surgeries

Committees, Societies, Services and Publications

Committees, Societies, Services and Publications

Academic Committee

Dr. Sangeeta Ravat, Dean, GSMC& KEMH and Chairperson

Dr. Dhangauri Shenvi, Secretary, Academic Committee

Sr. No.	Name	Department
1.	Dr. Dhangauri Shenvi	Department of Physiology
2.	Dr. Anita Kale	Department of Biochemistry
3.	Dr. Asha Shenoy	Department of Pathology
4.	Dr. Gita Nataraj	Department of Microbiology
5.	Dr. Sandhya Kamat	Department of Pharmacology & Therapeutics
6.	Dr. Mridula Solanki	Department of PSM
7.	Dr. Smrati Bajpai	Department of Medicine
8.	Dr. Milind Nadkar	Department of Medicine
9.	Dr. Ajita Nayak	Department of Psychiatry
10.	Dr. Amita Athavale	Department of Chest Medicine & EPRC
11.	Dr. Aparna Deshpande	Department of General Surgery
12.	Dr. Alka Gupta	Department of Obstetrics & Gynaecology
13.	Dr. Nilam Sathe	Department of ENT
14.	Dr. Mohan Desai	Department of Orthopaedics
15.	Dr. Nithya Gogtay	Department of Clinical Pharmacology
16.	Dr. DV Kulkarni	Department of CVTS
17.	Dr. Sujata Patwardhan	Department of Urology
18.	Dr. Saraswati	Department of PT
19.	Dr. Rajul Ketan Daftary	Department of OT

Department Development Fund [DDF]

Following activities were undertaken 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.
 1. *Nephrology: virtual CME and utilize for further educational activities.*
 2. *Paediatric-Anaesthesia: CME Pediatric Airway Workshop-Emerging trends, techniques and equipment on 1st May 2022.*
 3. *Pharmacology: GCP workshop at Bhatia Hospital on 12th April 2022.*
 4. *Bio-chemistry: Clinical Laboratory Practices workshop to be held from 3rd to 5th August 2022 and a follow up session on 5th January 2023.*
 5. *Plastic-Surgery: Two workshops for Plastic Surgery Day & MBBS Students on 23rd and 24th July 2022.*
 6. *Anesthesia: CME on 9th July 2022.*
 7. *Endocrinology: CMEs for Physicians.*
 8. *Pediatric-Anesthesia: "Patient Safety" Workshop on 7.7.2022.*
 9. *Pediatric-Anesthesia: "Advanced Hemodynamic monitoring in Children" on 20th August 2022.*
 10. *Endocrinology: CMEs for Physicians on 17th July 2022.*
 11. *Clinical Pharmacology: GCP training for their team members scheduled on 14th September 2022.*
 12. *Anesthesia: CME on 16th October 2022.*
 13. *Cardiac Anesthesia: CME on 8th and 9th October 2022.*
 14. *Neuro-Surgery: CME on 8th November 2022 to 10th November 2022.*

- **Research:** Trust has received donations for research projects which are ongoing

Sr. No	Department	Project Name
1	Gastroenterology	A Prospective, Multi-Centre, Double -blind, Randomized Trial of Saroglitazar 4 mg versus Placebo in patients with Non-Alcoholic Steatohepatitis.
2.	Ophthalmology	PSV-FAI-005-“A multi-center, controlled, safety and efficacy study of a fluocinolone acetonide intravitreal (FAI) insert in subjects with chronic non-infectious uveitis affecting the posterior segment of the
3.	Endocrinology	“Effect and safety of semaglutide once-weekly versus insulin aspart three times daily, both as add on to metformin and optimized insulin glargine (U100) in subjects with type 2 diabetes. Trial ID: NN9535-4386.
4.	Clinical Hematology	Safety of turoctocog alfa for prophylaxis and treatment of bleeding episodes in previously treated patients with moderate or severe Haemophilia A in India. (Protocol ID: NN7008-4304)
5.	Clinical Pharmacology	Study for “Evaluation of Genetic polymorphism of CYP3A5 in normal healthy participants of Western India-a cross sectional study.”
6.	Gastroenterology	Phase III, Randomized, Double-blind, Placebo-controlled, multicenter study to evaluate the efficacy and safety of Eytolizumab compared with moderate to severe active Ulcerative Colitis who are naïve to TNF inhibitors.
7.	Gastroenterology	“An open extension and safety monitoring study of moderate to severe ulcerative colitis patients previously enrolled in etrolizumab phase II/III studies”.
8.	Clinical Pharmacology	“Efficacy and safety of Gut Gard in patients with gastro-esophageal reflux disease (GERD) -A Phase III, single Centre, double-blind, parallel group, randomized placebo-controlled trial”.
9.	Endocrinology	Study for Range of salivary cortisol and Overnight dexamethasone suppressed serum and salivary cortisol in chronic renal failure patients.
10.	Endocrinology	Prevalence of primary aldosteronism in patients with type 2 diabetes mellitus and hypertension.
11.	Medicine and Clinical Pharmacology	“A Multi -Centric, Open label, Two Arm Randomized, Pivotal Phase 2 Trial to study the efficacy and safety of Itolizumab in COVID -19 Complications”.
12.	Nephrology (AKD)	“Flow-effect of semaglutide versus placebo on the progression of renal impairment in subject with type 2 diabetes and chronic kidney disease.
13.	Medicine	“A Phase II, Open Label, Randomized Controlled Trial to Assess the safety and Efficacy of convalescent Plasma in Severe Covid-19”.
14.	Paediatric-Surgery	“Rotasil Vaccine Intussusception Surveillance study in Kerla, Karnataka, Maharashtra and Gujarat, India”.
15.	Nephrology	Pharmacokinetics of SBECD and Remdesivir in patients with COVID-19 and Kidney disease”
16.	Endocrinology	Project for EC/OA-41/2021_ Protocol Version 1.0 dated 15 th February 2021 entitled, “Next-generation sequencing in Pheochromocytoma – Paraganglioma: single centre experience from Western India”.
17.	Endocrinology	Project for Efficacy and safety of one daily Semaglutide 25 mg and 50 mg compared with 14 mg in subjects with type 2 diabetes”.
18.	Clinical Pharmacology	Evaluation for the risk of allergy to Covid-19 vaccines in people with history of allergy diathesis” (EC/OA-145/2021).
19.	Nephrology	A study of prevalence, exposure-response relationship and consequences of iron overload in patients on chronic maintenance haemodialysis”.
20.	Nephrology	“Complement system abnormalities in patients with atypical HUS and their impact on clinical outcomes”.
21.	Endocrinology	Genotype-phenotype correlation in hypophosphatemic rickets: single center experience from western India.”
22.	Nephrology	Project for “Randomized Control trial to compare effects of Atenolol vs Telmisartan in hemodialysis patients with uncontrolled hypertension.
23.	Nephrology	Project for Humoral Response to SARS-coV vaccination in Indian Kidney Transplant recipients. [EC/OA-29/2022].
24.	Nephrology	Randomized Control Trial to compare effect of Atenolol vs Telmisartan in hemodialysis patients with uncontrolled hypertension and utilization of funds for payment of trial insurance company. (The New India Insurance Co. Ltd.) of Rs.1,12,218/-.
25.	Clinical Pharmacology	Project for “Bloodstream Infection study”
26.	Endocrinology	Project for “A 52 -week study comparing the efficacy and safety of one once weekly IcoSea and once weekly, insulin icodec, both treatment arms with or without oral anti-diabetic drugs, in participants with type 2 diabetes inadequately controlled with daily basal; insulin.

Sr. No	Department	Project Name
27	Clinical Pharmacology	Project for "A Phase 3, randomized, observer-blind, placebo-controlled, multi-center study to evaluate the immune response and safety of the Herpes Zoster submit vaccine when administered intramuscularly on a 2-dose schedule in adults aged 50 years and older in India".
28	Ophthalmology	"A Comparative, Double -Blind, Randomized, Multicenter, Phase III study to compare the study & efficacy of ENZ105 of Enzene Biosciences Ltd with Innovator Rambizumab in subject with Neovascular (Wet) Age related Macular Degeneration (AMD)
29	CVTS	Clinical Investigation for the Foldax TRIA Aortic Heart Value.

• **Awards:**

Dr. Nina Dahejia Prize: Interns of G. S. Medical College
 Dr. L. H. Hiranandani Prize: 3rd M.B.B.S Student (ENT)
 Dr. Geeta Rao Memorial Prize: MS (Surgery)
 Dr. V. H. Muzumdar: Final MBBS students (Ophthalmology), MD Obst & Gynaecology.
 Dr. G. S. Ambardekar: MD (Anesthesia) & Diploma in Anesthesia
 Silver Jubilee: Occupational Therapy
 Dr. V. G. Rao: PSM for 1st & 2nd highest the final MBBS Exam.
 Pandurangi Award: Orthopedic –Best Resident.

• **Work Environment**

- Web Committee: Server New Computer for gsmc.edu intranet Rs.2,38,950/- from **DDF General Fund**.
- Strengthening and upgradation of networking system working on Mikrotik Router-2 of Rs.2,40,378/- through **DDF General Fund**.
- Dean Office: Appointment for the post of Bio-Statistician for faculty of KEM Hospital through **DDF General Fund**.
- GOSUMEC Alumni Association: Contribution to renewal of Remotex software of Rs.32,634/- through *DDF General Fund*.
- Purchase of Projector and Screen for Lecture Theater II through DDF General Fund.
- Staff Society: KEM Website & social media (Instagram, You Tube and Linked in accounts) 20% amount from **DDF General fund**.
- Laying Optical fiber & connectivity to all Dept. in KEM Hospital premises of Rs.67,85,472/- through DDF General Fund.
- Rs.25,000/- Dean Contingency funds through **DDF General fund**.
- Rs.62,000/- for printing and publication of KEM annual report through **DDF General Fund**

• **Donation and Grants**

Name	Donation/Grants received
Research	78,98,649.42
Training Programs/workshop	10,16,704.00
Awards	8,480.00

• **Committees**

- Total Thirteen meetings held throughout the year.
- Fourteen projects are currently ongoing (details under Research).
- Provided internet connection to several Departments (e. g. Dean, Dean Residence, PA to Dean, Student Section, Nurses Home, Superior Establishment) AE (M&E).

• **Contact Information**

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Dr. Padmaja Marathe	7517 / 9619466099	pam2671@gmail.com
Dr. Pragati Sathe	7554 / 7596/9324045123	pragativk@yahoo.com
Dr. Rashmi Patil	7447 / 9819552729	Drrashmipatil6679@gmail.com
Dr. Priyanka Prasad	7552 / 9930923115	Priyanka1975@gmail.com

Department of Medical Education [DOME]

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 at the GSMC-KEMH-NMC Nodal Centre
 - o 18th Revised Basic Course
 - In- HOUSE Revised Basic Course Workshop for Full Time Teaching Faculty
 - “18th Revised Basic Course Workshop for Full Time Teaching faculty” was conducted by the GSMC- KEMH-NMC Nodal Centre from 6th – 8th September 2022.
 - The participants were from Seth GS Medical College & KEM Hospital only. A total of 28 participants attended.
 - The designations were as follows:
 - A. Professor & Head – 3
 - B. Professor (Addl.) – 10
 - C. Associate Professor – 11
 - D. Assistant Professor – 4
- 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.	Bharati Vidyapeeth (Deemed to be University) Medical College and Hospital, Sangli	4 th – 6 th January 2022
2.	K. J. Somaiya Medical College, Mumbai	29 th November – 1 st December 2022
3.	Dr. D.Y. Patil Medical College, Nerul, Navi Mumbai	1 st – 3 rd December 2022

- GSMC FAIMER REGIONAL INSTITUTE - Under Department of Medical Education

The 17th GSMC-FAIMER REGIONAL INSTITUTE was held ONLINE from 11th July – 22nd July 2022. Synchronous sessions were conducted on ZOOM and asynchronous sessions including assignments were conducted on Google classroom. 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 2020 and 2022 batches.

An online interactive workshop entitled, ‘Translating Practice: EPA’ was conducted by Dr.Vinod Pallath, on 20th July 2022 for year 3 fellows and faculty.

Dr. Praveen Iyer and Dr. Munira Hirkani attended 8 (Eight) online monthly DAFFRI (Directors and Faculty of FAIMER Regional Institutes) meetings from April 2022 to November 2022 organized by FAIMER Institute, Philadelphia.

Dr. Praveen Iyer pursued year 2 of International FAIMER Institute (IFI) fellowship in medical education.

Dr. Munira Hirkani, Dr. Santosh Salagre, Dr. Rashmi Patil, and Dr. Raakhi Tripathi successfully completed the pilot FAIMER COMPETENCY BASED EDUCATION (FACE) program organized by FAIMER Institute, Philadelphia.

- Conferences / Workshops attended:

- o National Conference on Health Professions Education was held from 31st October to 3rd November 2022 at Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Dehradun and was attended by Dr. Munira Hirkani, Dr. Santosh Salagre and Dr. Rashmi Patil. Dr. Munira Hirkani conducted a preconference workshop on Academic Leadership and Dr. Santosh Salagre conducted preconference workshop on Effective Communication Skills
- o Dr. Rashmi Patil participated in the Faculty Development Program in Health Professional Education titled “Technology Based Learning” held on 25th January 2022, Organized by the Department of Anatomy, Saveetha Dental College and Hospitals, Saveetha Institute of Medical and Technical Sciences, Chennai-77
- o Dr. Rashmi Patil and Dr. Praveen Iyer participated in REMEMBRANCE MEET’ on World Anatomy Day – 15.10.2022 organized by Department of Anatomy, MGM Medical College, Navi Mumbai Dr. Rashmi Patil presented a poster titled ‘Standardization of Practical Microanatomy in CBME Curriculum: A Pilot Study’ and secured second position for best poster presentation

Publications:

- Shaw, S.C., Salagre, S.B., Mukherjee, S., Adhikari, K.M. Enhancement of professionalism during postgraduate training in Pediatrics. South-East Asian Journal of Medical Education 2022; 15
- Santosh Salagre. Communication Skills in CBME Curriculum API Textbook of Medicine 12th Edition 2022; Section 27: Chapter 12
- Dr Telang Anjali, Dr Iyer Praveen. Opportunities in the New Undergraduate Medical Education Programme for the Indian Medical Graduate to Become Socially Responsible. INARCH (GSMC Bioethics Annual Bulletin) 2022. Pp 8-9
- Sessions conducted/chaired by faculty at conferences / workshops / faculty development programmes
 - o Dr. Praveen Iyer
 - o Panelist at a panel discussion in Multi-Disciplinary Research: An Approach to Sustainable Health Care Solutions held at MGM Institute of Health Sciences on 21st December 2022
 - o Dr. Munira Hirkani
 - o As a Faculty for certificate course in Narrative and Reflection writing online with MVL Kothari division of Medical Humanities of Seth GSMC & KEMH
 - o Dr. Rashmi Patil
 - o Invited as a guest speaker and delivered two lectures (OMP and OSCE/OSPE) in workshop on Health Science Education Technology for faculty on 8th /19th /20th of August 2022 at The SIA College of Health Sciences College of Physiotherapy Dombivali (E)
 - o BMSeCON21: 3rd International e-conference on “Role of basic medical sciences in academia, diagnosis and research advancement” that will be conducted from 17th–19th November 2022 on Virtual Program. Chaired a session on Technology to reach out current generation students
 - o Dr. Smrati Bajpai: TTS group on andragogy and pedagogy in medical education on 29th September 2022
 - o Dr. Raakhi Tripathi
 - o Session on Interactive large group teaching in CBME in Pharmacology – A Roadmap for Effective Implementation (online) on 13-05-2022, organized by Dept. Of Pharmacology, K.S. Hegde Medical Academy, NITTE(DU)Mangalore
 - o Session on Qualitative research in dental education technology on 1st July 2022 in the capacity building workshop organized by Government Dental college and hospital, Nagpur
 - o Dr. Santosh Salagre
 - o Communication skills workshop for post graduate students of Surgery as a part of 3rd Surgery Junior Resident Orientation Programme (SJROP) on 9th February 2022.
 - o Training session for Nursing Tutors of School of Nursing, KEM Hospital, Mumbai on Teaching Learning of Bioethics on 10th February 2022.
 - o Session on Principles of Professionalism and ethics as a part of Foundation course for first MBBS students at Seth GSMC, Mumbai on 25th February 2022.

- o MUHS expert faculty for development of Online Basic Skills Module for interns on Hypertension on 22nd March 2022.
- o Communication skills workshops for second MBBS students at Krishna Institute of Medical Sciences, Karad on 7th April 2022.
- o Faculty development workshop on teaching AETCOM in CBME at Krishna Institute of Medical Sciences, Karad on 8th April 2022.
- o Communication skills workshop for first MBBS students of Government Medical College, Satara on 10th and 11th May 2022.
- o Communication skills workshops for post graduate students at SMBT institute of Medical Sciences and Research centre, Nashik on 19th May 2022 and orientation to Research Methodology and Protocol Writing on 20th May 2022
- o Communication skills workshop for post graduate students of Surgery as a part of 3rd Surgery Junior Resident Orientation Programme (SJROP) on 21st June 2022.
- o 'Faculty Development Workshop on Teaching, Learning and Assessment of AETCOM, focused on 3rd Year Syllabus' at BVDU Medical College, Pune on 12th September 2022.
- o Workshop on Effective Communication Skills for the interns at MGM Dental College and Hospital, Navi Mumbai on 21st October 2022.
- o Speaker Grooming Workshop for the faculty and PG students at Calicut Medical College, Kerala organized by RSSDI on 28th October 2022.
- o faculty development workshop on "Effective Communication - Teaching Learning and Assessment" during NCHPE 2022 at HIMs, Dehradun on 1st November 2022 and Panelist for Tools for teaching learning and assessment of AETCOM on 3rd November 2022.
- o UDEHP workshop entitled "Professionalism in Medical Education" held at KLE University's Homoeopathic Medical College, Belgavi on 8th December 2022.
- o Session on Professionalism and ethics as part of Foundation course for first MBBS students of Govt. Grant Medical College, Mumbai on 22nd December 2022.
- o Professionalism and Bioethics for First MBBS students at Seth GSMC, Mumbai as a part of Foundation course on 23rd December 2022.
- o Workshop on Effective Communication skills for the first year post graduate students at SMBT institute of Medical Sciences and Research centre, Nashik on 26th December 2022.

Other important contributions

- o Dr. Praveen Iyer
 - o Convenor at GSMC KEMH NMC Nodal Centre for Faculty Development
 - o Coordinator, Department of Medical Education and Member, Curriculum Committee of the college w.e.f 1st February 2022
 - o Member, Implementation and Monitoring Committee, Advance Course in Medical Education (ACME), National Medical Commission (NMC) w.e.f. 29th July 2022
 - o Member, Task Force – Blueprinting of Theory Papers in Anatomy, MUHS, Nashik w.e.f. August 2022
 - o Assessor for online assessment of Medical Education Units of new medical colleges by NMC, India
- o Dr. Santosh Salagre
 - o Convenor of Referral Sub Group Committee for the subject of Medicine of National Medical Commission appointed by UGMEB, NMC
 - o Co-Convenor at GSMC KEMH NMC Nodal Centre for Advance Course
 - o Curriculum Committee Member – Competency Based Medical Education curriculum of NMC.
 - o Member of task force of MUHS, Nashik to prepare blueprints for Medicine and allied subjects as per Competency Based Medical Education for Phase-II, (III(I) & III(II) MBBS)
 - o International FAIMER Institute reviewer – 2022
 - o Assessor for online assessment of Medical Education Units of new medical colleges by NMC, India
 - o Member of MUHS committee to prepare modules for travelling mobile skills lab to create training opportunities for interns on 4th January 2022
- o Dr. Rashmi Patil
 - o Member, Task Force – Blueprinting of Theory Papers in Anatomy, MUHS, Nashik w.e.f. August 2022

- o Dr. Raakhi Tripathi
 - o Member, Task Force – Blueprinting of Theory Papers in Pharmacology, MUHS, Nashik w.e.f. August 2022
- o Dr. Munira Hirkani
 - o Co-Convenor at GSMC KEMH NMC Nodal Centre for Basic Course and CISP
 - o Assessor for online assessment of Medical Education Units of new medical colleges by NMC, India
 - o Member, Task Force – Blueprinting of Theory Papers in Physiology, MUHS, Nashik w.e.f. August 2022
 - o Treasurer, Academy of Health Professions Educators (AHPE)

Dr. P.B.Iyer

Coordinator, Department of Medical Education

Convener, GSMC-KEMH-NMC Nodal Centre

Diamond Jubilee Society Trust [DJST]

Introduction

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 2022 - 2025.

Managing Trustee: Dr. Sangeeta Ravat, Dean, Seth GS Medical College & KEM Hospital

Hon.Secretary: Dr. Neena Sawant, **Hon.Treasurer:** Dr. Aparna Deshpande, **Trustees:** Dr. Sujata Patwardhan, Dr. Sandhya Kamat, Dr. Lona Dash, Dr. Anuradha Sovani, **Advisor:** Dr. RD Bapat, Dr. Lopa Mehta, Dr. Ravi Ramakantan, Mr. Sreenivas Nagappa.

Activities of the trust

Diamond Jubilee Society Trust was able to collect Rs.3,96, 05,145/- of donations in the year (January 2022- December 2022 inclusive of Foreign donations of Rs.26,89,953/- and Government Research Grant of Rs.1,44,39,946/- The donations are being used for the purpose stated by the donors. In addition, the trust does following activities:

Patient care

- Patient education programs of Patient Education Cell were supported.
- A Donation of Rs. 6,23,332/- was donated by ReSurge International towards needy patients of post burn contractures & provide financial help for reconstruction surgery for plastic surgery department.
- A donation 10000 Euros was donated by Mr. Mario Nossardi for the patient related activities.

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.
- Financial support of Rs. 50,000/- was extended for 2 research projects undertaken by the postgraduate students & Rs. 3,89,000/- for 9 research projects undertaken by the Faculty members.
- GOSUMEC Foundation, USA Research/ Innovation Scholarship was awarded to the following undergraduate students for their meritorious research work :
 - o **Dr. Saad Ahmed** – Third year students student is going to present the poster & paper, “The expanding cohort of aspergillosis and mixed fungal infections in Covid 19 pandemic: our experience” at 73rd Annual conference of Association of Otolaryngologists of India from 6th to 9th January, 2022, Ranchi Jharkhand.

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

Donation received for instituting award

- A donation of Rs.10,00,000/- was accepted from Dr. Deepraj Bhandarkar & Mr. Prassanraj Bhandarkar towards instituting awards in memory of their father late Dr. Shantakumar Dyaneshwar Bhandarkar for Best Resident in Department of Endocrinology” .
- A donation of Rs. 5,00,000/- was accepted from Dr. Shilpa Rao, Professor & HOU, Department of General Surgery towards instituting awards in the memory of her mother late “Dr. Mrs. Pushpa Paralkar” and Late Father “Mr. Suresh Paralkar” for Best female Resident in Surgical Subspecialty.
- 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
- Cultural events organized by the undergraduate students like *Advait* (Marathi drama competition)

Donations were accepted for the following Faculty development programmes

1. 18th Revised Basic Course Workshop held on 6th - 8th September, 2022 conducted by Department of MET Cell
2. 17th GSMC FAIMER Regional Institute program online held on 11th July - 21st July 2022
3. Temporal Bone Dissection workshop 2022 held on 10th – 11th September, 2022 conducted by Department of ENT
4. FESS cadaveric Dissection workshop 2022 held on 29th August, 2022 conducted by Department of ENT
5. CPR training workshop held on 23rd & 26th April, 29th September, 2nd December & 27th December, 2022 conducted by Department of Anaesthesia
6. “KEM-SS preparation: CME” held on 11th to 14th April, 2022 conducted by Department of General Surgery
7. “GENSURG 2022 : CME” held on 23rd March to 28th March, 2022 conducted by Department of General Surgery
8. KEM Orthopedic PG training course held on 22nd April to 24th April, 2022 conducted by Department of Orthopedics
9. Abdominal Wall Reconstruction techniques Cadaver , workshop on 26th January 7 & 15th May, 2022 conducted by Department of General Surgery.

Medical Research

The Trust has received donations (Rs. 71,82,637/-) for research projects undertaken by various departments. In addition, it received funds from Government organizations towards research projects (Rs. 1,44,39,946/-)

Publication

1. Annual Report of Seth GS Medical College & KEM Hospital-2022 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.

- a. Institutional activities and functions (ORACON)
- b. Maintenance of front lawn and garden in the KEM campus.
- c. Support for welfare activities of the institutional members (Women Development Committee)
- d. Financial Support of Rs. 32,634/- to develop Remotex software of the Institute
- e. Financial Support of Rs. 19,080 for KEM EDU software renewal of the institute.
- f. Financial support of Rs.50,000/- for the ‘Confluence 2022’
- g. Financial support of 50,000/- for the Aavishkar’ 22.
- h. Financial support of Rs. 2,00,000/- for Patient Education Cell

Dr. Manu VL Kothari & Division of Medical Humanities

- List of faculty members:
Dr. Sunil Pandya:(Past Professor and Head, Department of Neurosurgery) M.V.L.K. Chair of Medical Humanities.
Dr. Lopa Mehta (Past Professor and Head, Department of Anatomy, Professor emeritus) : Advisor
Dr. Ravi Ramakantan, (Past Professor and Head , Department of Radiology) Advisor
Dr. Padmaja Samant (Professor Ob Gyn) Coordinator
Dr. Swarupa Bhagwat (Assoc. professor, Transfusion Medicine) Member
- Student members:
Ms. Rucha Dhakne: 3rd MBBS
Mr. Rohan Walse: 3rd MBBS
Mr. Jason Sequera: 2nd MBBS
Ms. Radhika Thakur: 2nd MBBS

Publications:

- REFLECTIONS:COVID 19:The Human Angle (A compendium of experiences and learnings contributed by teaching & non-teaching staff members and students of GSMC & KEMH)- Annual book release .
- Educational Events conducted 2022 :
 - o 23/01/22-"The Story after the Story: Humanism and Medicine Post COVID"- by Dr.Abraham Verghese, Foundation day of the Medical Humanities Chair.
 - o 30/04/22- Journey to First Hand Transplant - by Dr.Vinita Puri forFY MBBS students to provide a holistic approach to the learning process of this course.
 - o 16/10/22- Manusmriti - ' Not a Case of ...' a lecture by Dr.Ravi Ramakantan
- Conferences: 26/07/22-31/07/22-Ascension - National Medical Humanities conference
- Educational Certificate Courses:
 - o 17/06/22 - 'Tribal Health in India ' - A short course r to introduce medical students to the different health challenges faced by the tribal people by Dr. Yogesh Kalkonde and Savangari.
 - o 17/09/22- 'History of Medicine'- a short course consisting of series of lectures: 11 sessions - 1 session per week on Saturdays by Mr. Rahul Kothari, MBBS student Seth G.S.. Medical College.
 - o 03/12/22- 'Narrative Appreciation and Reflective Writing'- a short course: 12 sessions- 1 session per week on Saturdays by Dr. Padmaja Samant
- In the Pipeline:
 1. Certificate course on Gender and Health
 2. Certificate course for Class 4 workers of the institute: A brainchild of Dr. Sangeeta Rawat, Dean KEMH GSMC - Patient Care and vocational training of Class 4 workers of the institute

Donations and Grants: Division for Institutional employee appreciation: One time contribution of Rs. 50.000/- has been made by for prizes for Star of the month employees.

Looking ahead:

Recognition as an Academic Department by MCGM and MUHS

Infrastructure: The division has applied to the administration for Acquisition of office space and space for museum (Archives), conference hall and departmental library

GOSUMEC Alumni Association

Objectives of the Society: The aims and objectives of the Association are

- 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. Sangeeta Ravat. Vice President - Dr. Sharad Gogate & Dr. Sandhya Kamat

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

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

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

- Online/Physical Managing Committee Meeting held on 12/03/2022, 1/10/2022 & 30/12/2022
- AGBM held on 12/03/2022
- Proposals & resolution were approved by Managing Committee through email on 14.2.22 & 25.5.2022.
- Presently, the association has 5378 members.
- The period January 2022 to Dec 2022, saw an addition of 110 life members & 4 patron members.

Donations Received –

- Rs. 750000/- received from Anita Bharat Shah
- Rs. 98000/- received from Mahindra & Mahindra Financial services Ltd
- Rs. 25000/- received from Dr. Vaibhav Ganjewar

- Rs. 309050/- received from Dr. S Korgaonkar scholarship
- Rs. 100000/- received from Chetan Duggal on behalf of Dr. Sanjay Bindra

Students' support :

- Dr. S Korgaonkar Scholarship was awarded to four students. (Aman Charniya Rs. 86600/-, Vinayak Godbole Rs. 51500 and Ayush Mishra Rs. 63350/- Chirag Agrawal- II yr MBBS Rs. 107600/- respectively).
- Dr. KT Gajjar scholarship- Rs. 60000/- each was awarded to - Bhagyashree Prabhu- Final Year MBBS, Seema Mande- II year MBBS, Aditya Patil- III minor MBBS
- Dr. KT Gajjar financial assistance for needy students: Rs. 260,000/- divided among 26 needy students.
- Financial assistance to 8 needy students from Dr. Kero, 1987 & 1981 batch donation funds for a total of Rs. 80,000/-
- **Indira Foundation's Motivation for Excellence Scholarships** was awarded to the following students:
 - o Rs. 51650/- awarded to Shivam Shukla- I MBBS
 - o Rs. 79500/- awarded to Omkar Shinde – Final year MBBS
 - o Rs. 44050/- each given to Saniya Sardar & Sarita Manwatkar -Final year MBBS
 - o Rs. 39750/- given to Vaibhav More – Final year MBBS
 - o Rs. 14616/- each given to Shubha Valecha & Janhavi Lad -I MBBS

Prizes:

Prizes were given to students who won Pre-Ascension Competition viz. Painting, Symphony, Blog writing & Photography from Dr. Manu VL Kothari Chair & Division of Medical Humanities Fund.

Conducted Ascension online competitions. The I, II, III winners were as below:

Niritya Abhay - S Swabhawane, T Jagtap & S Khot

Symphony – L Gupta, N Sharma & S Kamble

Pen to paper – S Dedhia, D Sinha, A Tongaonkar

Diopetre Lens – A Yadav, R Paranjape, A Singh

Conducted Ascension 2022 offline competition

Extempore competition- Winner S Singh, Runner up- P Shinde

Medical humanities quiz- winner A Jevan, Runner up- V Lohiya

Social Activities:

- Rs 25000/- towards Blood donation Camp which was organized at Dadar railway station on 24.3.22.
- National Nutrition week 2022 was celebrated at Sakwar & Khadavli on 21/9/2022. 25 CHW participated in the competition (Rs. 1260/-).
- National Nutrition week 2022 was celebrated at UHTC Malvani on 19/9/2022 to 22/9/2022 & 27/9/2022. 217 beneficiaries participated in the programme. (Rs. 3655/-)
- Observation of International Day for older persons-2022 at Naigaon Geriatric OPD (Rs. 5835/-)

Social and extracurricular activities:

- Renewal of RemoteXs services to 1000 users of GSMC & KEMH. The contribution was shared by GAA, DDF, Research Society & DJST .
- Rs. 15000/- given for Avishkar 2022
- Sanctioned fund for Rs. 61,702/- for printing & publication of the Annual report 2022.
- Sanctioned Contingency fund for Dean Rs. 25000/-

Seth G.S. Medical College & KEM Hospital

Dr. Manu VL Kothari Chair & Division of Medical Humanities:

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

- 7th Foundation Day Oration 23 January 2022 delivered by Dr. **Abraham C** Verghese on "The Story after the Story: Humanism and Medicine Post COVID"
- Release of annual volume of Reflections 2021 on medical humanities " COVID-19: The Human Angle" by Dr. Sangeeta Ravat, Dean, Seth GSMC & KEMH on 30/04/2022
- 30/04/22- Journey to First Hand Transplant - by Dr. Vinita Puri for FY MBBS students to provide a holistic approach to the learning process of this course.
- **Manusmriti Oration on "Not.... A Case of...." By *Dr Ravi Ramakantan held on 16/10/2022**
- 15/06/22 to 24/8/2022- 'Tribal Health in India ' - A short course to introduce medical students to the different health challenges faced by the tribal people by Dr. Yogesh Kalkonde and Savangari.

- CONFLUENCE X ASCENSION 2022 held on 28/7/2022 to 31/7/ 2022
- History of Medicine lecture series: 1 A lecture by Dr. Jehangir Sorabjee on “ Why Bother?” On **17/9/2022**
- History of Medicine lecture series: 2 A lecture by Dr. Mario Vaz on “ Medical Pioneers and their stories.” On **24/9/2022**
- History of Medicine lecture series: 3 A lecture by Dr. Bharat Kelkar on “ Hurting war and healing medicine.” On **1/10/2022**
- History of Medicine lecture series: 4 A lecture by Dr. Mridula Ramanna on “ Coping with Epidemics: Indian Doctors in colonial Mumbai.” On **8/10/2022**
- History of Medicine lecture series: 5 A lecture by Dr. Sunil Pandya on “ The Genesis of our institutions.” held on **15/10/2022**
- History of Medicine lecture series: 6 A lecture by Dr. Sunil Pandya on “ Some of our eminent teachers” held on **29/10/2022**
- History of Medicine lecture series: 7 A lecture by Dr. Avinash Supe on “ The story of Surgery” held on **5/11/2022**
- History of Medicine lecture series: 8 Lecture by Dr. Ravi Ramakantan on “ Medicine is a science of uncertainty and an art of probability.” Held on **12/11/2022**
- History of Medicine lecture series: 9 Online programme on “ The History of history talking clinical medicine through the ages a talk by Dr. Bhavin Jankharia held on **19/11/2022**
- History of Medicine lecture series: 10 Online programme on “ Some of our eminent teachers part II a talk by Dr. A Vaidya, Dr. N Bharucha, Dr. J Deshpande held on **26/11/2022**
- 03/12/22- ‘Narrative Appreciation and Reflective Writing’ - a short course: 12 sessions- 1 session per week on Saturdays by Dr. Padmaja Samant
- **Looking ahead:**
Recognition as an Academic Department by MCGM and MUHS
Infrastructure: The division has applied to the administration for Acquisition of office space and space for museum (Archives), conference hall and departmental library
- **In the Pipeline:**
 - o Certificate course on Gender and Health
 - o Certificate course for Class 4 workers of the institute: A brainchild of Dr. Sangeeta Rawat, Dean KEMH GSMC - Patient Care and vocational training of Class 4 workers of the institute.

GSMC- Bioethics Unit

WORLD BIOETHICS DAY CELEBRATIONS 2022:

GSMC MUHS International Chair Bioethics Unit Celebrated World Bioethics Day 2022 on 12th October, 2022. As a part of World Bioethics Day Celebration 2022, various competitions, and main events were extended over a period of August-September followed by the main event on the theme ‘SOCIAL RESPONSIBILITY AND HEALTH’.

THE MAIN EVENT: WBD 2022 CELEBRATIONS:

WBD 2022 was celebrated on day, 12th October 2022

RELEASE OF ‘INARCH BULLETIN 2022

The annual bulletin of the Bioethics Unit ‘Inarch 2022’ was released by Dr Sangeeta Rawat, Dean of Seth GSMC & KEM Hospital

Symposia: Transplant Ethics and Health System Responsibility

The guest speakers were:

1. Dr. Chetan Kantharia: Topic: Contentious Issues in Liver Transplant. Professor & Head, Department of GI Surgery, Seth GSMC & KEMH, Mumbai
2. Dr. Chandrakala: Topic: Ethical Aspects of HSCT. Professor & Head, Department of Haematology, Seth GSMC & KEMH, Mumbai
3. Mr Shrikant Apte: Topic: Needs and Expectations from Organ Transplant Programme
4. Dr. Akash Shukla: Health System Responsibilities for A Successful Transplant Programme
Felicitation of Ex-members who were Founder members and ex officio Members of Bioethics Unit

WINNERS OF WBD 2022 COMPETITIONS:

Name of Competition	Name of the Student	Course and Year
POETRY		
First Prize (English)	Vaishnavi Khavale	Second Year Nursing
First Prize (Marathi)	Simon Peter Anjali Saroj	Junior Resident Community Medicine First Year Nursing
SHORT FILM		
First Prize	1. Komal Dilip Mokase 2. Vaishnavi Chandrabhan Ghuge 3. Diksha Sandip Yadav 4. Shraddha Raju Mapari 5. Pratiksha Padmasinh Kadam 6. Komal Sunil Patil 7. Sonali Dadabhau Gayke 8. Pratiksha Dadasaheb Gayke	First Year Nursing
PHOTOGRAPHY		
First Prize	Vaishnavi Late	Third Year Nursing
Second Prize	Sayali Shirsath	Second Year Nursing
POSTER		
First Prize	Sakshi Pandurang Ambre	First Year Nursing GNM
Second Prize	Atiksha Kate	First Year Nursing GNM
Third Prize	Karishma Sakharam Pimpale	First Year Nursing GNM
Fourth Prize	Harsha Kolhatkar	First Year MBBS
Fifth Prize	Pranita Misal	Fourth Year Physiotherapy
5. STREET PLAY		
First Prize	1. Srushti Vishwadas Lokhande 2. Ashwini Kailas Giri 3. Shradha Balu Wakshe 4. Anjali Namdev Gaikwad 5. Punam Kishor Chaudhari 6. Tejasvini Vijaykumar Raut 7. Uma Rajabhau Bhosale 8. Santoshi Suryakant Vanve 9. Vaishnavi Ramesh Pawar 10. Chetana Yogesh More 11. Akshta Anil Bhurse 12. Anjali Sureshkumar Saroj	First Year Nursing

NURSING FACULTY SENSITIZATION PROGRAMME IN BIOETHICS

Nursing faculty sensitization programme was held on 10th February 2022 from 9:00 am to 4:00 pm. Total 22 nursing faculty participants were present.

The objective was to sensitize all nursing faculty in training of bioethics.

Publications:

- Annual bulletin of the unit, "INARCH" based on the theme "Social Responsibility and Health" will be released during the World Bioethics Day Celebration on 12th October 2022. Dr Padmaja Samant is the Editor of this bulletin
- Marathe P, Pooja SG, Bavishi D, Kokate D, Mulkawar A, Rege N. Assessment of Ethics and Professionalism among the Medical Students of a Tertiary care Teaching Hospital in India: A Questionnaire Based Cross- sectional Survey. Global Bioethics Enquiry. 2022;10 (1).
- D'Souza, Russell & Mathew, Mary & D'Souza, Derek & Mishra, Neelam & devi, Poovishnu & Jiandani, Mariya & Stephens, John & Abdelbasset, Walid & Kingau, Naomi & Perumal, Veerragava & Wadugodapitya, Surangika & Subaie, Saud & Noh, Zulfikri & Gilmour, Tanya. (2021). Position Paper Physiotherapy Ethical Guidelines Based on UNESCO's Universal Declaration of Bioethics and Human Rights. Global Bioethics Enquiry Journal. 9. 122. 10.38020/GBE.9.2.2021.122-126.

II. Education:

GSMC MUHS International Bioethics unit conducts training for undergraduate students across various disciplines in accordance with the syllabus designed by MUHS. The following topics were covered for various disciplines:

Date	Discipline & Batch	Topics covered
Feb 2022 to August 2022	First MBBS Students 2021-22 Batch	Ethics & Professionalism Module of Foundation Course
April 2022	Third year Physiotherapy	Ethics & Professionalism
Feb 2022	First Year Physiotherapy	Principles of Bioethics
2022	Surgery Residents	Ethical Dilemmas
2022	Obstetrics & Gynecology Residents	Ethical Dilemmas

GSMC MUHS INTERNATIONAL CHAIR BIOETHICS UNIT & STUDENTS' WING

GSMC MUHS INTERNATIONAL STEERING COMMITTEE OFFICE BEARERS 2022-24:

Sr. No	Name	Unit Affiliation	Designation
1	Dr Sangeeta Ravat	Chairperson	Dean
2.	Dr Harish Pathak	Co-chairperson	Academic Dean
3.	Dr Padmaja Mavani	Head, Bioethics Unit & Editor	Obstetrics and Gynaecology
4.	Dr. Yashashri Shetty	Head, Steering Committee	Pharmacology and Therapeutics
5.	Dr Usha Kasar	Secretary	Occupational Therapy
6.	Dr Jyotsna Thosar	Treasurer	Physiotherapy
7.	Dr Kanchan Kothari	Website coordinator	Pathology

STUDENTS' WING MEMBERS 2022:

Sr No	Name of the Student	Course	Year	Contact number
1	Shruti Tilak	MBBS	Intern	+91 98337 51109
2	Piyush Vinchurkar	MBBS	Intern	+91 84120 64160
3	Jayesh Urkude	MBBS	Intern	+91 98349 82509
4	Paras Arora	MBBS	Third Year	+91 97698 29559
5	Vaibhavi Tapade	MBBS	Third Year	+91 97029 11888
6	Vaishnavi Miskin	MBBS	Third Year	+91 72192 74966
7	Alisha Sayyad	MBBS	Third Year	+91 93241 91265
8	Dikshant Degloorkar	MBBS	First Year	+919545050135
9	Mansi Goud	MBBS	First Year	+918976098930
10	Vineet Chandak	MBBS	First Year	+919657513474
11	Samridhhi Narayan	MBBS	First Year	+919594966591
12	Dheer Porwal	MBBS	First Year	+918446687906
13	Mrinmayi Sanap	Occupational Therapy	Intern	+91 86527 87784
14	Shreya Shah	Occupational Therapy	Intern	+91 98709 82484
15	Tina Parker	Occupational Therapy	Intern	+91 97737 92224
16	Sakshi Palsambkar	Occupational Therapy	Final Year	+918779978409
17	Kinjal Lapasiya	Physiotherapy	Final Year	+91 9930530035
18	Anusha Kapileshwar	Physiotherapy	Final Year	+91 93265 96578
19	Yashvi Gogri	Physiotherapy	Third year	+91 83694 99121
20	Anushree Somanathan	Physiotherapy	Second Year	+91 98921 21187
21	Aakash Joshi	Physiotherapy	Second Year	+91 93097 00599
22	Rutuja Bhoir	Nursing	Second Year	+91 70217 22135
23	Priyanka Bunde	Nursing	Second Year	+91 70217 22135
24	Sampada Sawant	Nursing	Second Year	+919403033972
25	Pooja Hajare	Nursing	Second Year	+919324210670
26	Neha Yadav	Nursing	Second Year	+918879542999
27	Swapnali Hile	Nursing	Second Year	+919309533539
28	Santoshi Vanve	Nursing	First Year	+917264982182
29	Poonam Kadam	Nursing	First Year	+917755908939

Hospital Infection Control Committee [HICC]

- Promote a culture of safety for both patients and healthcare workers
- Reduce the risk of healthcare associated infections
- Reduce the risk of spread of multi drug resistant organisms

Members of KEM HICC

Dr. Sangeeta Ravat	Dean (G &K), Chairperson
Dr. Chetna Kantharia	Dy. Dean (II I/c)
Dr. Manoj Tilkatwar	Assit. Dean
Dr. Vaishali Gondane	Assistant Dean
Dr. Milind Nadkar	Prof. and Head, Medicine
Dr. Amita Athavale	Prof. and Head, Chest Medicine
Dr. Sandesh Paralkar	Prof. and Head, Pediatric Surgery
Dr. Vinita Puri	Prof. and Head, Plastic Surgery
Dr. Varsha Kulkarni	Prof. and Head, General Surgery
Dr. Anitha	Prof. and Head, Neonatology
Dr. Ruchi Nanavati	Prof (Emeritus), Neonatology
Dr. Hetal Marfatia	Prof. and Head, E.N.T
Dr. Avinash Ingole	Prof. and Head, Ophthalmology
Dr. Tukaram Jamale	Prof. and Head, Nephrology
Dr. Chaya Kumar	Prof. and Head, Microbiology
Dr. Himangi Warke	Prof., OBGY
Dr. Ravindra Kembhavi	Addl. Prof. PSM
Dr. Padmaja Marathe	Professor (Addl.), Pharmacology and Therapeutics
Dr. Manjusha Karegar	Associate Professor, Pathology
Dr. Gita Nataraj	Microbiology, Convenor
Dr. Lona Dash	Professor (Addl.), Microbiology
Dr. Shreeraj Talwadekar	Asst. Prof., Microbiology, Infection Control Officer
Dr. Girish Sabnis	Asso. Prof., Cardiology
Dr. Sujata Aiyer	Asso. Prof., Orthopaedics
Dr. Seema Mhatre	
Mr. Vinay Shedge	(AE & ME)
Dr. Pratima Naik	Matron
Smt. Akshra Shelke	Asst. Matron
Smt. Smita Padiye	Sister Tutor
Smt. Susmita Upadhyay	Sister I/c
Mrs. Priti Natekar	HIC Nurse
Ms. Sarika Pachkude	Coordinator –KEMH ICC
	A.E (M & E)

Activities

- **Third covid wave** – Emphasis on control measures, masking audit for patients and their relatives and monitoring compliance, rational distribution of N95 and PPE was continued.
- **Audit**
 - o Regular audit of hand hygiene practices, biomedical waste management and bundle care (prevention of device associated infections) were carried out in various clinical areas
 - o In addition, the nursing team members also carry out regular audit on biomedical waste management practices
- **Hand Hygiene Day** (5th May 2022)
Commemorated with an online quiz questionnaire with more than 250 HCWs as participants
- **Training**
 - o Regular training on standards precaution, COVID – 19 related precautions, biomedical waste management, bio-safety was conducted for 1st and 2nd MBBS students , Interns , JR1 of a few departments and nursing students
- **Projects initiated by members**
 - o Implementation and observations of hospital infection control practices in a tertiary care hospital
 - o Knowledge and attitude of health care professionals towards hand hygiene practices in a tertiary care setting

Institutional Animal Ethics Committee [IAEC]

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 'Breeding and Research on animals' (Registration no.:60/PO/ReBi/S/99/CPCSEA) dated 07/10/2022 valid till 06/10/2027. The IAEC functions according to the guidelines laid down by the CPCSEA.

The IAEC has 9 members, out of which 5 members are staff members of the institute and 4 external members are nominated on the IAEC by CPCSEA.

Sr. No.	Name	Position on IAEC	Department
1	Dr. Sandhya Kamat	Chairperson	Pharmacology & Therapeutics, Seth GSMC and KEMH, Mumbai
2	Dr. Shruti Bhide	Member Secretary	Pharmacology & Therapeutics, Seth GSMC and KEMH, Mumbai
3	Dr. Kiran Joshi	Veterinary officer in charge of animal facility	Pharmacology & Therapeutics, Seth GSMC and KEMH, Mumbai
4	Dr. Kanchan Kothari	Scientist from different biological discipline	Pathology Seth GSMC and KEMH, Mumbai
5	Dr. Sharad Patel	Biological Scientist	Physiology, Seth GSMC and KEMH, Mumbai
6	Dr. Uddhav Chaudhari	CPCSEA Nominee	Department of Primate Biology, National Institute for Research in Reproductive Health, (ICMR)
7	Dr. Haladhar Sarma	Link Nominee	Bhabha Atomic Research Centre, Mumbai
8	Dr. Dhanjitkumar Das	Scientist from outside the institute	National Institute for Research in Reproductive Health, Mumbai
9	Mr. Hassan Nalband	Socially aware nominee	Reliance Life Sciences Pvt Ltd

No. of meetings held in 2022: **2**

No. of new projects submitted and approved: **8**

Ongoing projects: **12**

Projects completed in 2022: **5**

Institutional Ethics Committee [IEC-1, IEC-2, IEC-3]

Registration / Accreditation / Recognition	IEC-I	IEC-II	IEC-III
Established on	6th January, 1987	14th Nov, 2008	12th Oct, 2019
Registration with: DCG(I) & Central Licensing Authority: (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	-	-
Govt of India, Ministry of Health & Family Welfare, Dept of Health Research (DHR), (National Ethics Committee Registry for Biomedical 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
SIDCER & FERCAP: 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	-
NABH: 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 29th June 2020 effective from 1st 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 2022 (updated as on 29.12.2022)

IEC- I		IEC- II Full Board	IEC- III Full Board	SAE Subcommittee	Total meetings
Full Board	Emergency				
9	0	08	07	17	41

2. Review performed by IECs in year 2022 (updated as on 29th Dec 2022)

	IEC-I				IEC-II			IEC-III			Total
Review	PHARMA	OA	Govt	Funded	OA	Govt	Thesis	OA	Thesis		
Full Board	19	7	3	4	58	5	85	72	85		338
Expedited	0	0	0	0	17	-	-	15	-		32
Exemption	0	0	0	0	3	-	-	06	-		09
Total	19	7	3	4	78	5	85	93	85		379
	33				168			178			
Active projects	PH-30	OA-14	GOVT-5	Thesis-1	GOVT-16	OA-172	Thesis-307	GOVT-3	OA-178	Thesis-298	1024

3. Serious Adverse Events reported and reviewed in the year 2021: 5437

Member list of IEC-I as on 29th December 2022

Sr. No.	Name and position on IEC-1	Qualification	Affiliation
1.	Dr. Ms. Manju Sengar Chairperson	MD (Medicine), DM (Medical Oncology), PGDCT Clinical trials	Tata Memorial Hospital, Mumbai. 400012.
2.	Dr. Ms. Raakhi Tripathi Member Secretary (Basic Medical Scientist)	MD (Pharmacology). Associate Professor Pharmacology & Therapeutics	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
3.	Dr. Mrs. Nithya Gogtay Jt. Member Secretary (Basic Medical Scientist)	MD (Pharmacology), DNB (Pharmacology), DNB (Clinical Pharmacology), PhD (Applied Biology) Prof. and Head, Dept. of Clinical Pharmacology	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
4.	Dr. Milind Nadkar Member (Clinician)	M.D (General Medicine), FICP, FACP. Prof. and Head, Dept of Medicine.	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
5.	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.
6.	Ms. Veera Gayakwad Member Legal Expert	LLB, LLM (Mumbai University) Diploma in Cyber Law.	Bar Council of Maharashtra & Goa
7.	Ms. Meera Shah Member Social Scientist	M.S.W (Social Work) M. A. (Clinical Psychology) N.L.P, R.E.T. and Counselling	-
8.	Dr. Ms. Alpana Kirtikar Purohit Member (Lay person)	M.com, MMS.	-
9.	Dr. Vyankatesh Shivane Member (Clinician)	M.B.B.S., MRCP-UK, Diploma in Diabetology, FACP (USA) Dept. of Endocrinology	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
10.	Dr. (Mrs.) Sushma Save (Clinician)	MD, DCH, IBCLC (USA). Associate Professor, Dept of Pediatrics,	Topiwala National Medical College & B. Y. L. Nair Charitable Hospital, Mumbai.

Sr. No.	Name and position on IEC-1	Qualification	Affiliation
11.	Dr. Monty Khajanchi Member (Clinician)	DNB (Surgery), MBBS Assistant Professor (General Surgery).	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
12.	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 29th December 2022

Sr. No.	Name and position on IEC-2	Qualification	Affiliation
1.	Dr. Sunil Kuyare Chairperson	M.D (Microbiology), PGDHA	Lab Director Apoorva Diagnostic and Healthcare Mumbai
2.	Dr. Priyanka Prasad Member Secretary (Basic medical Scientist)	M.D. (Microbiology) PGDHHM Associate Professor	Seth GS Medical College and KEM Hospital, Mumbai Dept of Microbiology
3.	Dr. Mona Agnihotri Jt / Acting Member secretary/Basic Medical Scientist	M.D. (Pathology) Associate Professor (Additional)	Seth GS Medical College and KEM Hospital, Mumbai.
4.	Dr. Gita Nataraj Clinician/ Basic medical Scientist	M.D.(Microbiology), Diploma in Pathology & Bacteriology. Professor and Head,	Dept of Microbiology Seth GS Medical College and KEM Hospital, Mumbai.
5.	Dr. Anita Mathew Clinician	M.D.(Medicine), DNB, Diploma in Child Health (DcH)	Director Internal Medicine & Infectious diseases at Fortis Hospital, Mulund. Consultant in Infectious disease at LTMMC & GH, Sion, Mumbai, which is a teaching hospital & Medical school
6.	Dr. Charan Lanjewar Clinician	M.D. (Cardiology), DM Associate Professor and Head of the Unit,	Dept of Cardiology Seth GS Medical College and KEM Hospital, Mumbai.
7.	Dr. Mamta Muranjan Clinician	M.D.(Pediatrics), DCH Professor	Dept of Pediatrics, Seth GS Medical College and KEM Hospital, Mumbai.
8.	Dr. Vijaya Babre Clinician	MBBS, DNB, FI COG, FCPS, DG O, DFP, DHA. (Diploma of Hospital Administration) Assistant Professor	Department of OBGY at K.J. Somaia Medical College Sion Mumbai.
9.	Dr. Sayali Thakare Clinician	M.D. (General Medicine), DM (Nephrology), DNB (Nephrology) Assistant Professor	Dept of Nephrology, Seth GS Medical College and KEM Hospital, Mumbai.
10.	Ms. Manda Loke Legal Expert	B.Com., M.A.(Eco.), LL.M	Advocate High Court
11.	Dr. Melita Vaz Social Scientist	PhD MSW MA	-
12.	Ms. Radhika Koppikar Lay person	B.A(Economics), M.A(Economics), Diploma in Business Finance	Faculty (Art of Living Programs)
13.	Dr. Karuna Vishal Nadkarni (Clinician)	Bsc(O.T.),MOTh, PHD Scholar at Maharashtra University Professor and Head	Dept of Occupational Therapy Training School & Centre Seth GS Medical College and KEM Hospital, Mumbai.
14.	Dr. Sandhiya Selvarajan Member (Basic Medical Scientist)	M.D. (Pharmacology), DNB (Pharmacology), D.M. (Clinical Pharmacology) Additional Professor and Head	Dept of Clinical Pharmacology JIPMER Pondicherry

Member list of IEC-III as on 29th December 2022

Sr. No.	Name and position on IEC-3	Qualification	Affiliation
1.	Dr. M G Karmarkar Chairperson	M.D (Microbiology), PGDHA	Microbiologist.
2.	Dr. Swapna Kanade Member Secretary [Basic Medical Scientist]	M.D. (Microbiology),	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
3.	Dr. Shirish Joshi Jt./Acting Member Secretary [Basic Medical Scientist]	PGDCR (Post graduate diploma in Clinical Research) M.D.(Pharmacology), M.B.B.S	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
4.	Dr. Priyanka Honavar Clinician	DGO, DNB (Obstetrics & Gynaecology), FMAS	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
5.	Dr. Archana Sonawale Clinician	MD (Medicine)	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
6.	Dr. Ashish Gupta Basic Medical Scientist	MD, DNB (Pharmacology)	Department of Pharmacology, AIIMS, Nagpur.
7.	Dr. Shwetal Pawar Clinician	M.B.B.S. DNB (Nuclear Medicine), MNAMS Fellow Of Pediatric Nuclear Medicine, London, UK.	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
8.	Dr. Nitin Dange Clinician	M.B.B.S., M.S. (Gen. Surgery), M.Ch. (Neurosurgery), OBNI-USA, Neuro Intervention Fellowship FFHU-JAPAN	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
9.	Dr. Leena Gangolli Legal Expert	M.B.B.S., M.H.A. (T.I.S.S.), M.P.H. (Harvard University), L.L.M. (University of Mumbai)	Member of National Task Force for Palliative Care.
10.	Ms. Anuradha Prabhudesai Social Scientist	MA Counselling Psychology	-
11.	Ms. Sai Kulkarni. Lay person	Ph.D., M.A. (Economics)	-
12.	Dr. Bhavana Mhatre Clinician	FAIMER Fellow, M.Sc, B.Sc in Physical Therapy	Physiotherapist

IEC office Staff:

Name	Designation and IEC	Contact details
Mrs. 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
Ms. Shweta Surve	Deputy Manager IEC-I	
Ms. Manasi Lad	Deputy Manager IEC-I	
Ms. Rasika Nikharange	Sr. Executive Assistant IEC-II	
Ms. Ashwini Patil	Executive Assistant IEC-II	
Ms. Prajakta Auti	Deputy Manager IEC-III	
Mr. Pranay Toraskar	Executive Assistant IEC-III	
Mr. Mangesh Khochade	Office Assistant IEC	
Mr. Chetan Solanki	Office Attendant IEC	

Activities of the IEC

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

- ICMR 2017 & SOP version 6.1 training is organized on Monday 12th September 2022 at 02:00 pm
- Training on NDCT rule 2019 & GCP is organized on Saturday 10 Sept 2022 at 12 noon
- Training on Introduction to GCP and SOPs, Friday, 9th December 2022 at 7 pm

2. Publication related to research ethics in scientific journals:

- “Does the informed consent document follow the national guidelines and convey the nature of the study in Allied Health Biomedical health research? – A retrospective analysis of proposals submitted to an IEC of a tertiary care hospital”, by Dr. Shilpshree Palsule, Dr. Jaimala Shetye and Ms. Manasi Lad

Awards

1st prize in oral presentation category at ISCR 15th online Annual conference at Mumbai titled “Onsite SAE Reporting: Seven Year Experience of Institutional Ethics Committee of a tertiary care hospital “ authored by Dr Yashashri Shetty, Dr Prajakta Auti.

Institutional Committee for Stem Cell Research [IC-SCR]

Established: 2008, 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

Current SOPs dated 12th June 2020 are available on our website www.kem.edu

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

There were no projects submitted in the year 2022 and there are no ongoing studies also in the area of stem cell .Two studies approved were withdrawn.

Administrative Manager: Mrs. Janhavi Katkar, 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

Internal Complaints Committee (Women's Complaints Committee)

Name designation and address	Dr. Mrs. Pratima Naik, Matron KEM Hospital, Parel, Mumbai-400012
Telephone/mobile no.	022-24107049 / 9619272780
Email address of the Presiding Officer	naikpratima@yahoo.co.in
Name of NGO member	Smt. Swatija Paranjape
Telephone/mobile no.	9987070793
Email address	swatija@gmail.com

Name of the remaining members with their Telephone/mobile no. Email address	1.	Dr. Harsha Thakur 9764599957 harshadathakur@gmail.com
	2.	Dr. Rajneesh Pandey 9870226606 prajneesh@gmail.com
	3.	Mr. Bhavesh Saligram 9869012412 bhaveshsaligram@gmail.com
	4.	Mr. Vijay Jawlekar 9082774671 vijayjawlekar@yahoo.com
	5.	Ms Deepali Jaydyar 9769791936 Deepali.jaydyar06@gmail.com
	6.	Ms Dorine Adrade 9869435216 andradedorine@yahoo.com
	7.	Ms. Neeta Kadam 9820811285 08beetakadam@gmail.com
	8.	Dr. Kranti Kadam 9920969088 drkrantik@gmail.com

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 68th year of being published. Impact Factor* as reported in the 2021 Journal Citation Reports* (Clarivate Analytics, 2022) has increased to 1.566 (it was 1.476 in 2021). Journal of Postgraduate Medicine has an h-index of 59, meaning that 59 articles of this journal have more than 59 numbers of citations. The journal's full text is available online at www.jpgmonline.com and www.bioline.org.br/jp. The journal's website (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. Dr. Charan Lanjewar was elected as Assistant Editor and joined the Editorial team consisting of Dr. Sunil Karande (Editor); Dr. Mariya Jiandani and Dr. Sweta Salgaonkar (Associate Editors); and Dr. Sharmila Jalgaonkar and Dr. Urwashi Parmar (Assistant Editors). The journal received 989 manuscripts for publication during the year 2022; and the acceptance rate was about 5%. In spite of the ongoing 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 years 2021 and 2022 have been audited and approved at the Annual General Body Meetings of the Staff Society held on 29th January 2022 and 30th August 2022.

KEM Hospital Poor Box Charity Fund [KEMH PBCF]

The KEM Hospital Poor Box Charity Fund, commonly known as PBCF was instituted by a standing committee resolution in 1926.

Donations are collected in this fund for the poor and needy patients from individual donors, various relief funds and

NGO's such as Prime Minister's National Relief Fund, Chief Minister's Relief Fund, Mayor's Fund, Siddhi Vinayak Trust, Mahalakshmi Trust, Saibaba Sansthan, Shirdi, Tata Education and Development Trust, Sir Dorabji Tata Trust, KARO Trust. It also receives funds from Impact Guru, a crowd funding platform.

The donated amount is used for the patients after taking the required sanctions. This year PBCF spent Rs. 76,48,685.82/- (Rupees Seventy Six Lakh Forty Eight Thousand Six Hundred Eighty Five & Eighty Two Paise Only) 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. Sangeeta Ravat

Hon. Vice President: Dr. Neena Sawant,

Hon. General Secretaries: Dr. Hemant Nandgaonkar & Dr. Rajneesh Pande, Dr. Bhavna Mhatre (till September 2022), Hon. Treasurer: Dr. K. Joshi

Executive Committee members:

Dr. S. Ravat, Dr. S. Bhide, Dr. S. Kanade, 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 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 2022 to December 2022

- Research grants for 15 projects were sanctioned upto Rs. 100000/- (2022 set I & set II).
- Clinical trial amount of Rs. 7751068.96/- received from the departments of Cardiology, Neurology, Clinical Pharmacology & Anesthesia. Other donation amount of Rs. 237381/-
Ongoing Clinical trial: 12 & New Clinical trial: 6
- Life Membership fees received Rs.1,000/-
- Executive committee meetings held = 10 and AGBM = 1
- EC sanctioned Funding Rs. 62,500/- for printing of annual report 2022.
- Rs. 50000/- sponsor one session of UG-PG conference-confluence – Confluence 22.
- Rs. 32634/- contribution for Remotex software to Gosumec Alumni Association
- Rs. 1400/- purchase mobile for Research society office
- Research society has registration u/s 12A & u/s 80G as per amendment in I.T. Act. 1961

Research proposal that received grants were as follows:

2022 Set-I

Sr No	Title of Project	Name of Chief Investigator
1	Safety and Feasibility of Second Generation Laryngeal Mask Airways with wide gastric port for Trans-esophageal Echocardiography guided trans-catheter device closure procedures: a prospective observational study	Dr. Sanjeeta Umbarkar
2	To compare executive functions in children with Specific learning disability (SLD) and Attention deficit/hyperactivity disorder (ADHD) using standardized tests: A cross sectional study	Dr. Karuna Nadkarni
3	Effect of Yoga, Pranayam And Well Being Sessions on Pain Tolerance and Pain Threshold Levels in Normal Healthy Participants using the Cold Pressor Technique	Dr. Sweta Salgoankar
4	Prevalence of invasive aspergillosis in haematological patients in a tertiary care hospital	Dr. Shashir Wanjare
5	A comparison of different dosing regimen of intravenous paracetamol for hemodynamically significant PDA closure in premature neonates less than 32 weeks : A prospective randomized trial.	Dr. Anitha

Sr No	Title of Project	Name of Chief Investigator
6	Prediction of factors influencing Indian adults likelihood of accepting any COVID-19 vaccination and their willingness to pay “a discrete choice experiment study.”	Dr. Nithya Gogtay
7	Growth and neurodevelopmental outcomes at 18 months in a follow-up cohort of 21 SARS-CoV-2 infected neonates: a prospective observational study from India	Dr. Ruchi Nanavati

2022 II set

No	Title of Project	Name of Chief Investigator
1	Metabolomic Signature of Amino Acids and its Correlation with Indices of Obesity and Glucose Regulation in Indian Obese and Non-Obese Adult Population	Dr. Yogesh R. Pawade
2	Prevalence, of Chikungunya viral infection among patients presenting with acute febrile illness in a Tertiary Care Hospital in Mumbai-A Single Centre Study.	Dr. Vijaya Torane
3	Reliability and Validity of an Indian Adaptation of the Boston Naming Test for the Temporal Lobe Epilepsy Surgery (TLE) Program in a Tertiary Hospital, Mumbai, India	Dr. Sangeeta Ravat
4	Prediction of factors influencing Indian adults likelihood of accepting any Influenza vaccination and their willingness to pay an internet-based discrete choice experiment study.	Dr. Nithya Gogtay
5	Adherence to Developmentally Supportive Care: A Memory-Based Approach vs. a Mobile App-Based Approach	Dr. Anitha Haribalkrishna
6	To Study Serum Biomarkers For Diagnosis of Early Hepato cellular Carcinoma (HCC)	Dr. Akash Shukla
7	Profile of EHPVO in young and infants and young children: Does early onset imply poorer growth indices?	Dr. Aditya Kale
8	Development of measurement criteria for academic performance and its association with psycho-social factors and motor proficiency in physiotherapy undergraduates	Mariya Jiandani

Total grants given- Rs. 583548.97/-.

Oration 2022

Dr. V. N. Bagadia Oration delivered by Dr. Philip John on “Journey of a Lifetime - An evolving paradigm of Neuro Developmental Disorders” Chairperson: Dr. H. S. Dhavale

Regional Resource Centre-Western Region, National Medical College Network (NMCN)

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, Tele CME, Tele specialist consultations, Tele follow-up, sharing of surgical & interventional skills and access to Digital Library.

RRC(W) Program Management Unit committee members (NMCN) -

Dr. Sangeeta Ravat - Dean, Chairperson

Dr. M.M. Desai - Prof. & Head, Orthopaedics, Nodal officer-RRC (as of 30/11/2022)

Dr. Priyanka Prasad - Associate Professor, Microbiology, Assistant Nodal officer (as of 30/11/2022)

Dr. Gita Nataraj - Professor Emeritus, Co-ordinator-RRC (Former Nodal Officer)

Dr. Padma Bhade - Addl. Professor, Radiology (Tele-radiology)

Dr. Praveen Iyer - Prof., Anatomy (I/c eClassroom/Digital Lecture Theatre)

Dr. Rajneesh Pandey - Associate Professor, Anatomy (Member - NKN)

Dr. Shreeraj Talwadekar - Assistant Professor, Microbiology (Coordinator for eLearning Modules)

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

Activities carried out under NMCN:

- **499 Tele-education sessions** have been conducted during the year.
- **Digital medical lecture theatre/e-Classroom** (RRC KEMH) has been utilised to conduct 110 Live lectures (only

those that were streamed/connected to other institute), Foundation Course for I MBBS students, CMEs/Workshops, academic clinical programs, RMO orientation program, etc. for live streaming and some were shared with other 50 medical colleges across India.

- **Live audio-visual demonstration of dissections** from dissection hall to digital medical lecture theatre/e-Classroom in Dept. of Anatomy which has benefited 250 UG Students.
- Live streaming sessions via YouTube have been conducted for clinical programs by Depts. of Anatomy, General Surgery, Medical Education Unit and Occupational therapy.
- **Online Learning Management Information System (LMIS) content videos for UG medical Students is under development for National Medical College Network. (NMCN).**
- **Workshop - Ministry of Health and Family Welfare** organized a workshop on the theme: Content Development for National Online Learning Management Platform at New Delhi (Dec 2022). The workshop was attended by Nodal Officer, Assistant nodal officer, Content Developer along with Nodal Officers from 5 Govt. Medical Colleges from the states of Maharashtra, Gujarat and Goa linked with RRC(W) under NMCN.
- **Digital Medical Library** - Books, e-Resource, Print + Online Medical Journal & medical database subscriptions were made available for students, faculty, which are accessible in college campus on intranet via internet.
- Upgradation of the existing bandwidth to 1Gbps is in process at Seth G. S. Medical College & KEM Hospital, Mumbai with high-speed NKN connectivity. This will be of use to all departments and is expected to facilitate improved delivery of online learning and other activities. It is proposed to improve this connectivity even further within the campus to facilitate access via Wi-Fi (GSMC/Eduroam).

Following is the list of tele-education/ e-learning educational content activities which have been conducted with the available facility and/or technical support of RRC: -

- Multidisciplinary CME -Reviewing SARS Cov-2 under pretext of Omicron by Medicine, PSM, Microbiology.
- Live streaming – 96th Foundation Day of Seth G. S. Medical College & KEM Hospital Mumbai. (Views - **5003+**)
- EQAS Panel Distribution Workshop by Dept of Microbiology, Seth GSMC & KEMH Mumbai via Google Meet (kem.edu) platform with ICTC centres 20+ participants have joined the workshop.
- Pharmacovigilance Workshop - Dept of Clinical Pharmacology, Seth GSMC & KEMH Mumbai in collaboration with PvPI-IPC (Indian Pharmacopoeia Commission) & IPC-Delhi, Mumbai, IPGMER-Kolkata, UK, Birmingham, JIPMER-Puducherry, NIMS via Zoom platform 100+ participants, Live streaming across India have joined the workshop.
- Live CME Eliminating Tuberculosis (World TB Day) by Dept. of Pulmonary Medicine and Environmental Pollution Research Centre& Department of Microbiology.
- GENSURG 2022 and KEM SS Preparation Course - Dept of General Surgery via Microsoft Team/Zoom platform for PG Students.
- Live Webinar Monkeypox- Awareness for Preparedness by Dept. of Microbiology via Cisco Webex platform 371+ participated.
- FAIMER Workshops, NICU Workshop via virtual platform.
- Videos are indexed on NMCN Portal (Search by content, Dr's Name, Topic, College) and available using the link below:
https://nmcn.in/video_list.php

Seth GS Medical College - Multidisciplinary Research Unit [GSMC-MRU]

The Seth G S Medical College Multidisciplinary Research Unit (GSMC MRU) serves as the central research laboratory of the institution which is one of the requirements for institutes to be recognized by the National Medical Commission. It is located on the 1st & 2nd Floor of the Mortuary Building of the institute. It was established under the aegis of the Central Sector Scheme of the Department of Health Research (DHR), Government of India for the development of infrastructure for promotion of health research in different areas of non-communicable diseases. The unit received funding from DHR in September 2014 and started functioning from June 2016.

Mandate:

- To encourage and strengthen an environment of research in non-communicable diseases (NCD).
- To bridge the gap in the infrastructure which is inhibiting health research
- To improve the overall health status by creating evidence-based application of diagnostic procedures/processes.

The GSMC-MRU is headed by Dr. Sangeeta Ravat, Dean (G&K). Dr. Sandhya Kamat, Professor & Head, Department of Pharmacology & Therapeutics is the Nodal officer. The scientific and technical work at MRU is managed by 2 research scientists, 2 lab technicians and 1 lab assistant cum data entry operator. The overall management of the unit is done as per the recommendations of the Local advisory Committee (LAC), the Research Advisory Committee (RAC) and the Purchase

committee (PC). The RAC has been formed as per ICMR requirement and has 7 external and 7 internal members from various specialties as recommended by ICMR.

List of Research Advisory Committee (RAC) Members

No.	Status	Designation	Speciality required as per ICMR	Names & Professional Qualifications
1.	External	Chairperson	Medical Person preferably a senior Professor level / Director level Person	Dr. Niteen Karnik Professor & HOD, Medicine, LTMGH & LTMMC, Mumbai
2.	External	Co-chairperson	Medical Person preferably a senior Professor level / Director level Person / Academicians of expertise in NCDs	Dr. Amar Pazare, Ex-Professor & HOD, Medicine, GSMC & KEMH, Mumbai
3.	Internal	Member Secretary	Nodal Officer, GSMC MRU	Dr. Sandhya K. Kamat, Professor & HOD, Pharmacology & Therapeutics, GSMC & KEMH
4.	External	Member	Nominee from DHR	Dr. Deepak Modi Scientist E, Dept. of Molecular & Cellular Biology, ICMR-NIIRCH, Mumbai
5.	External	Member	Principal/Dean of nearby Municipal Medical College and Professor / Head from concerned Municipal Medical College as Special invitees	Dr Shakuntala Prabhu, Medical Director & Professor, Dept of Pediatrics & Pediatric Cardiology, Bai Jerbai Wadia Hospital for Children, Mumbai
6.	External	Member	Clinical / Academicians of expertise in NCDs- Gynecology	Dr. Anushree Patil Scientist E Dept. of Clinical Research, ICMR-NIIRCH, Mumbai
7.	Internal	Member	Medical Person preferably a senior Professor level / Director level Person	Dr. Gita Nataraj, Emeritus Professor, Microbiology, GSMC & KEMH
8.	External	Member	Clinical / Academicians of expertise in NCDs- Mental Health	Dr. Sushama Sonavane, Professor & HOD, Psychiatry, TNMC & BYL Nair charitable Hospital, Mumbai
9.	Internal	Member	Clinical / Academicians of expertise in NCDs- Mental Health	Dr. Ajita Nayak, Professor & HOD, Psychiatry, GSMC & KEMH
10.	Internal	Member	Clinical / Academicians of expertise in NCDs- Endocrinology	Dr. Tushar Bandgar, Professor & HOD, Endocrinology, GSMC & KEMH
11.	Internal	Member	Clinical / Academicians of expertise in NCDs- Medicine	Dr. Milind Nadkar, Professor & HOD, Medicine, GSMC & KEMH
12.	Internal	Member	Clinical / Academicians of expertise in NCDs- Biochemistry	Dr. Anita Chalak, Professor & HOD, Biochemistry, GSMC & KEMH
13.	Internal	Member	Clinical / Academicians of expertise in NCDs- Community Medicine	Dr Vijaykumar Singh, Professor & HOD, Community Medicine, GSMC & KEMH
14.	External	Member	Director, Medical education, and Health and Family welfare in MCGM/nominee	Dr. Neelam Kadam, Assistant Health Officer, Department of Public Health, F-South ward, BMC, Mumbai

The RAC plays a key role in, recommending project proposals for funding and/or using infrastructure facility of the unit. It offers recommendations for selection of equipment in order to promote and encourage quality multidisciplinary medical research in the Institution.

Infrastructure:

GSMC-MRU has four major labs, namely Molecular Biology lab, Biochemistry lab., Immunology Lab and Chromatography

Lab and has state-of-art equipment installed. It has a total of 18 major equipment and 20 minor equipment. The major equipment are listed below:

No	Lab	Major Equipment	Investigations
1	Molecular Biology	Thermal Cycler	Performing PCR and other similar applications
		Real Time PCR System	Performing real time PCR
		Electrophoresis (AGE/PAGE)	Separation of proteins & nucleic acids
		Gel Documentation System	For visualisation of AGE/PAGE gels
		Spectrophotometer-Nanodrop with Lvis plate and microplate facility	Hormone/ biomarkers assays, nucleic acid detection etc
		Biosafety Cabinet	For safety while handling infectious/contaminated samples
		Ultracentrifuge	High speed centrifugation for separation macro/micro particles, organelles etc
		Non- Refrigerated Centrifuge	For separation of cells, suspensions, precipitates etc
		Refrigerated Centrifuge	
2	Biochemistry Lab	Automated Biochemistry analyser	Biochemistry profile from Serum, urine etc
		Biomedical Freezer (-30°C)	Storage of samples
		Ultra-Low Temp Freezer (-80°C)	
		Millipore Water Purification System	Generation of Type I and Type II water
3	Immunology Lab	ELISA Reader & Washer	Biomarker, hormone, cytokine assay etc
		Luminometer	
		Homogeniser-Bead Beater	Homogenisation of tissue samples for further use in various assays
4	Chromatography Lab	GC-MS lab	Analysis of volatile and semi volatile compounds (e.g. in metabolomics)
		HPLC lab	Metabolomics study, Therapeutic drug Monitoring etc

Achievements:

1. Total No. of Research projects funded by MRU : 16
2. Ongoing Projects : 13
3. Completed Projects : 04
4. Publications : 03
5. Presentations : 10
6. Awards : 03

GSMC MRU also allows the faculty and the postgraduate students of institution to use its infrastructural facilities for the research projects which have institutional ethic committee approval and about 31 research projects have been completed so far and 13 are ongoing.

Future Plans /Vision: Motivate and encourage more disciplines of the institution to undertake research

Promote inter-institutional collaborative research

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 Office Bearers and Members for the year 2022-24

President:	Dean Dr. Sangeeta Ravat
Vice President:	Dr. Harish Pathak
Hon. Secretary:	Dr. Nitin Dange
Hon. Jt. Sec.:	Dr. Mahadeo Garale
Treasurer:	Dr. Charan Lanjewar
Editor JPGM:	Dr. Sunil Karande

Executive Committee Members

Dr. Roshan Wade, Dr. Pradeep Vaideeswar, Dr. Sanjeeta Umbarkar, Dr. Samir Rege, Dr. Abhijeet Dhende, Dr. Samadhan Mitkari, Dr. Pallavi Surase, Dr. Sharmila Jalgaonkar, Dr. Hemangi Chaudhari, Dr. Amit Bhondve, Dr. Archana Sonawale, Dr. Tushar Bandgar, Dr. Mayur Thakkar, Dr. Hemant Dahake, Dr. Archana Gore

Monthly Research /Clinical Meetings: 3

- Friday 25th March 2022 at 1.30 pm in Theatre no.3 : Research/Clinical presentation by the department of Neurology & Medicine
- Thursday 28th April 2022 at 2.30 pm in Theatre no.3: Research/Clinical presentation by the department of Urology
- Thursday 7th July 2022 at 2.00 pm in MLT: Research/Clinical presentation by the department of Forensic Medicine & General Surgery

Executive Committee Meetings: 6

(14.1.22, 24.1.22, 26.2.22, 28.4.22, 1.7.22, 23.7.22, 29.11.22 & 16.12.22)

JPGM Election

Election for the post of Assistant Editor of Journal of Postgraduate Medicine (JPGM) of Staff Society was held on Friday **8th April 2022** in “**Nostalgia room,**” from 10.00am to 4.00pm. The entire election process was under supervision of two election officers (Dr. Harish Pathak & Dr. Amit Bhondve) appointed by the President, staff Society

Total staff members who casted the votes were 136 out of 294. Dr. Charan Lanjewar Elect as Assistant Editor of Journal of Postgraduate Medicine

AGBM :29.1.22 with Felicitation of retiring faculty on their superannuation from MCGM service 31.1.2022

Dr. Pritha Bhuiyan, Prof& Head–Anatomy, Dr. Indrani Chincholi, Prof& Head - Anaesthesiology, Dr. CT Deshmukh, Prof& Head - Paediatrics, Dr. SV Vaidya – Prof. Orthopaedics & Dr. Uma Shinde – Addl. Prof. Biochemistry

Felicitation of retiring faculty on their superannuation from MCGM service 26.2.2022

Dr Ramesh Bharmal, Director (ME&MH), Dr Mukesh Agrawal, Prof. Paediatrics & Dr Mohan Karmarkar, Prof. Microbiology

KEM website & Social media (Instagram, YouTube and LinkedIn accounts): Lowest quotation of “Chowgule Mediconsult” was sanctioned in the Staff Society ECM dt.23.7.2022. It was decided that the payment will be shared equally Rs.86140/- i.e 20% by each society viz. Staff Society, Research Society, DDF, GAA & DJST.

(Web design and 1year maintenance of Rs. 90000/- & Social Media management Rs. 275000/-.

(Rs. 365000/- + Rs. 65700/-(18% GST). Total amount of Rs. 430700/- . 20% = R 86140/-

AGBM :30.8.22 with Felicitation of retiring faculty on their superannuation from MCGM service

Dr. Sheela Kerkar, Prof. & Head -Ophthalmology, Dr. Gita Nataraj, Prof. & Head –Microbiology and Dr. Gajanan Velhal, Prof. & Head - Community Medicine

Oration 29.11.2022

Dr. S R Kamat Oration delivered by Dr. Ravindra Sarnaik on “ Role of Interventional Pulmonology Practices in TB Diagnosis”

Telemedicine

The Maharashtra Telemedicine Project was initiated as a collaborative project of Indian Space Research Organization (ISRO), Govt. of Maharashtra (GoM) and Brihanmumbai Municipal Corporation. The project is one of the major initiatives under the National Health Mission (NHM). The KEM Hospital Telemedicine Centre 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 specialties and super-specialties) to patients and doctors from these peripheral centers.

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

Chairperson: Dr. Sangeeta Ravat (Dean, KEM Hospital)

Members:

1. Dr. Dnyaneshwar Kurle, Associate Professor, Pharmacology Department
2. Dr. Tushar Rathod, Associate Professor, Orthopedic Department
3. Dr. Milind Tullu, (Advisory) Additional Professor, Pediatrics Department.

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

In the period January 2022 - November 2022 a total of 8846 patients have derived benefit of expert advice from 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.

District wise consultations:

District	Total
Aheri	261
Ahmednagar	31
Ashti	256
Aundh	86
Bhamragad	216
Chamorshi	43
Chopada	76
Dhanora	268
Ettapalli	158
Gandhinglaj	381
Gangakhed	171
Gondia	286
Kurkheda	16
Islampur	164
Jalgaon	27
Kalvan	336
Kamathe	613
Karad	58
Korchi	135

District	Total
Mulchera	439
Nandurbar	96
Navapur	1019
Osmanabad	168
Ratnagiri	445
Satara	220
Sawantwadi	332
Sangamner	133
Shahapur	548
Shegaon	381
Sindhudurg	62
Sironcha	296
Thane	37
Tirora	256
Umarga	59
Vaijapur	172
Wadsa	77
Warora	524
Total	8846

Support Services

Support Services

Diet

K.E.M.H. Dietitians - Annual Report

Mrs. Safala Mahadik (CVTC Dietitian)

- 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, nursing staff etc.

Mrs. Neha Pansare (Diet Dept.)

Ms. Shruthi Shettigar (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

Ms. Bhakti Tulaskar (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

Ms. Deepa Nachankar (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

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. Clinical Key student
- v. Up-to-date
- vi. Thieme MedOne Education
- vii. BMJ-Case Report
- viii. Access Medicine
- ix. JAMA Evidence
 - i. '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.
 - ii. More than 10000 e-books and more than 3000 e-journals and Dissertation & Thesis (1637- current) are available. "Times of India" (1838-2010) are also available on "Proquest" medical database.
 - iii. Online access to 147 e-books and 146 e-journals available on "Ovid MD" medical database.
 - iv. Clinical Key Student is an interactive education platform that supports students and faculty by enhancing the learning experience with tools tailored to develop and assess the medical knowledge of aspiring professionals.
 - v. UPTODATE is a medical database having text information.
 - vi. More than 200 books are available in Thieme MedOne Education.
 - vii. BMJ-Case report – It is an online repository of Case reports.
 - viii. 131 E-Books are available in Access Medicine
 - ix. Arranged orientation program for first year undergraduate students on 16th Feb.2022 & 16th Dec.2022 .
 - x. Renovation of library building has completed

Holdings: Library journals' holdings are available on the KEM Website on Internet. 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. Received grant from Central Govt. Rs.15,00,000/- for Books and journals.
2. We have received the membership of National Medical Library's ERMED consortia. This has enabled to access 239 online journals.
3. Free Trial access was given to following e-resources.
 - a. Knimbus (MUHS-Nashik)– Jan 2022
 - b. BMJ Best Practice- Sept 2022

Looking Ahead:

Education:

1. 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(ERMED) – 10-5-22, 17-5-2022, 18-5-2022, 26-5-2-2022 & 208-2022
 - b. Clinical Key Student– 14-5-2022
2. It is proposed to provide 50 internet ports/switch boards and computers for internet access for students and faculty members.
3. Digitalization of old and new reading materials will facilitate the availability of library resources electronically.

Library Committee:

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

1. Dr.Sangeeta Ravat	The Dean
2. Dr. Gita Natraj	Prof.I/c,Library
3. Dr. Nithya Gogtay	Member
4. Dr. Praveen Iyer	Member
5. Dr. Kavita Joshi	Member
6. Dr.Pradeep Vaideeshwar	Member
7. Dr.Tushar Bandgar	Member
8. Dr. Swati Paranjape	Member
9. Raghav Paranjpe, Prashant Saraf (Students of Seth GS Medical College)	Member
10. Mrs. M. S. Khochikar	Secretary

The Library Committee meets periodically to take policy decisions.

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 sterilization & E.T.O. gas sterilization 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.
- Staff Working at Pharmacy Department
Supdt. of Pharmacy Mr.Prakash G. Mahale

Pharmacists

- o Laboratory Technicians
- o Laboratory Assistants
- o Laboratory Attendants
- **DISPENSARY-** 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

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

Pharmacy Dept.

- The Medical Stores is governed by Pharmacy Dept.
- **Four Pharmacists** are posted in Medical Stores.

Social Service

Counselling, donations & rehabilitation of patients- 28,356/-

Total Donation: - Rs.12,18,52,287 /-

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.

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.

- World No Tobacco Day, Nurses Day, De-addiction Day, World Mental Health Day, International Divyang Day,

International Women Day, Thalassmia Day Care Ward.

- In service training programmes were arranged different social issues for Community Development Officers and other staff such as marriage counselling, govt. policy on MPJAY, ayushman bharat yojana, women and child welfare, stress management for health care providers.
- Arranged for patient's diet and nutrition aid by providing them fruits, dry fruits breakfast and lunch, nutrition powers for paediatrics, lunch coupons for Thalassamia outdoor patients.
- In - service training for department CDO's by Smt. Vandana Shinde, Marriage Counsellor and family court at Bandra.
- Sneha organisation conducted Mental Health 'Package of Care' three CDO from the department participated.
- Alzimers disease for senior citizens of different groups from Lalbaug, Naigaon and Worli, etc. sensitization programmes were conducted.
- Guidance and field work orientation provided to post graduate students of different social work colleges.
- On 29.10.2022, Dr. Sadhana Bhatkhande, Head, Social Service Department was interviewed by "fortune entertainment on Child Psychosocial related topic "ऐक ना गं आई"
- Total patient specific donations collected by CDO's for patients surgeries and medications ₹12,18,52,287 /- (Twelve Crore, Eighteen lakh, Fifty – two Thousand and Two Hundred eighty – seven only)
- 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.
- Cochlear Implant Surgeries donation arranged by Community Development Officer.
- Distributed Fruit in Pediatric Department (Ward No. 1, 2 & 3) i.e. – apples and oranges.
- Donation of toys, - mind playing games, story books to Day Care Haematology Department.
- Donation of 250 Blankets for our KEM Hospital admitted patient.
- Donation of 4 rolling chairs, 4 office tables, 10 plastic chairs and 2 Big cupboards for Social Service Department.
- High Cost Antimaligancy Drugs for Cancer Patients.
- Donation of 1600 insulin vials for Endocrinology Department type 1 diabetic patient cost Rs. 1,60,000/-
- Donation of pin board with case to display write ups of KEM Hospital staff members.
- Donation of female diapers for bedridden ward patients.
- Donation of four sets of instruments used in Micro-ear surgery and two sets of Burrs in ENT Department.
- Donation of fifty packets of sanitary pads for cancer patients seeking treatment in KEM Hospital.
- Donation of Sarees for cancer patients seeking treatment in treatment in KEM Hospital.
- On 03.12.2022, International Divyang Day provided table, chair and cupboard to Shri Pramod Aaba Kirat who is handicapped individual on ground floor, multi-storied building.
- On the occasion of children's day, Social Service Department distributed the gifts through the NGO in Paediatric Department, KEM Hospital for admitted children. (i.e. hand towel, napkin and one child friendly toy)
- Identify and tap new donors for the benefit of patients and patient care.
- In-house training programme and lectures for CDO's and KEM hospital staff.
- Rehabilitation of the patients with the help of donors in KEM Hospital campus.

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KEM, SION HOSPITALS SET TO GET ROBOTS THIS YEAR

ROBOTIC SURGERY use began in late 1980s

KEM docs study how trees can cut air pollution on WEH

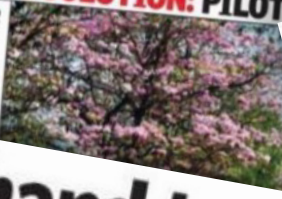
Malathy Iyer & Richa Pinto | TNN

Mumbai: With the city's air pollution levels breaching "safe" levels often this month, a scientific effort is on to find a "tree solution"—from kind of trees to right space between two trees on Western Express Highway.

SEEKING A TREE SOLUTION: PILOT STUDY

AIR TURNS SILENT KILLER

- Air pollution emerged as one of major killers in recent decades
- Around the world, nine out of 10 people breathe unhealthy air
- Globally, ambient air pollution causes premature



Alumni couple to help KEM start free IVF centre

CAMA TOO TO OFFER IVF SOON



(the doctor responsible for the feat, Subhash Mukhopadhyay, was given the due recognition a little over a decade back. He died by suicide in 1981)

➤ The world's first test-tube baby, Louise Brown, was born on July 25, 1978, in Oldham, northwest England

➤ In Mumbai, KEM will be the 1st BMC hospital to get an IVF department

➤ It will offer free treatment for patients who have problem conceiving

➤ State-run Cama Hospital near CST will also start offering free IVF soon

KEM's 1st hand transplant patient gets an arm & computer diploma

TIMES NEWS NETWORK

Mumbai: Thirteen months after he became the first patient to undergo a successful hand transplant in a public hospital in Maharashtra, 22-year-old Rahul Ahirwar will return to his "gaon" in Madhya Pradesh but mainly to gather funds for a left hand.

"I want to return to KEM Hospital, Parel, to get my second hand transplant," he told TOI after giving a "firm handshake" to dean Dr Sanjeeta Rawat on Tuesday.

Ahirwar, who lost both his arms in an accident in Aranya in 2019, could only receive a right hand



Rahul Ahirwar left for his home in MP after giving a handshake to dean Dr Sanjeeta Rawat on Tuesday. He was 12th pass when he came to KEM Hospital.

course close to the hospital and he completed it on Monday," said Dr Vinita Puri, plastic surgery department head who

हात प्रत्यारोपणानंतर भक्कम पाटिंब्याचे बंध

केईएममधील डॉक्टरांनी रुग्णासोबत साजरे केले रक्षाबंधन



हवी आहे मदत
जवळीक पाटिंब्याचे बंधन आहे. हात प्रत्यारोपणानंतर रुग्णाचे बंधन आहे. डॉक्टरांनी रुग्णासोबत साजरे केले रक्षाबंधन. डॉक्टरांनी रुग्णासोबत साजरे केले रक्षाबंधन. डॉक्टरांनी रुग्णासोबत साजरे केले रक्षाबंधन.

Ear implants, once meant for kids, now increasingly find adult takers

TIMES NEWS NETWORK

Mumbai: For almost a year, 38-year-old Sanjana (name changed) and her brother visited various hospitals in Pune and Mumbai to get a solution for her sudden hearing loss.

She had lost hearing in her left ear almost overnight, and the right ear too started

ALL ABOUT COCHLEAR IMPLANTS

➤ Hearing loss is the most common sensory deficit in humans today

➤ As per WHO estimates in India, there are about 63 million people who suffer from significant auditory impairment

➤ A cochlear implant is

Cath lab at KEM to now work 24x7, offer late-night stenting

planned in advance. But when offered to patients in myocardial infarction or heart attack, the special term of

type of heart attack called "ST-elevation myocardial infarction (STEMI)" that is more serious and carries a greater risk of serious complications and death.

10% of the heart attack patients who receive clot-busting medicines still die, while the corresponding figure with PAMI is 3%," he said. PAMI patients make quick recovery, have lower incidence of rehospitalisation and heart failure rates.

KEM hospital sets up skin bank, city's second civic-run hospital to start facility

RUPSA CHAKRABORTY
MUMBAI, JANUARY 2

THE KING

KEM docs get ₹8L hearing aid for free for child with malformed ear

TIMES NEWS NETWORK

1ST SUCH OP IN GOVT-RUN HOSP

chlear implants over a few years through doctors. The Ota implant earlier Baha (bone-anchored hearing aid) very meant for those with auditory nerve and external ear issue.

लोकसत्ता मुंबई

केईएममध्ये तरुणीवर बिनटाक्याची दुर्मीळ हृदयशस्त्रक्रिया

(पान १ वरून) हृदयशस्त्रक्रिया सर्वप्रथम २००० साली डॉ. फि