



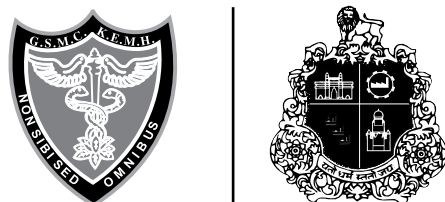
ANNUAL REPORT 2018

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

Municipal Corporation of Greater Mumbai

MEMORIES OF 2018





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

A N N U A L R E P O R T
2 0 1 8

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

WE ARE GRATEFUL TO

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Hemangi Worlikar

Deputy Mayor of Mumbai

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Chairperson, F/South Ward Committee



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 90 years, 10 lakh patients and 60,000 plus surgeries annually, these institutes are among the top ranked in the city and country with the Latin maxim “Non Sibi Sed Omnibus- not for self but for all”, embedded in every heart.

The year 2018 was marked by several achievements. New equipment and services were made possible through funds from the municipal corporation, government agencies and munificent donations of individuals and trustees. To name a few- the lecture theatre [no-3] of the Anatomy department was digitalized, the Community medicine department established a link anti-retroviral center at Malvani, the Dermatology department obtained a UVA chamber, day care for thalassemia patients was set up at Hematology department, a renovated endoscopy room was established at Gastroenterology department and the Nephrology department established several new speciality clinics. Five modular OTs were commissioned in various departments including Urology, Plastic Surgery, Gynecology and Pediatric Surgery and several services were upgraded in the Department of Pathology. A new Cath lab was inaugurated in department of Cardiology. Two high end ultrasound machines and four midrange ultrasound machines have been installed in department of Radiology. Intra-operative CT scan and a biplanar digital angiography suite was procured by Department of Neurosurgery exclusively for neuroangiography and procedures for brain and spine like acute stroke, aneurysm, dural AV fistula, tumor embolisation etc.

A glorious paradox of an educational institute is that while the alumni grow old, the Alma Mater grows, forever young. 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, however, 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. In the words of Bob Dole, “When it’s all over, it’s not who you were. It’s whether you made a difference”.

A handwritten signature in black ink, appearing to read 'Hemant Deshmukh', written over a horizontal line.

Hemant Deshmukh

Dean - Seth GS Medical College and KEM Hospital

January 2019

Editor's Note . . .



At the dawn of 2019, we are ready to embark upon another journey and look forward to yet another foundation day. 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 changes, minor and major that have taken place in the last 12 months.

The experience of putting this document together has been both humbling and enlightening. A huge thank you is due to Dr. Hemant Deshmukh, Dean for his faith in me, his patience, vision and tenacity of purpose. This has helped shape the document. Gratitude is also due to heads of departments and staff members for sending information in time. The editorial team [Lakshmi Rajgopal, Gita Nataraj, Shruti Bhide and Raakhi Tripathi,] that helped me put the report together deserves sincere thanks. My thanks are also due to my head of the department Dr. Urmila Thatte for her inputs throughout the making of the report. I owe a debt of gratitude to the students of my department- Renju, Debdipta, Mitesh, Unnati, Shruti and Jeffery for their untiring efforts at follow up and help with editing and formatting. Lastly, thanks are also due to Kalpesh and Lakshmesh at Urvi Compugraphics for layout, formatting, and inputs in the cover design and working long hours to ensure that the report is ready on time.

While the compilation has been done over a month with utmost care; 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 come through and we look ahead to 2019 with new hope and zest.

Nithya Gogtay

Editor – Annual report 2018

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

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

Vital Statistics

Sr. No.	Description	2018
1	Scheduled Beds	2193
2	Total No. of Admissions	84,251
3	Average Daily Admission	231
4	Total O.P.D. attendance [new]	6,93,557
5	Total OPD attendance [average of new patients]	2,304
6	Total OPD attendance [old]	13,83,589
7	Total OPD attendance [average of old patients]	4,597
8	Total OPD attendance (New & Old)	20,77,146
9	Average Daily OPD attendance (New & Old)	6,900
10	Total Surgeries	61,098
	Major	28,425
	Minor	32,673
	Scopies	9,946
11	Total Deaths	10,520
12	Death Rate	7.66 %
13	Total attendance in Casualty	2,08,620
14	Total No. of Medico-Legal cases	35,229
15	Total No. of In-patients days	6,19,630
16	Bed Occupancy [average daily occupancy]	1,697 (94%)
17	Average in-patients stay [days]	7.35
18	Total No. of Deliveries	6,506

Human Resources - Outline

Nursing staff

• Matron	001
• Sr. Assistant Professor	002
• Jr Assistant Matron	004
• Principal	001
• Sister	107
• Sister Tutor	028
• Ward assistant	022
• Theater Assistant	005
• Theater Superintendent	000
• House keeper	001
• Staff Nurses	851
• Student nurses	100 each in 1 st , 2 nd , 3 rd and 4 th year

Undergraduate Medical Students

• Ist MBBS	180
• IInd MBBS	185
• III year- first part	179
• Final year MBBS	194

Admissions

• MD/MS	212
• Diploma	028
• DM	025
• Mch	018
• M O Th	012
• M P Th	020
• MSc	012
• MSc – by research	003
• PhD	000
• PG DMLT	010
• B O Th	040
• B PTh	040

Filled posts - Clinical Departments

• Professor	054
• Associate Professor	070
• Assistant Professor	104

Filled posts – pre and para clinical departments

• Professor	021
• Associate Professor	054
• Assistant Professor	066

Junior residents

• 1 st year	253
• 2 nd year	223
• 3 rd year	160

Senior residents

• 1 st year	044
• 2 nd year	046
• 3 rd year	051

Other residents

• House officers	020
• Registrars	058
• Fellows	031

Achievements and Highlights

Achievements and Highlights

Anatomy

- Digitalization of the lecture theatre- Lecture theatre 3 has been converted into a e-class room / Digital Medical Lecture Theatre as a part of National Medical College Networking Project. This allows live streaming and web casting of lectures/ programmes to other medical colleges

Anesthesia

- CPR workshops conducted for nursing staff, IMA Kurla, DHS staff, DGHS and occupational therapy students
- Conducted workshops on Airway management, Research Methodology, USG Simulation Safety in Healthcare and COLS
- Dr. Venkatraghavan from Canada delivered a guest lecture on 18th January 2018
- Guest lecture on ANS monitor for pain by Lifecare Invitee
- Invited lecture on TEE and 2D echo with simulation workshop in March 2018
- Organised Rakesh Sinha communication skill workshop on 9th June 2018
- Annual CME on Challenges and Dangers In Anesthesia Practice on 24th June 2018
- Dr I.J.Dagli 5th Memorial Annual AOA CME ON 29th July 2018
- Conducted ICACON from 28th to 30th September 2018
- Airway, ventilation, regional anesthesia & 2D ECHO & TEE workshop on 28th October 2018

Biochemistry and Clinical Nutrition

Dr. Sucheta P. Dandekar

- Chairperson of 14 GCLP certificate course
- On panel of Madhya Pradesh and Gujarat University Boards
- Served as faculty at PSG- FAIMER Regional Institute, 18 to 19th June, 2018
- Co-authored a book with Prof. Abbas Mahdi titled "Medical Biochemistry: Preparatory Manual for Undergraduates", Published by Elsevier India

Dr. Anita B. Kale

- Appointed as Subject Expert in Biochemistry by Medical Education and Drugs Department, Govt. of Maharashtra for MPSC Recruitment Process on 11th and 12th April, 2018

Dr. Uma H. Shinde

- Organized National Quality Control Certificate course of NABL from 2nd Jan to 5th Jan 2018
- On Panel of Madhya Pradesh Public Service Commission as an Expert for Biochemistry

Dr. Yogesh R. Pawade

- NABL Technical Assessor for Clinical/ Medical Laboratories as per ISO 15189:2012 & NABL 112

Cardiac Anesthesia

- Use of High flow nasal oxygen therapy in postoperative cardiac surgical patient (Pediatric and adults)

Cardiology

- New Philips Cath Lab was inaugurated in the presence of the Municipal Commissioner of Mumbai, Mr. Ajoy Mehta on 20th October 2018
- Several complex interventions were performed in the cath lab, including transcatheter closure of ischemic VSR, neonatal AP window, RSOVs, neonatal BAV, BPV and coarctoplasty and PCI of chronic total occlusions, left main coronary lesions and complex bifurcations
- Dr. P G Kerkar served as the organizing secretary of the prestigious national conference of the Cardiological Society of India in Mumbai, November 2018

Chest Medicine and Environmental Pollution Research Center

Education

- CME on Sleep Disordered Breathing on 9th February 2018
- Preconference Sleep Workshop [NESCON – 2018] on 24th August 2018
- Dr.SR Kamat oration delivered by Dr. JC Suri

Health education & community outreach service

- Asthma education service to patients, patient's relatives and primary care givers. 1022 patients were educated

Patient care

- New basic Ultrasound machine has been installed in April 2018

CVTS

- Minimally Invasive Cardiac Surgery gained momentum and now includes surgeries of congenital heart disease, valve replacements, valve repair, single and multi-vessel coronary disease. 75 minimally invasive surgeries were performed
- Development of centre of excellence for interventional aortic aneurysm procedures in collaboration with Department of Radiology

Clinical Pharmacology

- Conducted Pharmacovigilance Advanced Training workshop on May 2018
- Workshop on Good Clinical Practices in collaboration with Abbott Healthcare Pvt. Ltd. on 4th September 2018
- CME on "Exploring future trends in Clinical Research" in collaboration with Indian Society of Clinical Research (ISCR) on 1st November 2018
- Conducted 4 workshops on Critical Appraisal of Evidence for Clinicians (CAVE Workshop) from 26th October to 27th December 2018

Community Medicine

The department was involved in conducting following research projects or courses:

- Costing of Health Services in Different States of India
- Normal weight obesity- Role of Apo-B & Insulin sensitivity in predicting future Cardiovascular risk
- Assessment of newer epidemiological determinants of Leptospirosis in Mumbai with respect to Rural-Urban differences
- Baseline health profile of Pathardi village, Jawahar
- Gap analysis of Urban Reproductive Maternal Neonatal Child health & Adolescents focusing on most vulnerable groups in Malegaon & Bhiwandi Municipal Corporations of Maharashtra
- Multi-centric study to assess the Exposure and health effects of pesticides on general population
- Technology, Training & Task shifting (3T) approach to enhance quality of services at an Urban Health centre, Malvani
- Department was involved in AIDS training programmes
- Department has established an Epidemiology and Public health initiative (EPHI) which conducts a course in an advanced epidemiology for a period of 1 year. It also conducts GCP and research methodology workshops

New Services

- Started Link ART Centre at Malvani Urban Health Centre from 3rd December 2018

Dermatology, Venereology and Leprosy

- Patient care: Newly installed combined UVA chamber and photo testing machine in the department benefitting patients with various dermatological disorders
- Research: Initiated research projects in collaboration with ICMR Immunohematology Department and Sardar Patel College of Engineering

Dentistry

- Dr. Prasad Bhang, Assistant Professor, has been elected as the Scientific Coordinator for IDENTITY 2018, IDA, Thane branch
- Ms.Vijaya and Ms.Vandana Patil from the SNEHA FOUNDATION (Society for Nutrition Education and Health

Action, an NGO for women and their safety), conducted a lecture sensitising the faculty and residents on domestic violence against women

- A seminar was taken by a representative from IMP company, a manufacturer of iron powder, who are working towards incorporating their product in oral and maxillofacial surgery by 3D printing models of jaw to be used as prosthesis

Endocrinology

- Dr. Nalini S. Shah (Professor & Head till 30.09.18) served as a resource faculty for
 - o Silver Jubilee year Hypertension Services, at KEM Hospital CME for Undergraduate Students on 11th February 2018
 - o The Mumbai Obstetric and Gynaecological Society conference held on 18th February 2018
 - o “Evidence Based Management of Cancers in India - EBM 2018” from 23rd February 2018 to 25th February 2018 at Mumbai
 - o 74th Annual Conference: Bombay Medical Congress from 31st March to 01st April 2018 at Mumbai
 - o Growth Disorders: Theory to Practice from 28th April 2018 to 29th April 2018 at New Delhi
 - o MCAPAS CON 2018 from 28th July 2018 to 29th July 2018 at Aurangabad
 - o The Rajasthan Endocrine and Diabetes update 2018 from 14th July 2018 to 15th July 2018 at Udaipur
 - o 3rd National Meeting of the Indian Society of Thyroid Surgeons held on 26th August 2018 at Mumbai
 - o 2nd Annual Diabetes, Thyroid & Endocrine conference 2018 (DTECON 2018) from 14th -16th September 2018 at Jaipur
- Presentations by Dr. Tushar Bandgar (Professor & Head from October 2018)
 - o Silver Jubilee year Hypertension Services, CME for Undergraduate Students at KEM Hospital on 11th February 2018
 - o The Mumbai Obstetric and Gynaecological Society conference held on 18th February 2018
 - o “Orientation course for the newly joined Ph.D. students at National Institute for Research in Reproductive Health (ICMR) 13th March 2018 at Mumbai
 - o 66th Annual Conference of Indian Association of Occupational Health (IAOH) 21st April 2018 to 22nd April 2018 at Mumbai
 - o Growth Disorders: Theory to Practice from 28th April 2018 to 29th April 2018 at New Delhi
 - o RSSDI, West Bengal Chapter and Endocrine Society 12th May 2018 to 13th May 2018 at Kolkata
 - o 3rd National Meeting of the Indian Society of Thyroid Surgeons held on 26th August 2018 in Mumbai
 - o Registry of People with Diabetes with young Age at the Onset Phase II on 27th August 2018 at Delhi
 - o 13th All India Association for advancing research in obesity from 07th September 2018 to 09th September 2018 in Aurangabad
 - o MOGS held on 21st October 2018 at Mumbai
 - o 48th Annual Conference of Endocrine Society of India, ESICON 2018 from 15th November 2018 to 18th November 2018 in Bhubaneswar
- Presentations by Dr. Anurag R.Lila (Associate Professor)
 - o The Mumbai Obstetric and Gynaecological Society conference held on 18th February 2018
 - o 3rd National Meeting of the Indian Society of Thyroid Surgeons held on 26th August 2018 in Mumbai
 - o 13th All India Association for advancing research in obesity from 07th September 2018 to 09th September 2018 in Aurangabad
 - o The Mumbai Obstetric and Gynecological Society held on 21st October 2018 at Mumbai
 - o 48th Annual Conference of Endocrine Society of India, ESICON 2018 from 15th November 2018 to 18th November 2018 in Bhubaneswar
 - o TOGS to the FESS conference on 09th December 2018 in Thane
- Presentations by Dr. Swati Jadhav (Assistant Professor)
 - o The Mumbai Obstetric and Gynaecological Society pre- conference workshop “Endocrinology in Obstetrics and Gynaecology” held on 18th February 2018
 - o Endocrinology-Urology Adrenal symposium held on 27th May 2018 at Mumbai
 - o Mumbai Obstetrics and Gynaecology society outreach CME, 7th July 2018 Mumbai
 - o Maha Endo Meet held on 5th August 2018, Nashik
 - o “Intricacies of Pediatric Endocrinology : A pragmatic approach” workshop at JMLT, KEM hospital, Mumbai on 12th August 2018

- o 3rd National Meeting of the Indian Society of Thyroid Surgeons held on 26th August 2018 in Mumbai
- o Osteoporosis CME held on 16th September 2018 at Nagpur
- o Mumbai Obstetrics and Gynaecology society CME held on 25th November 2018
- Dr. Virendra Patil (Assistant Professor) served as a resource faculty for
 - o Endocrinology-Urology Adrenal symposium held on 27th May 2018 at Mumbai
 - o Maha Endo Meet held on 5th August 2018, Nashik
 - o “Intricacies of Pediatric Endocrinology : A pragmatic approach” workshop at JMLT, KEM Hospital, Mumbai on 12th August 2018
 - o Mumbai Obstetrics and Gynaecology society CME on 25th November 2018

ENT

- Organized live workshop on Laryngo-tracheal surgeries on August 2018 as a faculty with Dr. Monnier from Switzerland at KEM hospital in association with prince Aly Khan Hospital
- Jointly Organized Temporal bone dissection Workshop in August 2018 in collaboration with Department of Anatomy.
- Jointly organized FESS Live and Cadaveric dissection workshop in September 2018
- Initiated Fellowship programme in the field of Otology and FESS
- Invited International Speaker Prof Joao from South America to deliver T-O Shah Oration

Forensic Medicine

- Organized a state level conference of Medico-legal Association of Maharashtra at Mumbai on 27th & 28th October 2018 at Dr.(prof.) Rustom Choksi Auditorium Complex, TMC, Mumbai
- Conducted a one day workshop on 27th October 2018 with the support of SNEHA and a CME on 28th October 2018 with collaborative support of ROTTO-SOTTO
- Continuation of “Forensic Odontology” work in the department
- Department has been the centre of reference for sensitive, complicated, medicolegal & sexual assault cases
- “One Stop Crises Centre & Centre of Excellence for the Survivors of Sexual assault at K. E. M. Hospital Mumbai”

Gastroenterology

- Dr. Shobna Bhatia was a faculty for AIG IBD SUMMIT on January 2018, 16th North East Gastro Meeting at Hyderabad on February 2018 and Annual Conference of ISG at Tamil Nadu on March 2018
- Dr. Shobna Bhatia served as a faculty for the Annual Indian Society of Gastroenterology Conference at Kochi on November 2018
- Dr. Deepak Kumar Gupta was a faculty AIG IBD SUMMIT on January 2018, GI VISION 2018 held on March 2018 and APASL conference at New Delhi on March 2018
- Conducted a CME for DM postgraduates by foreign faculty, Dr. Ronnie Fass

Hematology

- International Hemophilia Center and Comprehensive Hemophilia Care center with 1100 patients registered; 39 major surgeries done in these patients, 88 patients are on regular prophylaxis
- ITI started in 10 patients
- 14,000 patients were treated in day care annually
- Increase in OPD patients to 12,000 annually
- Three autologous bone marrow transplants done
- Around 80 acute leukemia patients were diagnosed and treated
- Nutrition supplement and RUTF nutrition supplements in leukemia patients
- Full time Social worker and counselor appointed from Cankids organization to help patients

Medicine

MICU patient care:

- Total 16 ventilators - to provide non-invasive & invasive mechanical ventilation to Acute lung injury / ARDS / Respiratory / Depression / Cardio respiratory failure patients
- Number of patients on ventilator approximately - 450

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

- Plasmapheresis: To patients with Guillain Barre Syndrome, Myasthenia Gravis, TTP, Polymyositis, both MICU patients & Medical ward patients with help of plasmapheresis pump 1- 2 per month
- Renal replacement therapy is given by CAVH, CVVHDF on CRRT machine available in MICU
- 2D echo done by portable, USG + Echo machine on MICU patients - 332
- Availability of therapeutic, diagnostic bronchoscope and fibre optic bronchoscope
- Percutaneous tracheostomy: total 5

New facilities provided:

- Interactive MICU daily rounds with faculty from Department of Microbiology which helps to analyse infection patterns, identify culprit organisms and their resistant pattern
- Interactive rounds with faculty from Department of Physiotherapy especially for proper Chest PT, Respiratory muscle, strengthening exercises
- 10 Multipara Monitors & 2 USG & 2D Echo Machine for Critically ill patients
- 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
- One ECG machine and 2 Defibrillators procured for patient care

New facilities added in Hypertension services

- Digital instruments for BP measurement in HT OPD
- Both limb simultaneous BP Measurement instrument
- Ambulatory BP Machines
- Awareness programme
- Yoga and relaxation therapy in collaboration with Occupational therapy, Psychiatry and Community Medicine departments

Education:

- Foreign students were posted for tropical disease training for periods ranging from 2-6 weeks
- Dr. Santosh Salagre was invited as Regional Institute faculty at FAIMER Philadelphia from 18th to 22nd March 2018. He actively participated in the project during the year and conducted a session on Poster Gallery walk for the FAIMER Institute Fellows
- Dr. Santosh Salagre was appointed as National Chair, Faculty Training of Indian Programme of UNESCO chair in Bioethics, Haifa

Research:

- ICMR collaboration projects; Clinical Trials, postgraduate dissertation research studies
- 2D ECHO in critical care: introduction and basic workshop conducted in MICU for MD residents

Microbiology

- Dr. Preeti Mehta, Professor and Head, took voluntary retirement as of 8th October 2018 after a dedicated span of 37 years in MCGM service of which 19 years were at KEMH. During these years, apart from routine developments, the department rolled out new test services such as VCTC/ICTC, BACTEC, VITEK, XPERT MTB / RIF assay and viral load assays, established a molecular diagnostic laboratory and TB culture laboratory and successfully completed three rounds of NABL accreditation

Patient Care:

- In 2018, the department successfully renewed NABL accreditation as per ISO 15189:2012 for all the tests carried out in its divisions of Bacteriology, Mycobacteriology, Mycology, Parasitology, Serology and Virology and Immunology valid for a period of two years
- The department successfully cleared EQAS for bacteriology, serology, virology and CD4 count administered by IAMM / NARI, and mycology administered by Mycology Ref Lab, PGI Chandigarh
- The department coordinated 3500 doses of Hepatitis B vaccination in an attempt to get all students and HCWs protected against Hep B. The process is ongoing

Neonatology

Patient care:

- Inhaled Nitric Oxide therapy to neonates with PPHN in NICU

Education:

- Increase in seats from 1 to 4 in DM Neonatology by MCI
- Dr. Ruchi Nanavati appointed as National expert (team member) for formulating Neonatal Standard Treatment Workflow guidelines of Ayushman Bharat Scheme
- Department of Neonatology recognized as the regional “Regional Collaborative Centre for Facility Based Newborn Care” under National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India
- Dr. Ruchi Nanavati appointed as National faculty & In charge Regional Collaborative Centre of Facility Based Newborn Care Program under National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India
- Dr. Ruchi Nanavati became Member of Task Force on Standard Treatment Guidelines, An initiative by National Health Systems Resource Centre, Ministry of Health & family Welfare, Government of India
- Dr. Ruchi Nanavati was selected as Member of Superspeciality Board of Studies of MUHS
- Dr. Ruchi Nanavati appointed as advisor to the Association of Neonatal Therapists
- Dr. Ruchi Nanavati appointed as advisor for Neonatology Refresher Course by Neonatology Chapter of IAP & Neonatology Forum Mumbai held in Mumbai, September 2018.
- Dr. Ruchi Nanavati served as faculty for Perinatal Conference organized by National Health Mission, UNICEF & Government of Rajasthan
- Organized 7 SNCU Observership training (14 days each) / Mentoring programs for pediatricians & nurses from Rajasthan & Chhattisgarh under National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India
- Organized 11th annual workshop on Neonatal Ventilation from 25th to 30th June 2018
- Organized 6th annual Nursing CME on 22th to 30th November 2018

Research:

- Participation in prospective, multicenter multinational cohort study entitled “NeoAMR Global Neonatal Sepsis Observational Study (NeoOBS) in hospitalised neonates” in collaboration with AIIMS, Delhi, ICMR & Drugs for Neglected Diseases Initiative (DNDi), Switzerland

Nephrology

- Establishment of New speciality clinics – Lupus Nephritis, CKD-Pre-dialysis clinic, Hemodialysis, CAPD and Glomerular clinic in department
- Department has done 16 Live donor Kidney transplant and 5 Deceased donor kidney transplant. Total number of kidney transplants crossed the figure of 700
- 19 live related and one deceased donor transplant with 100% graft and patient survival
- Emergency Bed-side hemodialysis facilities started due to portable Reverse osmosis unit became available

Neurology

- Comprehensive Epilepsy Care center in Collaboration with Neurosurgery since 2001, completed 585 surgeries till date

Neurosurgery

- Innovative techniques developed for treatment of complex craniovertebral anomalies including basilar invagination, Chiari malformations and atlantoaxial dislocations and for the treatment of degenerative spinal disorders.
- Plate and screw fixation of C1-C2 junction and distraction of the craniovertebral junction by spacer devised in the department.
- Extensive experience in the treatment of complex brain tumors that include trigeminal neuromas, foramen magnum meningiomas, sphenoid wing meningiomas and cerebellopontine angle tumors.
- Procured two Leica 3D state of art microscopes with high definition camera for neurosurgery operation theatre.
- Procured an intra-operative CT scan and a biplanar digital angiography suite.

Nuclear Medicine

- Dedicated PET/CT machine is being installed with 128 slice CT
- *Patient care* - many new PET/CT based investigations and gamma camera based investigation such as TRODAT scan started

Nursing

- Nursing Department & School of Nursing have conducted ten CNE for KEM Hospital nursing staff on management of diabetics (4 sessions), Bioethics (4 sessions) and Immunization (2 sessions)
- Mrs. Arya Deshmukh, Mrs. Vishakha Bhoer and Mrs. Chaya Pawar conducted a workshop on Basic Stoma Care & Enterostomal therapist updates in November 2018

Occupational Therapy

- Organized one day workshop titled "Documentation of Skilled Occupational Therapy Services - based on the International guidelines modified to Indian scenario" on 27th November 2018
- Organized MUHS approved two day workshop on Resident as Teacher in September 2018

Orthopedics

- The department has taken an active part in conducting various academic activities and workshops such as: BOS Basic Arthroplasty course (5th to 8th July 2018), BOS pelvic-acetabular course (13th to 15th July 2018), BOS Basic Trauma Course (19th to 22th July 2018), BOS Arthroscopy Course (26th to 29th July 2018), BOS Basic Spine Course (16th to 21nd August 2018), BOS advance spine course (12th to 14th October 2018), Post Graduate Foundation course (2nd to 4th November), Arthroscopy academy cadaveric Course, Plaster & splinting workshop for UG students

Pathology

Patient Care:

- Up gradation & Automation of the Emergency Medical Laboratory Services in Pathology, Surgical Pathology & Cytology, Cardiovascular Pathology, Hematology & Clinical Pathology, Neuropathology & Out Patient Department of laboratory for better services and timely delivery of reports
- Department of Pathology has regular meetings with clinical departments (Endocrinology, Gastroenterology, Nephrology, Cardiac Surgery, Chest Medicine etc.) for discussion on problem related and interesting cases, to further knowledge and better patient care
- Expansion of Immunohistochemistry for Tumor typing with addition of more antibodies
- Continuing participation in External Quality control program for hematology, histopathology with AIIMS, lipid and enzyme biochemistry with CMC Vellore and Randox Laboratories, UK, and cytopathology with Tata Memorial Hospital

Education:

- Automation of hematology using 5-part & 3-part differential blood cell counter
- "Hands-on-slide viewing session of peripheral blood smears and bone marrows for exam going PG students" 23rd March, 2018, Dr. Daksha P, Dr. Tejaswini, Dr. Pragati Sathe, Dr. Ratnaprabha Ghodke
- Participating in External Quality control program for hematology & cytology with AIIMS

Pediatric Anesthesia

Patient care:

- The Department received a generous donation from Tata trusts in 2016 for purchase of new equipment. These have enabled us to improve perioperative temperature management, perform USG guided line insertions and regional nerve blocks, management of difficult airways using Video laryngoscope and bronchoscopes, use of Vein viewer for difficult venous access and better perioperative ventilation using high anaesthesia workstations

Education:

- Conducted workshop on Pediatric Vascular Access on 7th July 2018
- A guest lecture on Chronic Pain in pediatrics by Dr. Genevieve D'souza from Stanford University, USA
- Hands on session on EZ-IO intraosseous access device on 20th November 2018 conducted by Dr. Chris Davlantes, from University of Kansas Hospital, Texas

- An interactive session on Regional Blocks in pediatric patients on 26th -27th December 2018 by Dr. Rishi Diwan, Alderheys Children's Hospital, Liverpool

Pediatrics

Patient Care:

- Pediatric ICU bed-strength increased from 9 beds to 15 beds from 8th December 2018 onwards

Education:

- Dr. Mukesh Agrawal: Chairperson for Conference on Mendelian Susceptibility in Mycobacterial diseases at ITC, Parel (November 2018)
- Dr. C.T.Deshmukh: Faculty, TAPICON & MAHAPDICRITICON conference September 2018, Thane
- Dr. C.T.Deshmukh: Faculty DAFPAL CME 2018, on 19th August 2018, LTMG Hospital Medical College, Mumbai
- Dr. Sunil Karande: Chairperson for session on "Cholestatic liver disease", at 5th Annual Conference of the Indian Society of Pediatric Gastroenterology, Hepatology and Nutrition and the 28th Annual Conference of the Pediatric Gastroenterology Chapter of IAP, held from the 27th October 2018 at Hotel Hyatt Regency, Mumbai
- Dr. Rajwanti K.Vaswani: Faculty for Interns' Orientation programme and delivered a guest lecture on "IMNCI" in August 2018.
- Dr. Rajwanti K.Vaswani: Delivered lecture (Video conference) on "Epilepsy in children" for CPS DCH students
- Dr. Rajwanti K.Vaswani: Framed Curriculum for "Fellowship in Pediatric Neurology & Epilepsy"
- Dr. Mamta Muranjan: Moderator for session on 'Back to Basics' at PediGen 2018 organized by IAP Pune and Deenanath Mangeshkar Hospital & Research Centre, Pune, 23rd February 2018
- Dr. Mamta Muranjan: Guest speaker, "Approach to neonatal hyperammonemia" at PediGen 2018 organized by IAP Pune and Deenanath Mangeshkar Hospital & Research Centre, Pune, 24th February 2018
- Dr. Mamta Muranjan: Guest speaker, "Challenging cases of Gaucher disease" at 3rd South Asia and 19th Asia LSD symposium, New Delhi, 20th-22nd April 2018
- Dr. Mamta Muranjan: Guest speaker, CME on Pompe disease – a neuromuscular disease, organized by Department of Neurology, Bombay Hospital and Medical Research Center, 9th August 2018
- Dr. Mamta Muranjan: Faculty, CME on Clinical nephrology: A journey from phenotype to genotype, Mumbai, 13th October 2018
- Dr. Mamta Muranjan: Faculty, panel discussion on "Splenomegaly" at Pre-conference workshop 'Case presentations in Pediatric liver disease', 5th annual conference of the Indian Society for Pediatric gastroenterology, hepatology and nutrition (ISPGHAN), Mumbai, 26 October 2018
- Dr. Mamta Muranjan: Panelist, 'Meet the expert' session on Genetics in ObGyn, organized by the Association of Fellow Gynecologists, Mumbai, 28th October 2018
- Dr. Milind Tullu: Faculty Member & Resource Person in the "Resident as Teacher - Basic Workshop in Educational Methodology" (MUHS Approved) for Postgraduate Students in Physiotherapy conducted by and at Physiotherapy School and Centre, Seth G.S. Medical College & KEM Hospital from 27th to 28th September 2018
- Dr. Milind Tullu: Faculty Member & Resource Person for the "10th Revised Basic Course Workshop in Medical Education Technology and Sensitization Programme on AET-COM Module" conducted at GSMC-KEMH-MCI Nodal Centre at Seth G.S. Medical College & KEM Hospital, Mumbai (9th to 12th October 2018)
- Dr. Milind Tullu: Faculty Member & Resource Person for the "9th Revised Basic Course Workshop in Medical Education Technology and Sensitization Programme on AET-COM Module" conducted at GSMC-KEMH-MCI Nodal Centre at Seth G.S. Medical College & KEM Hospital, Mumbai (28th to 31st August 2018)
- Dr. Milind Tullu: Faculty Member & Resource Person for "MUHS Approved Basic Workshop in Research Methodology" conducted by Department of Anesthesia, Seth G.S. Medical College & KEM Hospital, Mumbai (26th – 28th June 2018)
- Dr. Milind Tullu: Faculty Member & Resource Person for the "8th Revised Basic Course Workshop in Medical Education Technology and Sensitization Workshop on AT-COM Module" conducted at GSMC-KEMH-MCI Nodal Centre at Seth G.S. Medical College & KEM Hospital, Mumbai (20th to 23rd February 2018)
- Dr. Milind Tullu: Faculty Member at the GSMC-FAIMER Regional Institute-2018 conducted by and at Seth G.S. Medical College & KEM Hospital from 16th-25th April 2018
- Dr. Milind Tullu: Faculty Member & Resource Person for "Basic Research Methodology Workshop" conducted at & ESI- Post Graduate Institute PG Medical Sciences & Research (23rd-25th January 2018)

Pharmacology and Therapeutics

- The Department was recognized by ICMR as Advanced Centre for Capacity Building
- Faculty members and postgraduate students bagged 14 awards for paper presentations at different National/regional conferences held this year
- Workshops on GCP and Research Methodology and Biostatistics were conducted by the department for other organizations
- Team of three II MBBS students, August 2017 batch won the “Dr. A. S. Paranjpe Pharmacology Intercollegiate Quiz”, organized on 25th August 2018, at Seth GS Medical College & KEM Hospital, Mumbai
- Dr NN Rege was appointed as member of subcommittee of Drug Technical Advisory Board, FDA

Physiology

Education:

- 1st Year MBBS students had secured 1st position in the “Best & Taylor Inter-Collegiate Quiz” competition organized by TN Medical College, Mumbai
- 1st Year MBBS students participated in All India Physiology Quiz 2018, held on 30th April at Ahmedabad, Gujarat
- 1st Year MBBS students participated in International Medical Science Physiology Quiz 2018, held in Kuala Lumpur, Malaysia

Education & Research:

- 4th National conference on scientific awareness on zoonotic disease control organized by Department of Physiology at GSMC & KEM hospital on 2nd February 2018
- ORACON -2018 Dr. A.C. Durate Monteiro oration by Dr. K.K. Deepak Professor and Head of Department of Physiology, AIIMS, New Delhi on “The yogic breathing to improve Autonomic physiology at earth and in space” organized by Department of Physiology at GSMC & KEM hospital on 12th December 2018
- Guest lecture by Dr, Nandini Vallath on “What it means to be a patient...the disease experience” organized by Department of Physiology at GSMC & KEM hospital on 10th August 2018
- Guest lecture by Dr. Sanjay Nagral on “Doctor Patient relationship” on 14th August 2018

Physiotherapy

- Physiotherapy Department scored “A” grade on Impact assessment by MUHS, Nashik
- Mehta, B. Mhatre, J. Shetye, M.P Jiandani and S. Paranjpe were recognized as Faculty for MUHS, MET and Research Methodology
- Dr Jaimala Shetye Received FAIMER Fellowship in April 2018
- The department successfully conducted “Resident as Teacher- Basic workshop in educational methodology” for the first time with its own faculty along with collaboration of MET unit GSMC

Plastic Surgery

- Dr. Vinita Puri (Professor & Head) President Elect - National Academy of Burns, India
- Dr. Vinita Puri appointed as Secretary General –Asia Pacific Burn Association
- Dr. Vinita Puri appointed as Honorary India Medical Director – ReSurge International
- Dr. Vinita Puri appointed as Member, Medical Advisory Board, Impact India foundation (An international initiative against Avoidable disablement; Promoted by UNDP, NNICEF, WHO in association with the Government of India)

Patient care:

- Organized “Camp Karma” the 5th Burn survivor camp for children of our country from 14th to 16th December 2018
- Partnership with ‘ReSurge International’, to benefit post burn contracture patients – all treatment provided free – including surgery, consumables, pressure garments and splints
- Donation from the AAPI towards the acute Burns ward patients and up gradation of services
- Continuing Special Clinics for Patient care

Education:

- Dr. Vinita Puri (Professor & Head) served as a resource faculty for
 - o Medical & Surgical Camp Upleta on January 2018 at Gujarat
 - o NABICON 2018 held on January 2018 at Guwahati

- o ISRM-2018 on March 2018
- o CME on ISSH on April 2018 at Amritsar
- o APSICON 2018 on November 2018 at Lucknow
- o ISBI 2018 on November 2018 at New Delhi
- Dr. Kapil Agrawal (Professor Additional) served as a resource faculty for
 - o Aesthetics Xpress conference on April 2018 at New Delhi
 - o ISAPS 2018 USA on November 2018
 - o Rhinoplasty Workshop on November - December 2018 at New Delhi
- Dr Nilesh Shende served as a resource faculty for
 - o Leprosy comp on January 2018 at Surat
 - o Association of Plastic Surgeons of India course on perforator flap Kolkata on February 2018 at West Bengal
- Dr Raghav Shrotriya served as a resource faculty for
 - o APSICON 2018 on November 2018 at Lucknow

Psychiatry

- Organized National Specialty Section CME on Suicide Prevention on 2nd Dec 2018
- 45 community awareness programs on suicide prevention were conducted all over Mumbai and in Maharashtra, Rajasthan, Gujarat and Delhi

Radiology

- Facility of DR Fluoroscopy for Barium study has been set up
- Two high end Ultrasound machines and four midrange Ultrasound machines have been installed
- Department boasts of an excellent departmental library and exhaustive film and electronic teaching media library in India

Social Services

- M/s BPCL through CSR provided funds for one thousand MRI scans for deserving patients
- M/s All cargo through CSR funds are supporting patients suffering from CA breast for medicines

Surgery [General Surgery]

- The Disaster Management Plan for Seth GSMC and KEM Hospital was revised and released on the foundation day January 2018
- Live operative workshop on Common Anorectal surgeries was organized in March 2018
- General Surgery PG CME for MCGM Medical College students conducted in March 2018
- Live operative workshop on Inguinal Hernia Surgery (Open and Laparoscopic) was organized in August 2018
- Live operative workshop on Abdominal Wall Reconstruction Surgeries (Open and Laparoscopic) was organized in September 2018
- International College of Surgeons Indian Section West Zone Conference – “Multidisciplinary Solution to rare and not so rare Breast and Thyroid issues” conducted in October 2018
- Maharashtra State Chapter of ASI PG Quiz conducted in December 2018 (6th Year)

Surgical Gastroenterology

- Conducted CME on Operative Videos On ColoRectal Surgery on July 2018
- Conducted CME on Update on GI Malignancies on October 2018

Transfusion Medicine

- Dr. Jayashree Sharma has been appointed as Editor of Asian Journal & Transfusion Science (AJTS) since 1st January 2018
- Dr. Jayashree Sharma passed the NABH Assessor course and has been empanelled as Assessor for carrying out assessment of blood banks/ blood centres against NABH Accreditation standards in Blood Banks
- The Department has been awarded NABH Accreditation by NABH-National Accreditation Board for Hospitals and Health Care providers, Quality council of India, New Delhi from 22nd August 2012 to 21st August 2015, and then

renewed from 22nd August 2015 to 21st August 2018, and from 22nd August 2018 to 21st August 2021. It is the first Public Hospital in Maharashtra to get NABH Accreditation

Urology

- Modular OTs: Two modular OTs have become functional from April 2018. They are equipped with latest Maquet OT tables, overhead lights, temperature control and filters and latest anaesthesia machines. Antibacterial coated walls protect from surgical site infections
- Incontinence OPD: started a new OPD cum meet every Wednesday to plan management of patients with bothersome incontinence, usually women with stress and mixed urinary incontinence which does affect their quality of life
- Laparoscopy: 3D Laparoscopy to perform laparoscopic donor nephrectomies, ureterolithotomies, nephrectomies, pyeloplasties, VVF repairs, orchidopexies, radical prostatectomy etc.
 - o The department has started the advanced laparoscopic program along with advanced oncology & reconstructive surgical program. We are performing radical cystectomies in approximately 2 hours and the patient recovery has improved tremendously
 - o This is the only department in Maharashtra which has started and has been regularly performing laparoscopic donor nephrectomy in public sector hospital, which is considered to be the most difficult and complex urological laparoscopic operation
 - o Procured Laparoscopy endo-trainer device to train postgraduate students in basic Lap. procedures before they perform them on patients
- Penile Implants: For patients with erectile dysfunction with failure of conservative therapy, the department offers penile prosthesis at low cost
- Pediatric Stone Management: A record number of 50 pediatric PCNL/URS were performed
- Organised a camp for Stone and prostate related surgery
 - o In order to decrease the waiting list for stone and prostate surgeries, we conducted stone surgery and TURP camp lasting one week. Each day 10-12 surgeries were done including PCNL, URSL, and TURP
- Over 18214 patients were treated on the all urology OPD's during the year and over 2130 operations were performed including kidney transplantations

Awards and Honors

Awards and Honors

Anatomy

- University rank in MD Anatomy examination: Dr. Juned Labbai was ranked second in the MD Anatomy examinations conducted by MUHS in May 2018

Anesthesia

- Dr. Gauri Raman Gangakhedkar- First prize in Quiz competition in a National Conference ISNACC on January 2018
- Dr. Pallavi Gaur - Second prize in poster presentation at a National Conference ISNACC on January 2018
- Dr. Pallavi Gaur - First prize in paper presentation in the G.S. Ambardekar society competition on 27th July, 2018
- Dr. Trishita Saha - Second prize in paper presentation in the G.S. Ambardekar society competition 27th July, 2018
- Dr. Prajкта Kamble - First prize in paper presentation in a National Conference ICACON September 2018
- Dr. Trishita Saha - First prize in poster presentation in a National Conference ICACON September 2018
- Dept. of Anaesthesia with ISA, Mumbai was awarded Public Awareness prize at the national level

Biochemistry and Clinical Nutrition

- Dr. Sucheta Dandekar awarded MHPE from Keele University, UK
- Dr. Anita Kale awarded Ph.D. (HPE) Degree
- Dr. Trupti D. Ramteke: awarded President, NBE Gold Medal in the speciality of Biochemistry for DNB Final Examination [December 2017 Session]
- Ph.D. Awarded to the following students: Ms. Prajakta Paradkar, Ms. Nilanjana Niyogi, Mr. Shreewardhan Rajopadhye

Cardiac Anesthesia

- IACTA Fellowship 2018 (FIACTA) recipient
- Shashi Chandra Award (Best manuscript) in ISACON 2018 Agra

Cardiology

- Dr. Prafulla Kerkar—awarded the “Economic Times Excellence award” on Doctor’s day 2018 at New Delhi

CVTS

- Joshi Abhishek Shrinivas, M.Ch. resident, received “Late Prof. P.K. Sen Memorial Gold Medal”

Clinical Pharmacology

- Best paper award ‘*Dr. K. G Nair award*’ (poster presentations) for a study entitled ‘Analysis of drug lag for new molecular entities approval in India relative to approvals in US, EU and Japan.’ - [awarded to Dr. Mahanjit Konwar, First year DM resident] at the 11th Annual Conference of the South Asian Chapter of American College of Clinical Pharmacology (SAC-ACCP), 2018, Mumbai
- ‘*Dr. A.S. Nanivadekar award*’ as Second prize (clinical poster presentation) for a study entitled ‘Current scenario of standardised, quality and ethical oversight of Clinical research in the country - an audit of the CDSCO (registration of ECs) and NABH (accreditation) databases’ [awarded to Dr. Tushar Nishandar, Specialty Medical Officer] at the 11th Annual Conference of the South Asian Chapter of American College of Clinical Pharmacology (SAC-ACCP), 2018, Mumbai
- Dr. Nithya Gogtay, Professor (Additional) got first prize in 206th Scientific meeting of the Staff Society Seth G.S.M.C. & K.E.M.H. Mumbai paper presentation competition for the paper titled “Evaluation of an inexpensive pain killer vs Expensive pain killer in the management of dental pain after third molar extraction”

Community Medicine

- Alhad Mulkalwar & Amit Dashputra secured 2nd rank in IPHA quiz 2018 at AFMC, Pune on 7th April 2018

Dermatology, Venereology and Leprosy

- Dr. Vidya Kharkhar - The IADVL Scholarship for Mid Dermacon conference 2018 at Kanyakumari
- Dr. Harshada Mithari - Winner of the All India Emconnect Quiz Competition for PG students
- Dr. Naziya Mohammed - 1st prize in E-poster in ISPD National Conference 2018
- Dr. Anuja Sunkwad- 1st prize for poster presentation at Annual conference of Dermatopathology Society of India 2018. (Flagellate erythematous rash associated with Stills Disease & A rare case of Brooke Speigler Syndrome)

ENT

- Dr. Hetal Marfatia, Professor & HOD, received the prestigious National CIGI Award 2018 during the CIGICON 2018 for the work on “Cochlear Implant in Otitis Media: Surgical Challenges”
- Dr. Ashwathy K P won gold medal and topped university in ENT, MUHS 2018 MS Exams
- Dr. Hetal Marfatia, Professor & HOD, received the prestigious National CIGI Award 2018 during the CIGICON 2018 for the work on “Cochlear Implant in Otitis Media: Surgical Challenges”
- Dr. Ashwathy K P won gold medal and topped university in ENT, MUHS 2018 MS Exams

Gastroenterology

- Dr. Shobna Bhatia received NBE awards for Excellence in Medical Education in September 2018

Medicine

- Dr. Santosh Salagre was felicitated by Department of Medical Education on 10th September 2018 as a part of Silver Jubilee celebrations for the valuable and untiring contributions and efforts to the growth and development of Department of Medical Education
- Londhe Tanmay Ramesh, third MBBS (Part-II) student, received “Rajebahadur Heart Foundation Gold Medal” and “Dr.S.M.Patankar Gold Medal”
- Londhe Tanmay Ramesh, final MBBS topper, received Cash Prize of Rs.10, 000/- from Johnson & Johnson Ltd, Mumbai
- Marathe Kunal Kiran, third MBBS (Part-II) student got “Dr. Sudhakar Sane Gold Medal” and “Dr. G.J. Paranjpe Gold Medal” in General Medicine
- Bhagat Aditi Chandrahas, third MBBS (Part-II) student received “Late Dr. Ravindra & Saroj Kekan Gold Medal” and “Eknathrao Namdeorao Satdive Gold Medal”

Microbiology

- Dr. Avinandan Saha got 1st Prize, PG Quiz, TPC, LTMG
- Dr. Priyanka Singh got 1st Prize, PG Quiz, TPC, Tata Hospital, Mumbai

Neonatology

- Dr. Ruchi Nanavati was appointed as National Expert of Facility Based Newborn Care Project under National Reproductive and Child Health Program, Ministry of Health & Family Welfare, Government of India
- Dr. Ruchi Nanavati was appointed as Neonatal Resuscitation Program Regional Trainer for First Golden Minute project of Indian Academy of Pediatrics & National Neonatology Forum
- Dr. Ruchi Nanavati was appointed as Member of Task Force on Standard Treatment Guidelines, An initiative by National Health Systems Resource Centre, Ministry of Health & family Welfare, Government of India

Nephrology

- Dr. Divya Bajpai got first prize in paper presentation at the 206th Scientific meeting of the Staff Society Seth G.S.M.C. & K.E.M.H. Mumbai. March 2018 for presenting a paper titled “Renal Involvement in Lupus: clinical features, histological patterns, therapy options & their impact on outcomes”
- Dr. Ankita and Dr. Sunil won 2nd prize in ISN WZ, Lonawala in Post graduate Quiz in September 2018

Neurology

- Dr. Priyanka Walzade stood second in regional level at TYSA

Neurosurgery

- Dr. Atul Goel got Walter Dandy Medal for distinguished neurosurgical services, January 2018
- Dr. Atul Goel elected as President of Neurological Society of India, December 2018
- Dr. Atul Goel delivered Prof. R.M Varma Oration at Bangalore, March 2018
- Dr. Abhidha Shah was appointed as Education Committee Chair of the Asian Congress of Neurological Surgeons – Women in Neurosurgery section
- Dr. Survendra Rai got Fellowship in Endoscopic Endonasal Skull Base Surgery and in Lateral Skull Base Surgery

Nuclear Medicine

- Dr. Ashmi Manglunia was awarded gold medal in DNB Nuclear Medicine for year 2014

Nursing

- Sister in charge, Mrs.Vijaya J. Kantharia and Staff nurse, Mrs.Kshama N. Musale were felicitated in the year 2018 for getting “Special Achievement - Mayor Award”
- Dr. Pratima P. Naik was awarded PhD in Health system studies from TISS & Gold Medal in TUIR in 2018
- Medha Komurlekar was awarded for completion of TUIR
- Dr. Pratima P. Naik – received best paper presentation on Nutrition by British Journal Nursing, London 2018

Occupational Therapy

- Pradnya D Bhovad received the “*Kamla V. Nimbkar Award* for the Best Scientific Paper” for the paper titled “State of the Journal: A review of IJOT publications” at the 55th Annual National conference of All India Occupational Therapists Association, held in Nagpur in February 2018
- Alok Patil was selected for GSMC - FAIMER fellowship 2018-2019
- MUHS Student Awards: Undergraduate & Postgraduate Examinations (May-June 2018) First Rank Holders: Monisha Popali (First B.O.Th), Riya Shah (Second B.O.Th), Dejul dedhia (Third B.O.Th), Kajol Sanjay Poladia (Fourth B.O.Th), Monisa Ansari [M.O.Th. (Neurological Sciences)], Disha Sanghvi [M.O.Th. (Developmental Disabilities)] and Taslina Kadar [M.O.Th. (Musculoskeletal Sciences)]
- Kajol Sanjay Poladia – received best case study presentation award for the paper titled “Short term bed mobility training in myositis ossificans progressiva” in the Tata Memorial Hospital Conference -6th educational Programme in honor of Late Dr. Aruna.P.Toile
- First prize in Occupational Therapy Innovation Technology – ‘Finger continuous passive motion device’ and Second prize in Occupational Therapy poster presentation in ‘Learning Disability’ at the 55th Annual National Conference of AIOTA, OTICON, Nagpur in January 2018
- Poladia Kajol Sanjay got first rank in final year BOTh

Ophthalmology

- Dr. Priyarthi Pradhan – Second runner up of the Golden hands award by the Maharashtra Ophthalmological Society, 2018
- Dr. Samruddhi Dani – member of winning team at the Teachers of Tomorrow PG competition at Maharashtra Ophthalmological Society Conference, 2018
- Ophthalmology OT got best OT award on January 2018
- Sister In Charge of Ophthalmology OT got Mayor Award 2015

Orthopedics

- Dr. S. K. Srivastava was awarded the best published case report of the year in Indian journal of Orthopedics at Indian Orthopedics Association Conference in 2018, for the case report titled “Vanishing bone disease of chest wall and spine with kyphoscoliosis and neurological deficit: A case report and review of literature”
- Dr. Nirmal Patil was awarded Asia Pacific Spine Society Medtronic spine fellowship under Prof. Kuniyoshi Abumi of Japan

Pathology

- Dr. Pooja Keshan- 1st prize for Oral Presentation an autopsy study of Haematolymphoid Malignancy –at MAPCON 2018
- MAPCON slide seminar- 1st prize at AFMC, Pune, September 2018
- Dr. Meenakshi Chaturvedi - 1st prize for poster presentation “Acute Lymphoblastic Leukemia (T-cell type) with pregnancy – An Autopsy Case Report” at MAPCON at AFMC, Pune, September 2018
- Dr. Nikita Garg- 1st prize for poster presentation “Synchronous surprises at Autopsy- A case report” MAPCON 2018, AFMC, Pune
- Dr. Komal in CYTOCON- 1st prize for poster presentation “Decoy cells in urine cytology as a diagnostic clue of human polyoma virus infection – a report of 6 cases” at Goa 2018
- Dr. Minal Desale- 1st prize for poster presentation “Male pseudo hermaphroditism due to five alpha reductase 2 deficiency” CME AAPUD July 2018 at Kochi
- Dr. Santosh T- 1st prize for paper presentation –“Fibroadenoma versus Phyllods on FNAC – A vexing problem revisited” at Madhya Pradesh conference 2018

Pediatric Anesthesia

- Dr. Nandini Dave got 2nd prize in Staff Society Meeting on 20th March 2018 for the paper titled “Correlation between Bispectral Index, end tidal anesthetic gas concentration and difference in inspired- end tidal oxygen concentration as measures of anesthetic depth in pediatric patients posted for short surgery”
- Dr. Priyanka Karnik got “Best Resident Award” on Foundation Day 2018 at Seth GSMC
- Dr. Raylene Dias got Special Recognition Award at ISACON-MAHA 2018 conference at Shirdi

Pediatric Surgery

- Dr. Kedar Mudkhedkar - first prize for paper presentation -Shehata traction orchidopexy - IAPSCON-2018 Chandigarh
- Dr. Soundharya S – ‘Dr. R.A. Irani award’ for best paper – “3-D Laparoscopic upper pole partial splenectomy of recurrent non-parasitic splenic cyst (NPSC) in a pediatric patient” – PESICON 2018
- Dr. Rujuta - second prize for the paper titled “Laparoscopic bilateral cortical sparing adrenalectomy”, PESICON 2018
- Dr. Soundharya S - second prize (urology) – Shehata traction orchidopexy, PESICON 2018

Pediatrics

International

- Dr. Milind Tullu: Awarded the Publons Peer Reviewer Awards 2018 for placing in the top 1% of Reviewers in Clinical Medicine on Publons Global Reviewer Database, determined by the number of peer review reports performed during the 2017-18 Award year
- Dr. Milind Tullu: 2018 Albert Nelson Marquis Lifetime Achievement Award (Marquis Who's Who, USA)
- Dr. Milind Tullu: Citations Awarded/ Nominated (Biographical Note) --“Marquis Who's who in the World” 2018 (Marquis Who's Who, USA)

National

- Dr. Meenu Grewal (PG Student) was declared as Winner in Grand Finale of Pediatrics- Torrent Young Scholar Award (February 2018)
- Dr. Ankita Kulkarni (PG Student) was declared as First Runner Up in Grand Finale of Pediatrics- Torrent Young Scholar Award (February 2018)
- Dr. Ankita Kulkarni (PG Student) was declared as Best Orator in Grand Finale of Pediatrics- Torrent Young Scholar Award (February 2018)

State

- Dr. Anjali Raghunath (PG Student) won the Zonal Round (West Zone) for Torrent Young Scholar Award 2019 (December 2018) and qualified for Grand Finale
- Oral Paper awarded First Prize/ Winner at EMBICON 2018: Shah S, Tullu MS, Deshmukh CT. Pediatric Systemic Inflammatory Response Syndrome (SIRS): Progression & Outcome. EMBICON 2018 (20th Annual Conference of IAP Mumbai Branch) at Leela Hotel, Mumbai (2nd September 2018)
- Oral Paper awarded Second Prize at EMBICON 2018: Mondkar S, Deshmukh CT, Tullu MS, Srinivasa Rangan R,

Agrawal M. Tetanus at a Tertiary Care Centre in Mumbai: The Reality. EMBICON 2018 (20th Annual Conference of IAP Mumbai Branch) at Leela Hotel, Mumbai (2nd September 2018)

- Poster presentation awarded 4th prize at EMBICON 2018: Shah S, Morwal A, Adiga D, Deshmukh CT, Vaswani RK, David J. Laryngeal Cleft - A Rare Case of Recurrent Pneumonia
- Nandan KV and Angela Maria Pallickal (2nd Year Pediatric Resident Medical Officers) won the Collegiate and Divisional round of the NNF Neonatology Quiz 2018 and represented the State for the West Zone NNF Quiz Round (and were declared the first runner-up in this zonal round)
- Shah Shalin Sunil, third MBBS (Part-II) student got “Dr. Subhash Kashyape Gold Medal” and “Late Dr. D.B. Shirole Gold Medal for Pediatrics

College

- Dr. Milind Tullu: Certificate of Appreciation presented (for recognition of valuable and untiring contributions and efforts to the growth and development of Department of Medical Education) by the institute

Pharmacology and Therapeutics

- ‘*B Unvas prize*’ for the best published paper to Gajbhiye SV, Tripathi RK, Salve BA, Petare AU, Potey AV for ‘Evaluation of effect of minocycline on rewarding potential and alcohol relapse in place preference model in mice.’ Neuroscience Letters. 2017; 649: 28–33
- ‘*Dr. G.B. Parulkar prize*’ to Khatri NP, Tripathi RK, Petare AU, Vaidya PH for 1st prize in Clinical poster session for the poster ‘Sample size and sampling considerations in published clinical research articles’ at 11th international Annual conference of SAC-ACCP 2018 on 1st May 2018 at Mumbai
- ‘*Dr. Arun Sanghani prize*’ to Satam SD, Shetty YC, Marathe PA, Raut SB, Mulkalwar AA, Raut AS, Rege NN for paper ‘Effect of *Celastrus paniculatus* in animal model of alcohol addiction’ presented at the 11th International Annual conference of SAC-ACCP 2018 held on 29th April-2nd May at Mumbai
- Third Prize awarded to Parmar UI, Jalgaonkar SV, Kamble AP, Gursahani MS for paper ‘Evaluation of the protective effect of *Paeonia emodi* Wall on rat model of Parkinson’s disease induced by 6 hydroxy Dopamine’ presented at the 11th International Annual conference of SAC-ACCP 2018 held on 29th April-2nd May at Mumbai
- ‘*OD Gulati prize*’ to Verma AA, Rege NN, Patel TC, Gajbhiye SV, Uchil DA for best paper ‘Antiplatelet effect of Lycopene in hyperlipidemic patients –an in vitro study’ presented at 50th Annual Conference of Indian Pharmacological Society held on 15-17th February 2018 at Mumbai
- Second prize awarded to Mulkalwar A, Satam SD, Marathe PA, Shetty YC, Raut SB, SG Pooja, Raut AS, Rege NN. Effects of *Withania somnifera* in Animal Models of Alcohol Addiction’ at Auxesis 2018, held on 4th August 2018 at Mumbai
- First prize awarded to Singh VK, Shetty YC, Salins N, Jain PN, Shah K, Natu A. ‘Evaluation of the prescription pattern of drugs and adherence of physicians to NeuPSIG guidelines in treatment of cancer related neuropathic pain’ at Confluence 2018 held on 30th July-4th August 2018 at Mumbai
- Second prize awarded to Manjesh PS, Damania KR, Patil TA, Shetty YC, Bansal V, Kale D. ‘Use of Tocolytics and Corticosteroids In Pre-Term Labour: A Prospective, Observational study’ at Confluence 2018 held on 30th July-4th August 2018 at Mumbai
- First prize awarded to Joshi SS, Shende A, Karkar S. ‘Evaluation of effects of *Caesalpinia crista* on letrozole induced models of polycystic ovarian syndrome (PCOS)’ at Poster Session at the 206th Scientific Meeting of Staff Society held on 8th October 2018 Mumbai
- Second prize awarded to Gajbhiye SV, Surve SV, Jalgaonkar SV, Lad MS for e-poster, ‘An observational study to assess completion report for compliance to research proposal to the institutional ethics committee approved protocol’ at 6th National Conference of Forum for Ethics Review Committees in India on 30th Nov – 1st Dec 2018 at Mangalore
- Second prize awarded to Mulkalwar A, Satam SD, Marathe PA, Shetty YC, Raut SB, SG Pooja, Raut AS, Rege NN for best paper ‘Effects of *Withania somnifera* in Animal Models of Alcohol Addiction’ at Apophenia, at Confluence 2018 held on 30th July – 4th August 2018 at Mumbai
- First prize awarded to Mapara TI, Jalgaonkar SV, Parmar UI, Patil ML, Adarkar S, Parkar S “Drugs use pattern for emergency psychiatry conditions in a tertiary care hospital: A prospective observational study” at Southern Regional conference of Indian Pharmacological Society 2018 held on 28th – 29th December 2018 at Hyderabad
- First prize awarded to Nachane AP, Kamath SK, Radakrishnan M, Nataraj G-“Evaluation of mechanism of action of

Aegle marmelos in a murine model of 3 dextran sulphate sodium (DSS) induce acute colitis” at Southern Regional conference of Indian Pharmacological Society 2018 held on 28th – 29th December 2018 at Hyderabad

Physiology

- Late Dr. Dharani's Scholarship was awarded to Ameya Machave standing 1st in Physiology in 1st M.B.B.S. examination conducted by university, amongst the students of G.S.M.C.
- Dr. Varun Gupta secured 2nd position in poster presentation in National Conference on Yoga in Kolhapur (ROYISM) in March 2018
- Dr. Kudrat Bhangu secured 3rd position in poster presentation in National Conference on Yoga in Kolhapur (ROYISM) in March 2018
- Dr. Maneesh Kumar Martanday secured 2nd position in poster presentation in Trinity International Conference held at LTMMC, Sion, Mumbai in February 2018
- Dr. Aritra Sanyal secured 2nd prize in the art exhibition organized by Association of Full Time Teachers (AFTT) held at Seth G.S.M.C. & K.E.M. Hospital, 2nd-5th April, 2018

Physiotherapy

- Dr. Jaimala Shetye received FAIMER fellowship in April 2018
- Param Sampat & Colleagues (II BPTh) got first prize for Bioethics intercollegiate Short film competition
- Neha Parikh, Nirati Lakhani, Riya Patadia got second prize for Bioethics AV competition
- Nidhi Ranka (IV BPTh) got first prize in Bioethics Poster competition
- Mansi Dhangar (IV BPTh) got third Prize: Bioethics Poster competition
- Sarah Tinwala (IV BPTh) got Best actor Award- Street Play Bioethics intercollegiate competition

Surgery [General Surgery]

- Dr. Abhay Dalvi delivered the *Dr. Dileep Kusurkar Oration* in Pune April 2018
- Dr. Abhay Dalvi delivered the *Dr N. Zaman Oration* of Assam State Chapter of ASI November 2018
- Dr. Abhay Dalvi was invited as video reviewer and judge for best presentation SAGES (Seattle), April 2018
- Dr. Abhay Dalvi was invited as National faculty in multiple conferences.
- Dr. Abhijna Soori won the 2nd prize in TYSA Regional refresher course in Ahmedabad and participated in TYSA final round in ASICON 2018
- Dr. Siddhant Vairagar won the second prize in singles and doubles event in ENERZAL Mumbai Doctors Badminton Championship
- Kavin Sugumar, MS General Surgery resident, got “Late Ramakant (Dadasaheb) Manohar Ekbote Gold Medal” and “Dr. Vasant Rao Pawar Gold Medal”

Surgical Gastroenterology

- Dr. Avinash Supe, Professor Emeritus, received prestigious *B. C. Roy award*
- Published 1st issue of Journal of ColoRectal Surgery with Dr. Chetan Kantharia as chief editor
- Dr. Vinaykumar Mahala, DNB 3rd year student, received fellowship of ACRSI
- Dr. Bhushan Bhole, Assistant Professor, received Fellowship award at ACRSI
- Dr. Rahul Raghavapuram was awarded first prize for Best Paper on Management of Corrosive Pharyngo-esophageal stricture at ASICON 2018
- Dr. Aravind Menon was awarded second prize on Benign Biliary Stricture –Outcome at ASICON 2018.
- Dr. Aravind Menon was awarded second prize for Best Video Presentation on Frey's Procedure at ASICON 2018
- Dr. Lakshay Singhla, DNB 1st year student, received 3rd prize in GI Radiology Quiz at HPB Workshop at CMC Vellore

Transfusion Medicine

- Mr. Prakash Sawant – C.D.O. received “*Jivandata Puraskar-2018*” on the occasion of 1st October, National Voluntary Blood Donation Day from Jeevandata Swayamsevi Sanstha
- KEM Blood Bank awarded trophy by Dr. Arvind Sathe memorial committee and Dapolikar Family on 1st December 2018 for participating in Mega Blood Donation Camp organized by Rashtriya Swayam Sevak Sangh, Dapoli

- KEM Blood Bank awarded trophy by Kokan Gyanpeeth College, Uran on 20th October 2018 for participating in Blood donation camp
- KEM Blood Bank awarded trophy by Jagruti Charitable Trust, Worli for participating in blood donation camp

Urology

- ROTTO SOTTO Mumbai/Maharashtra got the second prize for best performing state in India at national awards New Delhi November,2018
- Dr.Sheshang Kamath got best paper award- “Laparoscopic stone removal along entire length of ureter in a solitary kidney” at Urology society meet 2018
- Dr.Sheshang Kamath : got third prize- “Factors predisposing to AKI in patients with ureteric calculi” at zonal conference
- Dr.Sheshang Kamath : got Phadke travel fellowship in zonal conference

Community Care

Community Care

Anesthesia

- The department conducted a basic life support training course for paramedical personnel to handle emergency scenarios.
- Residents regularly attend blood donation camps.
- COLS workshops conducted on 23rd October 2018 ENT OT / ENT recovery /CT scan /ENT ward with 50 participants who were paramedics and relatives of patients.
- COLS (Compression Only Life Support) campaign with Indian Society of Anaesthesiologists, Mumbai - 12,200 lay people were taught basic life skills for cardiac arrest.

Cardiac Anesthesia

- Awareness regarding Compression Only Life Support (COLS) in general public

Chest Medicine and Environmental Pollution Research Center

- A community outreach-based approach by conducting respiratory morbidity health surveys in localities reporting health issues related to air pollution is undertaken.
- Sessions to educate patients (n= 1022) on asthma, its nature, symptoms, need for regular medications and compliance with treatment regimen were conducted. These sessions helped in dispelling misconceptions regarding the nature of illness and improved compliance rates and home management skills in affected individuals.

Community Medicine

- Mumbai Arogya Abhiyan: Residents & Interns are posted at various

Sunday camps

Months	No. of Camps	No. of Residents Posted	Total No. of Beneficiaries
June to Aug	30	90	3800

Services at Naigaon Health Centre:

- Under Five Clinic at Naigaon Maternity home on every Tuesday & Friday.
- 220 new and 227 old beneficiaries attended this clinic. Besides the children registered many are counselled and few are referred for further management to the municipal hospitals in their vicinity and to KEM hospital, Paediatric OPD as per the need. Mothers are also given advice for using family planning methods during the visit.

Report of Naigaon Under five Clinic, Naigaon Maternity Home

- Observation of World AIDS Day Health awareness program on "Universal Safety Precautions" for Community Health volunteers. 97 CHVs attended the program.
- World Health Day Program Health talk on theme "Universal Health Coverage: Everyone Everywhere" was organised. A small talk about immunization given. 30 beneficiaries and 10 CHVs attended the program. They filled up the questionnaire which was based on the W.H.O Day theme and Mahatma Phule Jan Arogya Yojana. This activity was undertaken to assess the awareness of general public about government health schemes. Educational material was distributed amongst the audience.
- No Tobacco Day program Lectures on "Tobacco or Health and" Quit Tobacco- We can help" taken for Mumbai police at Naigaon police headquarters. No tobacco pledge was taken by around 165 beneficiaries. On the occasion of World, No-Tobacco Day 2018, the Department of Community Medicine, Seth G S Medical College and KEM Hospital with the support from GOSUMEC Alumni Association, organised a health awareness programme for Mumbai Police Personnel on 15th June 2018. the theme was 'Tobacco and Heart disease'. The programme was aimed at creating awareness about the ill effects of tobacco and the services available for quitting tobacco as well as the benefits of tobacco cessation.
- World Breast Feeding Week 60 beneficiaries attended program. This was conducted with the support of GOSUMEC Alumni Association, organised an awareness Programme on Breastfeeding for all the mothers attending Under-5 Clinic with their children. The resident doctors of department of Community Medicine performed a street play based on the theme which is Breast feeding - The Foundation of Life. A quiz and street play were conducted along with health talk for ANC and PNC mothers.
- National Nutrition Week Cooking competition was conducted for mothers. Around 30 beneficiaries attended the

program. This was in collaboration with GOSUMEC Alumni Association. This was observed at under 5 clinic, Naigaon Maternity Home.

Activities at Geriatric OPD Naigaon Health Centre

- Blood Sugar Check Up Camp - 13 Beneficiaries
- Dengue Awareness Program - 40 Beneficiaries
- International Day for Older persons - 110 Beneficiaries at Naigaon Kamgar Kalyan Mandal
- Health Check Up Anganwadi Children - 35 Beneficiaries
- Blood Sugar Check Up Camp - 13 Beneficiaries

Dermatology, Venereology and Leprosy

- Participation in various camps within / outside city in association with other departments-25/year
- Community awareness regarding fungal infections.
- Social awareness regarding blistering disorders by conducting “PEMPHIGUS MEET” in the month of January every year.

Dentistry

- Conducted a dental camp for Children of Construction Site workers at Mumbai central and at Dharavi. This was an initiative by MUMBAI MOBILE CRECHES, an NGO that looks after the welfare of these children.
- Dental health check-up at Bhoiwada Municipal School, Naigaon.
- dental health check-up on 2nd September 2018 at Oshiwara, Andheri.
- A dental health check-up was conducted on 1st December 2018 for children of sex-workers for assessing the prevalence of dental caries, at MDACS Wadala.
- Special attention was given to dental problems of pregnant women.

Endocrinology

- Weekly visits to diabetes dispensaries at peripheral health centers attached to KEM hospital.

ENT

- Created awareness on early identification and intervention of deafness, noise pollution, benefits of cochlear Implants, side effects of using cellular phone through media.
- School camps organized by Education Department, Government of Maharashtra.
- Medical camp at Shivaji Park, Dadar.
- Lifeline express Camp at Patna.
- Several other local camps organized by MCGM throughout the year.
- Conducted street awareness about no honking on “No Honking Day”.

Forensic Medicine

- Project for Disaster Victim Identification for defense personnel with Indian Dental Association Resource Faculty at various medicolegal CME, GCP workshop, etc.
- Lectures given to NGOs on promotion of cadaveric organ donations.
- Forensic Medicine lecture on Crime Scene Investigation, evidence collection, examination of victim of sexual assault, etc.
- Forensic Odontology lectures conducted for UG & PG student at Nair Dental Hospital College.

Gastroenterology

- Community outreach health services undertaken by various departments: Plan to immunize all high-risk personnel against Hepatitis B

Hematology

- Cancer awareness programme.
- Hemophilia Care patient awareness camps.
- Education with fun activity for cancer patients by Karo trust.

- Nutritional and Hygiene awareness programme in leukemia and other blood disorder patients.
- Awareness on Role of exercise and occupational therapy in leukemia patients.
- Awareness on financial support in leukemia patients.

Medicine

- Dr Santosh Salagre delivered an awareness talk on lifestyle disorders organized by Maharashtra Police for police recruits and families on the occasion of Raising Day on 5th January 2018
- Dr Santosh Salagre organized Awareness Programme in Marathi for Patients, Caretakers and MCGM employees on 10th February 2018 on Hypertension and delivered a talk on basics of Hypertension.
- Dr Santosh Salagre gave a Mumbai Doordarshan interview in Marathi on Hypertension on 5th March 2018 in programme titled Aarogya Sampada.
- Dr Santosh Salagre gave a Mumbai Doordarshan interview in Marathi on Monsoon illnesses on 4th June 2018 in programme titled Aarogya Sampada.
- Dr Kaustubh Salagre Participated in Sunday camps organized in Monsoon season in community.
- Dr Kaustubh Salagre Participated Blood donation camps.
- Dr. Kaustubh Salagre was Guest speaker for “Waterborne Infections & Preventive measures” at Akashwani Mumbai.
- Dr. Nilakshi Sabnis took lecture on - Enteric Fever & Rabies in Arogya Bhavan for AMOs.
- Dr. Nilakshi Sabnis took Lecture on Monsoon Illnesses for AMOs.
- Dr. Nitin Sarate took lecture on – Tropical Infection in Arogya Bhavan for Medical Officers.
- Dr. Nitin Sarate took Lecture on Monsoon Illnesses for AMOs.
- Dr. Priya Bhate took Lecture on Meningitis, tetanus and leprosy in Arogya Bhavan for AMOs.

Microbiology

- The department provided Integrated Counseling and Testing services for direct walk-in clients.

Neonatology

- Weekly meetings with parents of babies admitted in NICU to educate them about Preterm and Low Birth Weight care. Approx 1200- 1500 parents are educated in 2018.

Nephrology

- Dr. Tukaram Jamale interviewed by DD Sahyadri channel on occasion of programme involving health education about common kidney diseases and on kidney transplant.

Neurology

- Epilepsy Purple Day on 26 Mar 2018.
- Epilepsy Awareness Program on World Epilepsy Day on 17 Nov 2018.
- Epilepsy camp at Thane Civil Hospital under NRHM Oct-2018.

Nursing

- Staff nurses trained in disaster management, participated in multiple disaster/ mass accidents in Mumbai. Male staff nurses are regularly posted for blood donation camp along with blood bank staff of K.E.M. Hospital and other religious activities as per requirements
- Staff nurses conducted M/R immunization programme in the OPD with PSM department.
- Conducting Swachata Abhiyan in all the ward/O.T./departments in co-ordination with CFHC - K.E.M. Hospital.
- All nursing staffs are covered for Hepatitis B vaccination with co-operation of microbiology dept.

Obstetrics and Gynecology

- Medical Camp organized at Dahisar and Sewri.
- Every month on 9th Prime minister camp for ANC patient check-ups.

Occupational Therapy

- Parent Teacher orientation program on “Common Problems in School going Children and Occupational Therapy Role” at Vile Parle Mahila Sangh School, Vile Parle, Mumbai.
- Interns and students of the Occupational Therapy college performed street play on the various locations of campus of “Seth GS Medical College & KEM Hospital” on 27th October, 2018 on **World Occupational Therapy Day**. The street play was for public awareness about importance of accessibility for the person with disability in India. It concluded with resources for getting additional information and help related to access.

Ophthalmology

- Camp at Farooq Girls High School, Jogeshwari - 358 students screened, 298 referred
- Camp Pioneer English High School, Kandivali - 248 students screened, 174 referred
- Camp at Kanya Vidya Mandir, Santacruz - 155 students screened, 103 referred.
- Camp at MHADA colony, Chembur - 100 to 150 patients screened
- Health camp at Sangole, Solapur
- Monsoon camp - 82 patients screened, 63 referred
- Health camp at Kandivali - 100 patients screened
- Medical camp at Shivaji Park, Dadar - 450 patients screened
- Street play performed by resident doctors during the eye donation fortnight to spread awareness and encourage community towards eye donation

Orthopedics

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

Pathology

- Participate in blood donation camps.
- Blood collection of HIV patients in the ART programme.

Pediatric Surgery

- Birth Defect Clinic– Counseling and early intervention of congenital anomalies - 570 families counselled since Jan 2018

Pediatrics

- Resident Medical Officers and Faculty members attend various OPDs in peripheral hospitals as a part of Peripheral Linkage Program.
- 4-6th December: Resident Medical Officers and Speciality Medical Officers attended the Health Camp at Dadar, Chityabhoomi.
- Monsoon camps attended by Resident Medical Officers -- 22
- Regular health camps attended by Resident Medical Officers -- 24

Pharmacology and Therapeutics

- 4th-6th December: Ayurveda Resident Medical Officers and Junior Scientific officer attended the Health Camp at Dadar, Chityabhoomi.

Physiology

- Residents participated in Fever OPD
- Conducted Basic Life Support Course for first year MBBS students as well as residents & faculty for handling the emergencies.

Physiotherapy

- “Promoting physical activity for mental health” an audio-visual awareness Program presentation in English and Marathi was held on World Physiotherapy Day.
- Education on Risk factors and Lifestyle modification for healthy heart” was carried out at CVTC for all patients and their relatives was carried out on World Heart day.

- Awareness of physiotherapy in various conditions to promote health on television in Arogayam Sampada through DD Sahayadri.
- Dr Bhavana Mhatre delivered a talk on “Lifestyle Diseases and Physical Fitness: Physiotherapeutic Perspective Arogayam Dhansampada, All India Radio.
- Geriatric homes were visited and interactions with elderly were carried out giving them guidance to improve overall function by BPTd students.
- Patient education program arranged by hypertension OPD services of KEMH.
- Talk on awareness of Physiotherapy in MCGM School primary divisions.
- Physiotherapy measures and Awareness and taking care of self in various health conditions through articles in Marathi in Annual Diwali Magazine “Apla Doctor”.

Plastic Surgery

- Partnership with Resurge International wherein every patient under its fold is provided complete free surgery and post-operative rehabilitative aids.
- Offered surgical and outpatient services to camp in Upleta, Gujarat and at the lifeline express.
- Camp Karma, burn survivor camp for pediatric Burn survivors for the mental health of Burn children.

Psychiatry

Malvani Community Outreach Centre

- A community psychiatric health Centre is run by the department at Malvani. Trained psychiatrists examine and treat patients hailing from this area. Psycho educational lectures are taken during community programmers about ‘AIDS & HIV’ on World AIDS day & about ‘Psychological health in Geriatric Population’ on World Geriatric Day. Individual & group counseling services are also provided where needed. Patients requiring detailed testing and evaluation are occasionally referred to psychiatry department of KEM Hospital when needed. Total Malvani Patients: New cases – 144 and Old cases – 1920.

Social Awareness Camps and Lectures

- 7 Drug Awareness programs were conducted in schools & colleges by the faculty and Seniors in collaboration with Anti-Narcotics Cell of Mumbai Police
- Awareness program on stress in Nurses in Nursing School.

Social Services

- Awareness programme with anti-drug abuse and HIV – AIDS with BMC employees at various places
- Prevention of suicide in different educational institutes.
- Awareness programme with Anti narcotic cell
- Awareness programme on domestic violence.

Surgery [General Surgery]

- Dr Aparna Deshpande was invited to speak to High Court employees on Breast Health Awareness in August and November 2018 organized by high court employees union.

Surgical Gastroenterology

- Dr Chetan Kantharia was one of the team members of The Outreach Program of International HPB Surgery team to Sri Lanka and Nepal to teach and initiate program at Distant places.
- Conduct OPD every alternate Wednesday at Govandi Shatabdi Hospital from 10.00am to 12.30 pm.
- 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.
- Dr. Chetan Kantharia, Professor, delivered a talk on DD Sahyadri ‘Hello Doctor’ on Inflammatory Bowel Diseases.

Transfusion Medicine

- Dept. of Transfusion Medicine has conducted a blood donation camp at blood bank, KEM Hospital on occasion of “National Voluntary Blood Donor Day” i.e. on 1st Oct 2017 with co-ordination with Jivandata Swayamsevi Sanstha, Kalachowki & collected 236 units of blood.

- Dr. Swarupa Bhagwat gave a talk about “blood donation” on Sahyadri channel on 14/06/18 on the occasion of World Blood Day.
- A single organization i.e. Tarun Mitra Mandal had organized 3 Blood donation camps in the year 2018. On 07.01.2018 - 555 blood units were collected. On 06.05.2018, 366 units and 30.09.2018 - 506 units of blood collected. Tarun Mitra Mandal contributed a total of 1427 blood units in the year 2018.
- Godrej & Boyce Mfg. Co. Ltd., & Godrej Industries also organized Blood Donation Camps on 8th, 9th & 10th August, 2018 at Godrej-Pragati Kendra, Vikhroli & we were collected 1939 units of blood were collected.

Donations and Grants

Donations and Grants

Anesthesia

- Shrimati Pramila Shantilal Shah charity foundation donated two multipara monitor Skanray(L &T)
- Rakesh sinha foundationm donated high end shifting trolley (TWO)

Biochemistry and Clinical Nutrition

- Donation of Rs. 40,000 each from Ortho-Clinical Diagnostics and Becton Dickinson Diagnostics each for conducting 14th Good Clinical Laboratory Practices Certificate Course.

Cardiology

- Name of donor :Savli trust, KEM hospital.
- Generous grant for ICCU and cath lab equipments.

Chest Medicine and Environmental Pollution Research Center

- PROJECT: National Environmental Health Profile: Mumbai, Duration :3 years, MOEF & climate change, GRANT: Central Govt. - Rs. 52 .67 lakhs.

Clinical Pharmacology

- Received a grant of Rs. 75,000/- from 'Research Society' for a project entitled 'Association of CYP3A5 Polymorphism with trough levels of Tacrolimus and graft outcomes in Indian renal transplant recipients.
- Received a grant of Rs. 75,000/- from 'Research Society' for a project entitled 'Evaluation of Genetic polymorphism of CYP3A5 in normal healthy participants of Western India- a cross sectional study
- Received a grant of Rs. 54,43,140/- from ICMR for Advanced Center for Clinical Pharmacology for evaluating pharmacokinetic –pharmacodynamic relationships of anti-infectives
- Received a grant of Rs. 2,00,000/- from Bharat Biotech for a project entitled "Phase-I open label dose-escalation clinical trial to evaluate the safety, tolerability and immunogenicity of Chikungunya vaccine in healthy adults of 18 to 50 years age"
- Received a grant of Rs. 1,80,000/- from Synergia Life Sciences Pvt. Ltd for a project entitled "An open label, single, oral dose bioavailability study of Vitamin K2-7 (capsules of 3000 An open label, single, oral dose bioavailability study of Vitamin K2-7 (capsules of 3000 µg) of Synergia Lifesciences Pvt.Ltd. in healthy adult, human subjects

Community Medicine

- Note books for chronic OPD patients and medicines.

Dentistry

- A few generous donors donated a total amount of Rs.80,000/- to the department, which was deposited in the DDF account of the hospital for the betterment of the department.

Endocrinology

Donations for Patient care

- Pentagon Charitable Foundation – Rs.8,33,000/-
- Majgoankar trust – Rs.3,00,000/-

ENT

- 48 Cochlear Implants
- 3D Endoscopy system

Gastroenterology

- Hydrogen and Methane Breath Test Machine and Multipara Patient Care Unit Machine

- The department received a donation from Rotary Club of Malabar Hill (Global Grant No.GG1868775) which also renovated the Endoscopy area on 11th floor

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
- Can kids
- Cuddles foundation
- Natco Trust- Day care renovation and staff salary
- Being human
- Sushila Modi
- Budrani trust

Microbiology

Sr. No	Name of donor	Amount (Rs.)	Activity	Type
1	MDACS	75000/-	ICTC-M, EQAS and ART activities	Patient care
2	GSMC & KEMH Research Society	75,000/- 75,000/-	Comparison of Gastric lavage and Stool specimens in the diagnosis of Paediatric Pulmonary Tuberculosis- A pilot study Pattern of antimicrobial resistance in H.pylori isolates in Mumbai Pattern of antimicrobial resistance in H.pylori isolates in Mumbai	Research
3	Department of Health Research	1,88,90,000/-	Establishing Biosafety level 2 VRDL medical college level laboratory for medical college along with equipment and manpower	
	MRU Research Society GSMC & KEMH	6.5 lakhs + 75000/-	Determination of disease specific epitopes to monitor disease activity in Rheumatoid factor (RF) / Rheumatic Heart Disease (RHD) in India.	

Neonatology

Patient Care & Strengthening Department:

Name of Donor	Amount donated /Equipment donated (Rs.)	Specific activity for which donated
UNICEF	2,64,000.00	SNCU software in NICU
Inner Wheel District 314	2 Transport Incubators 1 Pulse Oximeter	Transportation of neonates from OBOT to LR & from NICU Monitoring in NICU
Inner Wheel club of Mulund	Deep Freezer	Storage of Milk in Human Milk Bank
Inner Wheel Club of Bombay	40 KMC bags, 40 Nesting, 80 Frocks, 80 Caps and 80 Baby sheets per month	Developmentally supportive care of neonates

Nephrology

- ISN West Zone grant of Rs. 1,00,000/- for the study titled “Complement system and genetic abnormalities in a HUS”.

Neurology

Sr. No.	Name of the Donor	Amount Donated	Specific activity for which donated
1	Corporate Social Responsibility (Alkem Pharma)	14,00,000/-	EMG/NCS machine
2	New Equipments		New VEEG machine and Cortical stimulator purchased through BMC (cost Rs.30,00,000/-)

Nursing

- Dr Hansoti Donated 14 Computers, Printers, 2 -A/C, L.E.D T.V- 1 for nursing dept.

Obstetrics and Gynecology

- Dr. SV Parulekar donated 25 books worth 40000/- and 12 issues of Journal of Obstetrics and Gynecology of India to departmental library.

Ophthalmology

Sr. No.	Item	Donor	Date
1.	Keeler Vantage Plus Digital Video LED type Indirect Ophthalmoscope with camera	Mr Nerkar	July 2018
2.	Ultrasound A scan	Mr Ambrish Dani	April 2018
3.	Perkins tonometer and Goldmann 4 mirror lens	Mrs Uma N. Wadhwa	May 2018
4.	OT spotlight, multipurpose trolley	Lions Club of Bombay Queensway	March 2018
5.	Acer computer with printer	Mr Manish Dorwani	March 2018
6.	Optical biometer, Slit lamp, Vitrectomy machine, Pediatric clinic equipment	The Rotary Foundation	September, 2018
7.	Pediatric clinic equipment	Novartis Healthcare	October 2018

Pediatric Surgery

1. Rs. 1 Lakh	By Dr. Bhagwan Birmole
2. Rs. 1 Lakh	By Dr. Shuiab Farooqui
3. Masimo Pulse Oximeter	Dr. Milind Rasal
4. Child friendly renovation	Disney India Pvt.Ltd.
5. Rs. 35,000/-	Dr. Snehlata S. Deshmukh
6. Rs. 25,000/-	Dr. Mekhala & Mrs. Nandini A. Mathure

Pharmacology and Therapeutics

- ICMR grant of Rs.50,000/- for MD dissertation thesis entitled 'Evaluation of antidepressant and anxiolytic effect of minocycline in alcohol abstinence induced depression model in mice' for the MD student Dr. Arun Bhangare and guide Dr. Snehalata Gajbhiye.

Physiology

Name of the Donor	Amount donated	Work for which donated
Dr. J.B. Dharani	Rs. 4,400	Books for Departmental library.
DJST	Rs.1,05,000	For purchase of instruments
Naraindas Morbai Budhrani Trust	Rs.2,30,602	Digital Podium

Physiotherapy

Sr. No.	Name of Donor	Amount/equipment donated	Cost	Specific activity for donated
1.	Ms Hansa	Cycle Ergometer- (1)	Rs 30,000/-	Patient care
2.	Ms Sonali Punalekar	IMT devices- (10)	20,000	Patient care
3.	Lions Club of Mumbai	Portable suction machine (1)	Rs 5000/-	Education and Patient care
4.	Mrs. Chitra Thakur	Exercise Ball (2)	Rs. 6800/-	Patient care
5	Sanyog Trust	Ultrasound(1) Diagnostic Stimulators (3)	Rs 30,000/-	Patient care

Plastic Surgery

- Donation from the AAPI towards the acute Burns ward patients and up gradation of services

Psychiatry

Donation Arranged by MSWs for the year 2018: Rs. 3, 24,839/-

Donor Agencies –

- Lalbaugcha Raja
- Nana Palkar Smuriti Samittee
- Sushila Modi Charitable Trust, Fort
- St. Michel Church - Mahim
- Euro Foundation
- N.M. Wadia Charities
- G.T. Seth Trust

Social Services

- Total patient specific donations collected by COD's for patients surgeries and medications Rs 9,80,34,772/-
- 25 benches all over the campus provided for the patients and relatives standing in the waiting area of the hospital premises.
- Donation for wheel chairs, walkers, trolleys, waterbed, warmers, portable ECG Machine, Stools, Fans in the OPD's and wards.
- Distribution of fruits, dry fruits, mattresses, bed sheets, tiffin boxes, umbrellas, blankets, bags, clothes, toys, and entertainment articles etc for the patient.
- Distribution of lunch and breakfast to patient relatives.
- Distribution of lunch for thalassemia patients

Urology

- Alumni (Dept of Urology, KEMH) donated funds to renovate resident room and pantry.

Education

Education

Anatomy

A. Courses offered, intake for the current year and results:

The courses taught by the Department of Anatomy are listed in the table given below:

Sr. No.	Courses taught	Intake of Students (for 2018)	Results (% of pass for 2018)
1	I MBBS	180	95 % (36 distinctions)
2	MD Anatomy	01	100 %
3	I B.P.Th.	40	77 %
4	I B.O.Th.	40	85 %
5	Nursing	80	-
6	I B.P.M.T	35	-

B. Other courses taught by the Department of Anatomy:

Sr. No.	Courses taught	Institute	No. of students
1	Biomedical Engineering	DJ Sanghvi College of Engineering	20
2	Biomedical Engineering	Vidyalankar Institute of Technology	40
3	Nursing	Holy Spirit Institute of Nursing Education	30
4	Nursing	Gopikrishna Piramal Memorial Hospital	15

During the year the department conducted several collaborative programs with various clinical departments.

D. Library Holdings:

- Total No. of Books: - 915
- No. of New Books added in 2018: - 30
- No. of Journal titles: - 04
- Total No. of Journals: - 111

Anesthesia

- CPR – ACLS conducted on Tuesday & Friday for medical & paramedical personnel. 16 courses conducted for batches of 20 candidates each.
- 1 year fellowship course started with approval from MUHS – Cardiac Anaesthesia, Neuro Anaesthesia, Paediatric Anaesthesia, Regional Anaesthesia, Anesthesia for Gastroenterology services
- CME on “Challenges and dangers in Anesthesia practice” On Sunday 24th June 2018, Venue:- MLT, KEM Hospital, Mumbai. Dr. Indrani Hemantkumar, Professor & Head, Dept. of Anaesthesia.
Dr. Sanjeeta Umbarkar, Organizing Secretary & Additional Professor, Dept. of Anaesthesia.
- CME on “Time to Bring About A Change In Obstetric anesthesia” on 9-07-2018.
Venue:- MLT, KEM Hospital, Mumbai, R.D. Patel, Professor & Ag. Head, Dept. of Anaesthesia.
Dr. Deepa Kane, Organizing Secretary Professor, Dept. of Anaesthesia.
- National Conference on “Advanced Patient Care with Academic Excellence” (ICACON-2018) On Sunday 28th to 30th September 2018. Indian College of Anesthesiologists (ICA) in Collaboration with Dept. of Anaesthesia. Venue :- MLT, KEM Hospital, Mumbai. Dr. Indrani Hemantkumar, Professor & Head, Dept. of Anaesthesia. Dr. Manjula Sarkar, Organizing Secretary & Professor, Dept. of Cardiac Anaesthesia. CME on “Difficult Airway”, On 30th Nov. 1st and 2nd December, 2018. Venue :- TATA Hospital, Dr. Indrani Chincholi, Professor & Head, Dept. of Anaesthesia.
(As Faculty – Dr. Indrani Hemantkumar, Dr. R. D. Patel, Dr. Anita Shetty, Dr. Deepa Kane, Dr. Sweta S., Dr. Prerana Shah)
- Dr. R.D. Patel, Professor.
A. Faculty speakers in conference: Shridi Conference 2018
- Panel discussion
B. Faculty in DAS National Conference At TATA Hospital 30th, 1st, 2nd Nov. 2018, Workshop and Pannel discussion
- Faculty speakers in conference :
‘Panel discussion - “Liberal or Restrictive (Oxygen, Fluid, Blood, Vasopressors)”
In September 2018. Annual conference (ICACON- 2018) Dr. Shrikanta Oak

- Faculty speakers in conference :Dr. Sweta Salgaonkar
 - Faculty for: Essential Pain Management, November 2015 KDAH-Dr. Sweta Salgaonkar
 - Dr. Prerana Shah - Received GSMC FAIMER Regional Institute Fellowship in Medical Education in 2018
 - Lecture on handover communication in ICACON 2018 National Conference Dr. Yogita Patil
 - Lecture on troubleshooting in SGA devices in “Difficult Airway workshop” held at KEM in January 2018 - Dr. Yogita Patil
 - Lecture on troubleshooting in Fiberoptic bronchoscopy in “Difficult airway Workshop” held at KEM in January 2018 - Dr. Shrikanta Oak
 - Executive committee member of ISA Mumbai Metro branch- Dr.Yogita Patil
 - Treasurer for ICACON 2108 National Conference -Dr.Yogita Patil
 - Treasurer for Anesthesia Academic Society - Dr.Yogita Patil
 - Reviewer for journal “Research And Innovation In Anesthesia”
 - Lecture on ‘How to make good power point presentation?’ in ICACON 2018 National Conference -Dr. Sanjeevani Zadkar
 - Faculty for ‘Mechanical Ventilation” workshop ICACON 2018 National Conference-Dr. Sanjeevani Zadkar
 - Organizing–MUHS approved Basic Research Methodology workshop-26th 28th June 2018
Dr. Sanjeevani Zadkar, Dr. Priyanka Moon, Dr.Pallavi waghalkar:
 - Co ordinator of Difficult Airway Workshop for residents by Dept.Of Anaesthesia in January 2018
 - Lecture on Guidelines on Difficult Airway, Physiological Difficult Airway in Difficult Airway Workshop
 - Moderator Of Panel Discussion on Obstetrics Anaesthesia in ICACON 2018.Dr.Pallavi Waghalkar.
 - AHA Instructor of BLS/ACLS
 - Reviewer of Journal “Research And Innovation in Anaesthesiology”.
 - Lecture on Patient Safety in Invasive Procedure, Infection Control & Prevention, Improving Medication Safety in PATIENTY SAFETY WHO Programme for Anaesthesiology Residents in December 2018.
- Workshop:
- Speaker + Workstation for Supraglottic Airway Devices at TMC DAC 2018, Mumbai
 - Speaker + Workstation for Videolaryngoscopy Workshop at TMC DAC 2018, Mumbai
 - Lead Discussants for Interactive Video Session at TMC DAC 2018, Mumbai
- NST:
- 11th KEM Live Neurosurgery operative workshop and symposium by Dr. Atul Goel, on 4th and 5th May 2018.
 - Neurosurgical workshop with First live transcontinental demonstration of surgical techniques, by Dr. Atul Goel, as a part of World Course in Brain Tumor Surgery on 12th July 2018.
 - Lecture on maintaining hemodynamics in neuraxial blockade, ICACON 2018-Dr Shraddha Mathkar.

Biochemistry and Clinical Nutrition

Programmes organized by the Department

- Workshop on “Quality Management Systems & Internal Audit as per ISO 15189:2012 & NABL 112 Requirements” organized by Foundation for Quality (India) & NABL, New Delhi from 2nd Jan to 5th Jan 2018
- A guest Lecture – “Activation of neural precursor cells in the adult brain: Potential treating depression” on 9th April 2018 by Dr. Dhanisha Zaveri, Group leader, Master Foundation Senior Research Fellow, The University of Queensland, Brisbane, Australia
- 14th Certificate Course in Good Clinical Laboratory Practices, in two phases (28th Aug 2018 to 30th Aug 2018) partially sponsored by B.D. Vacutainers Ltd. and Ortho-diagnostics Co.
- Integrated Teaching programme (Horizontal & Vertical) in coordination with Departments of Physiology, Anatomy, Medicine, Surgical Gastroenterology and Nephrology) along with Department of Biochemistry for the following topics.
 1. Cell
 2. Liver function tests
 3. Acid base balance

Courses offered by the Department

Sr. No.	Courses Taught	Intake of Students for (2018)	Affiliated University
1.	MBBS - I Year	180	MUHS
2.	B.P.Th. - I Year	40	MUHS

Sr. No.	Courses Taught	Intake of Students for (2018)	Affiliated University
3.	B.O.Th. - I Year	41	MUHS
4.	B.P.M.T. - I Year (Cardiology Technician & Perfusion Technician)	10	MUHS
5.	PG-DMLT	10	MUHS
6.	M.Sc. Medical Biochemistry	0	MUHS
7.	Ph.D. Medical Biochemistry	2	MUHS
8.	M. Sc. Biochemistry by Papers	12	Mumbai University
9.	M. Sc. Biochemistry by Research	1	Mumbai University
10.	Ph.D. Medical Biochemistry	0	Mumbai University

Cardiac Anesthesia

- Courses offered, intake for the current year and results
- DM (Cardiac Anesthesia)- 02 students every year Passing rate 100%
- New courses added and intake
- Fellowship in Cardiovascular Anesthesia – 01 student

Library

- Holdings-
Kaplan's Cardiac Anesthesia
Principles of CP Bypass (Gravly)
Atlas of Transesophageal echocardiography
Textbook of Echocardiography
Pediatric cardiac anesthesia
Principles and practice of Cardiac Anesthesia
- Journals-
Annals of Cardiac Anesthesia
Journal of Cardiovascular and Thoracic Anesthesia

Cardiology

National:

- Five Observers underwent training in department of Cardiology this year.

Courses offered and intake for the current year.

- D.M. Cardiology : At present five residents have joined for the cardiology course.
- M.D. (Medicine/Allied)- Residents from department of medicine are posted for a period of 1 month in Cardiology on rotation basis.
- BPMT – Intake of 5 Students per year.
- IIIyrBPTh and BOTh students & MPTh students for clinics, learning patient care and rehabilitation.
- Nursing students from various institutions are allowed observership as per administrative directives.

Chest Medicine and Environmental Pollution Research Center

Guest lecture

- Sensitization of MLAs TB testing & diagnosis.
- Dr Amita Athavale delivered guest lecture on “New treatment protocols in TB, MDRTB & Bedaquiline” on 28.03.18 at Association of Medical consultants, Mumbai District TB control society.
- Dr Amita Athavale delivered guest lecture on “Broncho Alveolar Lavage” at Basic bronchoscopy workshop, K.J. Somaiya Medical College.
- Dr Amita Athavale was selected for Clinical & molecular genetics course, NIRRH, Mumbai. May 2018
- Dr. Vijay Khatri, Additional professor delivered lectures during training programme on revised programmatic management of DRTB on 26.03.18, 27.03.18, 31.03.18 at KEM Hospital.
- Dr. Vijay Khatri, Additional professor participated in Bedaquiline workshop experience sharing organised by RNTCP at ITC Maratha Mumbai in October 2018.

- Dr Mahesh Jansari Assistant Professor conducted panel discussion on “Presurgical fitness from chest physician’s point of view.” - Chest Council of India – COPDcon 2018.
- Lecture series through audio-visual centre at GSMC to NRHM Diploma students

Cardiovascular Thoracic Surgery (CVTS)

The department offers the M. Ch Course of three years duration in Cardiovascular & Thoracic Surgery under the aegis of the Maharashtra University of Health Sciences Nashik. We have an intake of 6 and have majority of retention this year. KEM Hospital is very often the first choice of PG students at the time of registration and this reflects the quantum and quality of training in the department. The residents go through a rigorous training programme aimed at attaining basic clinical and surgical skills. The residents rotate through other disciplines like Cardiology, Chest medicine, Vascular Interventional Radiology and Surgical Oncology at Tata Memorial Hospital. The department has an active teaching programme in the form of clinical presentations, journals club, diagnostic catheterization conferences and mortality meeting.

The department also offers undergraduate course of three years for BPMT perfusion therapy from MUHS Nashik. The students are admitted as per the MUHS Nashik and are trained as an qualified perfusionists. The department runs active teaching and clinical training for the perfusion students./ Nursing / OT & PT.

The department also runs one year certificate course in the Extra Corporeal Perfusion Technology. The intake is of three students every year.

3 Honorary Consultant have joined the department

1. Dr. J.M.S. Khandeparkar
2. Dr. Anil Madhav Patwardhan

Library Holdings – Departmental Library - 358 books

Two Functional Departmental Vascular Lab with Weekly Hands on Training session conducted

Clinical Pharmacology

- DM (Clinical Pharmacology) – 03
- Ph.D (Clinical Pharmacology) - 01
- Ph.D (Applied Biology)-0
- Msc (Applied biology) -0
- MD (Pharmacology trainees; rotation for 2 months) - 12

Community Medicine

UG Teaching

- MUHS UG examination
- In the winter examination 2018, 183 students appeared out of them 1 failed. The two students who secured the highest marks in Community Medicine
 1. Yash Sharma- 158/200
 2. Apoorva Bacchav - 157/200.
- In the Summer 2018 Examination 2 students appeared out of them 1 failed.
- IPHA QUIZ 2018: Two students represented Seth G. S. Medical College at AFMC, Pune on 7.4.18 and secured 2nd rank – 1) Alhad Mulkalwar 2) Amit Dashputra.

Academics

- International observers and elective trainees:

A structured training program has been developed for foreign students visiting GSMC /KEMH “Observership Program”. As a part of the program, students undergo training in various areas in Community Medicine viz. Rural health, health programs, etc. Students are also sent for field visits at Rural health training centre, Malvani Urban Health centre, Naigaon health centre, GOPD, IDSP, under five clinic etc. 4 Students of D.H.A. from Garware Institute of Management posted for internship in the department in the year 2018.

- Courses offered, intake and results:

	Course offered	Intake	Results (2018)
1	M.B.B.S.	183	
2	Diploma in Public Health	-	-

	Course offered	Intake	Results (2018)
3	M.D. (Comm. Med.)	17	All Passed
4	Postgraduate course in Pharmaceutical Medicine	Lecture courses in Community Medicine conducted by PSM Dept.	
5	Bachelor of Occupational therapy (B.O.Th.)	Lecture courses in Community Medicine conducted by Community Medicine Dept.	
6	Bachelor of Physiotherapy (B.P.Th.)	Lecture courses in Community Medicine conducted by Community Medicine Dept.	
7	B.Sc. Nursing (Bhagwati, Cooper Hospital)	Lecture courses in Community Medicine conducted by Malvani Health Centre	

Post Graduate Students Activities for M.D./D.P.H.

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

- Postings of RMOs – KEM Hospital – 22 months (which includes posting in General OPD, IDSP, UIP OPD, Naigaon Under -5 clinic & Naigaon geriatric OPD.), Rural health training center – 4.5 months and Malvani Urban Health Center - 8.5 months
- Posting in Kasturba Infectious Disease Hospital for one month on rotation basis
- “Mother Support Group” training for RMO: Rotational 15days training to all 1st Year RMO’s.
- 1 Day training on “Peripheral smear for Malaria Parasite technique” for all 1st Year RMO’s.
- STI/RTI Training at Mumbai District AIDS Control Society, Mumbai
- Visits to Non-Government Organizations (NGO) working in field of health or health related activities, Essay writing on topics of Public Health importance/issues, Recent Advances, PG Examination Preparation (Writing and Discussion).
- Internship -
- For the year 2018 the Department of Community Medicine, Seth G.S. Medical College has trained 157 regular batch interns, 12 casual batch interns, 15 externs from institutes within India & 8 externs from institutes outside India.
- Interns participated as members of the Medical team in various outreach activities of the department like: Mumbai Arogya Abhiyaan & Pulse Polio Immunisation programmes. Interns are also involved in managing fever OPD & Malaria awareness programme in the community especially during the monsoons.

Dermatology, Venereology and Leprosy

- Observers and Elective Trainees in 2018

Name of the observer	Purpose of training	Place of origin
Dr Ranjana Beniwal	Observer	Jodhpur
Dr S J Swetha	Observer	Hyderabad
Dr Muni Niva Tushar	Observer	Navi Mumbai
Dr Sambit Ranjan Dalei	Observer	Odisha
Dr Usha Khemani	Observer	Mumbai

- The department is actively involved in teaching undergraduate MBBS and physiotherapy students by taking lectures.
- Regular lectures and case discussions are conducted for students posted in the skin department.
- Courses offered, intake for the current year and results-

Name of course	Intake capacity for current year	Results
M.D (skin & VD)	4	Pass
D.V.D (skin &VD)	2	Pass
Fellowship in Dermatopathology and diagnostic dermatology	2	Pass

Dentistry

- SNEHA FOUNDATION (Society for Nutrition Education and Health Action, an NGO for women and their safety). Ms Vijaya and Ms Vandana Patil from the foundation delivered a lecture sensitising the faculty and residents on domestic violence against women.
- IMP Company

A seminar conducted by a representative from IMP company, a manufacturer of iron powder, who are working towards incorporating their product in oral and maxillofacial surgery by 3d printing models of jaw to be used as prosthesis.

Endocrinology

Presentation done at various national and international conferences (2018) by all Faculty.

Conference attended by Dr. Nalini S. Shah (Professor & Head 2018) (Superannuation dt.30.09.18)

ENT

- Symposia and lectures conducted by Dr Hetal Marfatia . Prof and HOD.
- Organized live workshop on Laryngo tracheal surgeries Aug 2018 as a faculty with Dr. Monnier from Switzerland at KEM hospital in association with prince Aly Khan Hospital.
- Jointly Organized Temporal bone dissection Workshop, 1st-2nd September 2018 with Dept of Anatomy demonstrated Cadaver dissection and delivered lecture on “Endoscopic Anatomy of Ear”
- Organising faculty and panelist for the panel on ‘Professional voice “during the 12 th workshop on phonosurgery, 28thth to 30th Sept, 2018
- Jointly organized FESS Live and Cadaveric dissection workshop in September 2018 with Dept of Anatomy Delivered Lecture on “Endoscopic Anatomy for FESS”, “Paediatric FESS “
- Organised Otolaryngology Cadaveric dissection workshop & conference and Faculty on 1st & 2nd September 2018 at KEM Hospital Mumbai
- Conducted Awareness programme on ‘ Self medication in common cold’ through RED FM 93.5 Radio on Anticold Day on 15th September 2018.
- Organised FESS Cadaveric dissection & Live surgical workshop & conference and Faculty From 19th To 21st October 2018 at KEM Hospital Mumbai.
- Organised International Otolaryngology Live surgical workshop and Faculty from 13th to 15th July 2018 at Bombay Hospital & Garware Club Mumbai
- Organized live workshop on Laryngo tracheal surgeries from 7th to 8th August 2018 as a faculty with Dr. Monnier from Switzerland at KEM hospital in association with prince Aly Khan Hospital.
- Life member of Association of Otolaryngology of India (AOI) since 2001.

Forensic Medicine

- Courses offered: None apart from that prescribed for the curriculum of the II MB,BS course by the Medical Council of India and the MUHS, Nashik
- Intake for the current year
MBBS :-
 - a. August 2018-- 185(one hundred & eighty Five)
TOTAL 185 (one hundred & eighty Five)
- Results
Grand Total:-185 (One hundred & Eighty Five), II MB,BS examinations of the MUHS, Nashik
 - a. held in January 2019
 - i. No of candidates appeared : 185 (One Hundred & Eighty Five only)
 - ii. No of candidates passed : - 185
 - iii. No of candidates failed : 00
 - iv. Percentage of passed candidates : - 100%
 - v. No of student (above 70):10

Gastroenterology

- International Observers and Elective trainees: - External Rotation posting from Tata Hospital – Dr.Vaneet Jearth, Dr. Sahil Shaikh

Courses offered and intake for the Current year

- DM Gastroenterology; 2 students
- PhD / MSc (Applied Biology), No students admitted this year

General Surgery

- Courses offered – MS General Surgery - 21 seats
- Results – All candidates who appeared have passed their theory and practicals
- Themes of ongoing research- 53 ongoing PG dissertations.

Hematology

- Dr. Chandrakala. S received B.G.R.C oration award from Mumbai Hematology group annual meeting on 2018.
- Department of hematology conducted Quarterly MHG meeting in September 2018
- Started monthly PG teaching programme for hematology and hemato oncology residents of Mumbai from October 2018

Medicine

Foreign students are posted for tropical disease training for periods ranging from 2-6 weeks.

Research :

- ICMR collaboration projects; Clinical Trials, postgraduates dissertation research studies.
- 2D ECHO in critical care: introduction and basic workshop conducted in MICU for MD residents

Dr Santosh Salagre

- Associate Professor & Head of Medical Unit, In Charge – Hypertension services
- New facilities added –
 1. Digital instruments for BP measurement in HT OPD
 2. Both limb simultaneous BP Measurement instrument
 3. Ambulatory BP Machines
 4. Awareness programme
- Yoga and relaxation therapy in collaboration with Occupational therapy, Psychiatry and Community Medicine departments.

International Representation -

- Dr Santosh Salagre was invited as Regional Institute faculty at FAIMER Philadelphia from 18th to 22nd March 2018. He actively participated in the project during the year and conducted a session on Poster Gallery walk for the FAIMER Institute Fellows.
- Dr Santosh Salagre appointed as National Chair, Faculty Training of Indian Programme of UNESCO chair in Bioethics, Haifa
- Felicitation – Dr Santosh Salagre was felicitated by Department of Medical Education on 10th September 2018 as a part of Silver Jubilee celebrations for the valuable and untiring contributions and efforts to the growth and development of Department of Medical Education.

Microbiology

- The department carried out undergraduate training for MBBS, B.Sc.(OT), B.Sc. (PT), BPMT, and B.Sc.(nursing) students. Post graduate training was provided to MD (Microbiology), M.Sc. (Microbiology) by research, PGDMLT and Ph.D. students.
- Six students have registered for MD Microbiology this year.
- The pass percentage for M.D in 2017 was 100 %.
- Library (Departmental Library) Books – 200
Journals – IJMM, JPGM (now e-prints only)
- Internet facility is available for all staff and students
- Conducted hands on training on HIV testing for lab technicians from facility integrated counseling and testing centers in collaboration with MDACS and PATH
- Conducted hands on training for all DOTS centre technicians from Mumbai on LED fluorescent microscopy.

Neonatology

- Increase in seats from 1 to 4 in DM Neonatology by MCI.
- Dr. Ruchi Nanavati: National expert (team member) for formulating Neonatal Standard Treatment Workflow guidelines of Ayushman Bharat Scheme.

- Department of Neonatology recognized as the regional “Regional Collaborative Center for Facility Based Newborn Care” under National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India.
- Dr. Ruchi Nanavati : National faculty & In charge Regional Collaborative Centre of Facility Based Newborn Care Program under National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India.
- Dr. Ruchi Nanavati: Member of Task Force on Standard Treatment Guidelines, An initiative by National Health Systems Resource Centre, Ministry of Health & family Welfare, Government of India
- Dr. Ruchi Nanavati: Member of Superspeciality Board of Studies of MUHS
- Dr. Ruchi Nanavati: Advisor to the Association of Neonatal Therapists
- Dr. Ruchi Nanavati: Advisor for Neonatology Refresher Course by Neonatology Chapter of IAP & Neonatology Forum Mumbai held in Mumbai, September 2018.
- Organization of 7 SNCU Observership training (14 days each) / Mentoring programs for pediatricians & nurses from Rajasthan & Chhattisgarh under National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India
- Organization of 11th annual workshop on Neonatal Ventilation from 25th to 30th June 2018.
- Organization of 6th annual Nursing CME on 22th to 30th November 2018

Nephrology

Courses	Intake	Results
DM Nephrology	2 per year	100%
M.Sc. Applied biology	1 registered	Under process
Ph. D. Applied Biology	2 registered	1 thesis submitted

- Departmental Library have on line “Up-to-date”
- Literature access.
- Departmental Library - Total Number of books – 370 & Journals – Indian -1, Foreign – 4.

Neurology

Intake for current year

- Two students per year for DM Neurology
- Two posts per year for Epilepsy Fellowship (Post Doctoral)
- 5 students per year for B.P.M.T
- Library – Dept library holds 250 books.
- Every Saturday Lectures Conducted for OT/PT students.

Neurosurgery

- Faculty members were invited as speakers for Annual meeting of Indian Society of Neurooncology/ Indian Society of Pediatric Neurosurgery/ Neurological Society of India 2018.
- Dr. Dattatraya Muzumdar: Organised a Symposium on ‘Surgery for drug refractory epilepsy’ at Confluence 2018, Annual conference of medical students, Seth G.S. Medical College and KEM hospital.
- Dr. Abhidha Shah was an invited faculty for the 4th Walter Dandy Neurosurgical Society India chapter Educational Course and Hands-on Workshop, Agra, India.
- Dr. Abhidha Shah served as a resource person for Masterclass in Neurosurgical Neurooncology, Mumbai, India.
- Department has a Micro neurosurgical laboratory for anatomical dissections, the only kind in Western India. The laboratory is recognized by Neurological Society of India and World Federation of Neurosurgical Societies (WFNS).
- Recognized by WFNS education committee as Class A centre for training in skull base surgery.
- International fellows trained in 2018: Andrei Giovani (Romania), Han Zhang (China), Khairul Muhajir & Raka Janitra (Indonesia), Aous Mohammad, Mohammed Al Mansoori, Ali Kadhim, Awfa Aktham (all from Iraq) Qais Sammana (Jordan).
- National Fellows trained in 2018: 25
- M.Ch. Neurosurgery: 4 seats per year
- Departmental library has 2314 books and various National and International Journals.

- Planning to start fellowship courses with MUHS University.

Nuclear Medicine

Organised one workshop with the western chapter of Society of Nuclear Medicine

- RSO training workshop for India for radiation Safety exam conducted by AERB at the TMH in collaboration with Nuclear medicine department Of TMH and western chapter of society of Nuclear Medicine India.
- Case presentation series for MD and DNB examinations for western region

Nursing

- Nursing Department & School of Nursing had conducted 10 CNE for K.E.M.Hospital nursing staff on following topics
- Management of diabetics – 4 sessions
- Bioethics – 4 sessions
- Immunization – 2 sessions
- Sister tutor mrs. Arya Deshmukh, mrs. Vishakha Bhoer, mrs.Chaya Pawar, conducted 1 & half days workshop on Basic Stoma Care & Enterostomal therapist updates in m/o Nov. 2018.
- Every year we send nursing staffs for higher education i.e. P.B.Bsc, M.Sc. Nsg, Trade Unianisum & Industrial relationship.
- Staff Nurse Pallavi Chavan send for Enterostomal care short term cours at Tata Memorial Hospital for 3 months. From september 2018
- Staff Nurse Shehali Rane was deputed for pallative care 6 weeks course at Tata Memorial Hospital. In month of August 2018

Obstetrics and Gynecology

1. CME on Hysterectomy, dated, 10/04/2018
2. CME on Endometriosis, dated, 04/10/2018
3. Workshops for resident doctors
 1. Research methodology
 2. Good clinical practice
 3. Communications skills
 4. Time management
 5. Stress management

Courses offered

Course	Students (per year)
MBBS	180
DGO	12
MS	24

Library- Books: 752, Journal: 277.

Occupational Therapy

- Organized MUHS approved two days workshop on Resident as Teacher in September 2018.

Ophthalmology

Symposium and journal article discussions

Symposiums held for PG students by:

- Dr Sheela Kerkar – Professor and HOD, Dept of Ophthalmology
- Dr Kokila Kamath – Associate Professor, Dept of Ophthalmology
- Dr Paritosh Kamdar – Vitreoretinal Surgeon, Alumnus
- Dr Suraj Pandya – Ophthalmologist, Alumnus

Training programmes

Various PG training programmes attended by students:

- iFocus PG training programme 2018 by Centre for Sight, Delhi
- EyePep PG training programme 2018 at L V Prasad Eye Institute Hyderabad

Orthopedics

- Courses offered – MS Orthopedics, MUHS & MCI recognized. Every year we have an intake of 24 post graduate candidates selected from state and all India post graduate entrance examination. We conduct regularly monthly clinical meets, educative ward rounds and bedside clinics apart from scheduled under graduate and post graduate lectures.
- We have access to updated departmental library and online journal data base.

Pathology

- Automation of hematology using 5-part & 3-part differential blood cell counter.
- “Hands-on-slide viewing session of peripheral blood smears and bone marrows for exam going PG students” 23rd March, 2018, Dr. Daksha P, Dr. Tejaswini, Dr. Pragati Sathe, Dr. Ratnaprabha Ghodke.

Participating in External Quality control program for hematology & cytology with AIIMS.

Courses offered:

- M.D. (Pathology) – 14 students per year
- MBBS – 180 students per year
- D.M.L.T - 10 students per year
- B.P.M.T Course – 22 students
- Fellowships in Cytopathology, Renal Pathology, GI Pathology, Cardiovascular Pathology, Pediatric Pathology and Neuropathology – 12 fellows Sanctioned per year & 7 fellows filled - 2 per subspecialty
- Observerships offered for Autopsy training and Histopathology training to MD Pathology post-graduates in Pathology from all over India.
- Training imparted in laboratory techniques to many trainees from various colleges in Mumbai throughout the year.
- Library holdings:
Approximately 310 text books in various aspects of Pathology are maintained in the departmental libraries.

Pediatric Anesthesia

- Workshop on Paediatric Vascular Access on 07/07/2018 which included all modes of vascular access like arterial lines, central venous lines, PICC lines, chemoports, etc.
- A guest lecture on Chronic Pain in Paediatrics on . Visiting faculty Dr. Genevieve D'souza, Stanford University, USA.
- Hands on session on EZ-IO intraosseous access device on 20/11/2018. Visiting faculty: Dr. Chris Davlantes, University of Kansas Hospital, Texas.
- An interactive session on Regional Blocks in Paediatric patients on 26-27th December, 2018. Visiting faculty: Dr. Rishi Diwan, Alderheys Children's Hospital, Liverpool.

Pediatric Surgery

- Undergoing MUHS approved fellowship course in Pediatric Minimal Access Surgery: Dr Shalika Jaiswal, Dr Rujuta Shah.

Pediatrics

Organizer for Conferences/ Workshops:

- Dr. Mukesh Agrawal & Dr. Milind Tullu: Organizing Team for “ORACON 2018” [Dr. Maneck P. Bhagat Oration on “Immunodeficiency: Lessons from a Pediatrician's Diary” delivered by Dr. Rashid Merchant, Consultant Pediatrician, Nanavati Superspeciality Hospital & Former Dean & Professor of Pediatrics, B.J.Wadia Hospital, Mumbai] conducted at Seth G.S. Medical College & KEM Hospital, Mumbai on 7th August 2018.
- “IAP ORS Week Celebration” in July 2018 (Co-ordinated by Dr. Mukesh Agrawal & Dr. Swati Gupta).
- Collegiate Round of undergraduate and postgraduate Indian Academy of Pediatrics (IAP) quiz in August 2018 (Co-ordinated by Dr. Mukesh Agrawal & Dr. Swati Gupta).
- Dr. R.K.Vaswani: Organized “Acute Flaccid Paralysis Surveillance Orientation Meeting’ for faculty, resident doctors and nurses in August 2018.
- Dr. Mamta Muranjan: Arranged Epilepsy-Pediatric Neurology department teaching program (guest lecture and case discussions by Dr. Rajkumar Agarwal, USA).

Pharmacology and Therapeutics

- i. Educational activities initiated by the faculty members:
Google classroom was successfully initiated.
- ii. Participation in UG and PG teaching and training activities:
 - Teaching sessions for the students of II MBBS, II year BOTh, II year BPTh, II year, BPMT and II year Nursing students of the college were conducted.
 - Nine symposia were conducted by II MBBS students in which faculty members were facilitators.
 - Training sessions for the quiz team of II MBBS students for Dr. AS Paranjpe Pharmacology Quiz for Mumbai zone were conducted during July- August 2018.
 - Journal Clubs, Seminars, Symposia, Protocol planning and therapeutic case discussions were conducted for PG students.
 - Four postgraduate students were selected for a two month internship program at Novartis Hyderabad.
- iii. Workshops / CMEs / Guest lectures organized
 - GCP workshop conducted at Bombay Hospital and Medical Research Centre by Dr. Yashashri Shetty on 10th February 2018.
 - Research Methodology and Biostatistics Workshop was conducted at RA Podar Medical (Ayu) College, Worli, 20th - 22nd February 2018
 - Dr. Padmaja Marathe organised a workshop, 'Principles of Bioethics : Benefit and Harm, Research Ethics, Empathy', under the aegis of Bioethics Unit of the institution for Second MBBS, Second OT and Second PT students on 16th March 2018.
 - Research methodology workshop was organized by the department at Seth GS Medical College and KEM Hospital, for postgraduate students of the Department of Pharmacology and Therapeutics from 9th -11th July 2018.
 - GCP workshop organized by the department at Seth GS Medical College and KEM Hospital, for postgraduate students of the Department of Pharmacology and Therapeutics on 12th July 2018.
 - Research methodology workshop organized by the department for postgraduate students at MGM Dental College, Kamothe from 6th -8th of August 2018.
 - Research methodology workshop organized by the department for postgraduate students of Terna Dental College from 25th - 27th September 2018.
 - Research Methodology and Biostatistics Workshop was conducted at RA Podar Medical (Ayu) College, Worli, 19th - 21st December 2018
- v. Courses offered

	Courses Offered	Intake for the current year	Results of Exams
1	MD Pharmacology	10	All students passed

Capacity building programmes undertaken

- Dr. Snehlata Gajbhiye underwent and received NABH accreditation for Institutional Ethics Committee –II of Seth GSMC & KEM Hospital in the capacity of Member Secretary.
- vi. Library:
 - Currently holding 810 books. 6 new books were added this year in department library.

Physiology

- Courses offered & intake

Courses offered	Intake
Postgraduate degree course in Human Physiology	9
I MBBS	180
IIIrd MBBS (Integrated lectures)	180
FYBOTh /FYBPTh	40 + 40
III year OT	40
Bachelor of Para-Medical Technology 1 st & 2 nd year	25

Physiotherapy

	Courses	Duration	Intake	Results
I	Bachelors in Physiotherapy	Four years + Six months of Internship	40	I BPTH: 75% II BPTH: 95% III BPTH: 95% IV BPTH:100%
II	Masters in Physiotherapy PT in Musculoskeletal Science PT in Neurosciences PT in Cardiovascular & pulmonary Sciences)	Two years	Total =20 8 6 6	100% 100% 100%
III	Ph.D Guides: Amita Mehta Saraswati Iyer: Bhavana Mhatre Jaimala Shetye Mariya Jiandani:	Ph.D Scholar's from PT Department: R.Lakshmiprabha, Archana Gore, Jyotsna Thosar, Dipti Geete, Swati Paranjpe	13	
IV	Externship	14 candidates from other institutes have come for externship this year		

- Lecture Theaters with audiovisual facilities Laboratories with facilities to learn Exercise Physiology and Biomechanics, Electrotherapeutics and Electrodiagnosis.
- Departmental Library with Computer facility and e books
- The department encourages Extra curricular participation for overall development
- Program for Ethics, Professional practice and Administration is conducted for UG students.
- Program for Research Methodology is conducted for UG students.
- Mentoring Program for UG and PG students

Academic Toppers in P.T. School & Centre, SGSMC:

UG toppers for annual exam 2018				
	FY BPTH	SY BPTH	TY BPTH	Fourth Y BPTH
1 st	Anushka kantak	Neha Parikh	Aishwarya Iyer	Nidhi Savla
2 nd	Eshita Shah	Nirati Lakhani	Omkar thakur	Shraddha Parekh

PG toppers for MUHS exam 2018	
P. T. in Musculoskeletal Sciences	Priyanka Sangtani
P. T. in Neurosciences	Prajakta Naik
P. T. in Cardio respiratory sciences	Anuja Deshpande first at MUHS – Cardiorespiratory elective

Continuous Professional Development attended by staff members:

- Jaimala Shetye: Participated on update on revised KMR guideline & revised KEM SOP version 5th Feb. 2018
- All faculty-Attended CME on sleep disordered breathing arranged by dept. of chest Med. & EPRC, Seth GSMC & KEMH
- Dipti Geete, Sarika Pajai, Apeksha Ingle, Poonam Barchha, Shabana Kazi, Rupali Deshande, Shilpa Naik CME on Medical writing & Publish scientific research paper Wolter & Kluwer (Oct. 2018)
- Archana gore participated in Impact Assesment Workshop

Plastic Surgery

- Courses offered and intake for current year: M.Ch. Plastic Surgery- 4 students per year

Psychiatry

Awards won by Dept. at conferences

The Dept of Psychiatry had organized:

- Dr. V.N. Bagadia Oration delivered by Dr Sarvada Chandra Tiwari, Prof & Head, Dept of Geriatric Mental Health KGMHC, Lucknow on 7th Aug 2018 on topic "Geriatric mental Health services in India: Analyses of the Present and future "

- **De-addiction Projects**

- Drug Treatment Clinic (DTC) started March, 2015 and is continuing under the aegis of MOHFW GOVT OF INDIA. Patients of substance use disorder benefit with free medication and psychosocial intervention.
- Regional Resource & Coordination Centre (RRCC) started since Sept, 2015 and 2 new DTCs were established in 2017. (North District Hospital Mapusa & New Civil Hospital Surat)
- 5 more (DTC) Centre's will be established in the near future.
- An Induction Training was conducted for the new DTC staff and some newly joined staff at other centres in January 2018.
- Deaddiction Awareness Programmes conducted in Schools and colleges in collaboration with Antinarcotics Cell (June – July, 2018.)

- **National survey on extent & pattern of substance use in India:**

KEM is one of the RTAs (Regional Technical agency) for the project 'National survey on extent & pattern of substance use in India' Implemented and coordinated by NDDTC, AIIMS under the aegis of Ministry of Social Justice and Empowerment. The project involves:

- Household survey in all states and UTs of the country (for legal & socially acceptable substances)
- RDS survey with multiplier (for estimating the size of illicit drug dependent population) in all states / UTs
- Focused Thematic studies

Workshops/CMEs/Training conducted by the department

1. Conducted a clinical meeting for Bombay Psychiatry Society on 'life in metro July 2018 (ASN unit)
2. Conducted a clinical meeting for the Bombay Psychiatric Society on 'Treatment with Biofeedback on 21st of November (SRP unit)
3. Conducted suicide awareness program for world suicide prevention day
4. Organized community programs all over Mumbai and outside Mumbai in schools and colleges for teachers on creating awareness about Understanding Suicidal Risk from 24th Nov to 1st Dec 2018 on behalf of the IPS Specialty Section on Suicide Prevention. More than 30 programs, marathon, walkathon were organized.
5. Organized a workshop for all PGs from Mumbai on Risk assessment In Suicide on behalf of the IPS Specialty Section on Suicide Prevention
6. Organized the IPS Specialty Section CME on Suicide Prevention at Nehru Science Centre on 2nd Dec 2018

Staff Members Appointments:

Dr S.R. Parkar

- Chief Hitguj Project Mental Health Helpline Brihanmumbai Mahanagarpalika
- Nodal officer of Regional Resource & Coordination Centre (RRCC)
- Women Development Cell of Gokhale Education Society's College of Education and Research Local Advisory Committee Member.
- Member of NALSA (Legal Services to the victims of drug abuse and eradication of drug menace) core committee scheme by Maharashtra state legal services authority Mumbai
- Member of Prevention of sexual harassment at work place Brihanmumbai mahanagerpalika
- Chairperson of National Scientific Seminar by Specialty Section, Suicide Prevention Indian Psychiatric Society.

Dr AS Nayak

- Member of Core Committee of PCOS clinic of NIIRH.

Dr N.S. Sawant

- Hon Editor, Annals of Indian Psychiatry.
- EC member IACAM

Dr. Kranti Kadam

- Member of Domestic Violence care Committee. GSMC & KEMH.

Dr. Shilpa Adarkar

- Honorary Vice President - Bombay Psychiatric Society.

Dr. Karishma Rupani

- Member of Staff Research Society

*Guest Lectures and Lectures delivered by the Faculty Members**Dr S R Parkar Professor and HEAD, Department of Psychiatry*

- Organised workshop on Suicide Risk assessment and clinical implications in annual conference of IPS ANCIPS in Ranchi February 2018
- Coordinated 35 community programs on suicide prevention

Dr. Shilpa Adarkar

- Motivational Enhancement - School teachers & counselors with BPS on 1st July, 2018.
- Hazards of Substance use at Nirmala Niketan on 18th July, 2018.
- Deaddiction lecture for General Practitioners – Deonar on 21st September, 2018.
- Methadone & Deaddiction Clinic IPSWZB Conference Pune on 13th Oct, 2018.
- Suicide Prevention - MD College (IPS Suicide Specialty Section) on 26th Nov, 2018.
- Newer Addictions – Dombivali IMA Conference - MAHAHOSPICON on 1st Dec, 2018.
- Challenges in The treatment of substance use disorder – BPS Seminar on 15th Dec, 2018.

Dr. Karishma Rupani

- Seminar- workshop on suicide prevention in December 2018.

Social Services

- Guidance and field work orientation provided to post graduate students of different social work colleges.
- Training programmes for counselors / CDO's posted in the Blood Banks.
- Orientation arranged for CIFA International participants.

Surgical Gastroenterology

- Dr. Chetan Kantharia, Professor presented a Master video of IPAA for UC
- Dr. Vinaykumar Mahala, DNB 3rd year student presented Best video – Mesocaval Shunt at MASICON 2018
- Dr. Avinash Supe, Emeritus Professor, delivered prestigious Manohar Joshi Oration at IHPBA 2018
- Dr. Sharvari Pujari, Assistant Professor, Presented video on sunt surgery for PHT at invited video session at IHPBA 2018
- Dr. Bhushan Bhole, Assistant Professor, Chaired session on CA GB at IHPBA 2018.
- Dr. Vinaykumar Mahala, DNB 3rd year student, 2nd Prize for best paper on Prediction of Malignancy in Chronic Pancreatitis with head mass at IHPBA 2018
- Dr. Rahul R, DNB 2nd year student presented at free paper session at IHPBA 2018
- Dr. Suhail Farooq, Dr. Vikram Rao, Dr. Rohan Patil- E poster at IHPBA 201
- Dr. Chetan Kantharia, Professor, talk on Portal Hypertension EHPVO & NCPF at HPB Workshop-Ahemdabad.
- Dr. Chetan Kantharia, Professor, Talk on management of Liver Trauma at HPB workshop-Ahemdabad.
- Dr. Chetan Kantharia, Professor gave a Talk on Bile duct Injury at HPB Workshop-CMC Vellore.
- Dr. Chetan Kantharia, Professor, on TV Hello Doctor on Inflammatory Bowel Diseases
- Dr. Chetan Kantharia, Professor, Lect on Techniques & tricks in colonic anastomosis at ACRSI 2018
- Published 1st issue of Journal of ColoRectal Surgery with Dr. Chetan Kantharia as chief editor.
- Dr. Vikram Rao, DNB 2nd year student, presented Best paper presentation on surgical outcome in patients of ulcerative colitis at IASG 2018
- Dr. Rohan Patil presented a poster on RFA And TACE in ColoRectal Liver Metastasis at IASG 2018.
- Dr. Ramkrishna Prabhu, Associate professor, Management on ca esophagus at CME on GI Surgery Oncology on 27th Oct 2018
- Dr. Sharvari Pujari, Assistant Professor, Dilemmas in Ca pancreas at CME on GI Surgery Oncology on 27th Oct 2018
- Dr. Bhushan Bhole, Assistant Professor, Controversies in Ca stomach at CME on GI Surgery Oncology on 27th Oct 2018
- Dr. Avinash Supe, Emeritus Professor, pancreatic NET at HPB Workshop at CMC Vellore.

Transfusion Medicine

- Telemedicine seminars are conducted alongwith SGPGI, Lucknow and SRMC Chennai.
- Dr. Jayashree Sharma participated as a Guest Speaker at the ISBTI conference TRANSCON 2018 on 27/10/18 held at Vishakhapatnam and gave a talk on “Hospital Transfusion Committee”.

- Dr. Swarupa Bhagwat presented paper on “Transfusion in Jehovah’s witnesses an ethical dilemma” at 6th National Bioethics Conference in Pune, January 2018.
- Dr. Jayashree Sharma has been appointed as National Expert Reviewer for the News Letter constituted by Haemovigilance Programme of India, National Institute of Biologicals, New Delhi.
- Dr. Jayashree Sharma has been appointed as a Chairperson for the Accreditation Committee constituted by NABH, QCI, New Delhi.
- Dr. Jayashree Sharma was invited as a Faculty at the National Conference on “Upcoming avenues for Viral Hepatitis elimination in India” organized by NIIH on 29/07/2018.
- Dr. Jayashree Sharma was invited as Faculty for the CME conducted at Hinduja Hospital on TPE (Therapeutic Plasma Exchange).
- Dr. Jayashree Sharma was invited as a Faculty for the CME conducted on Platelet Additive Solution and Leucodepletion A step further towards Transfusion safety and held at Kokilaben Dhirubai Ambani Hospital on 21/4/2018.
- Dr. Swapnil Rai presented a oral paper in ISTM conference on 24/11/18 on the Topic ‘Analysis of Factors Influencing Plateletpheresis Yields and Post-transfusion Platelet Recovery: A Prospective Observational Study’ at Kochi.
- Dr. Ruchi Punamiya (2nd year PG student) presented poster at ISTM conference. TRANSMEDCON 2018 held at Kochi on 24/11/18.
- 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.
- C.M.L.T. students and students of Biotechnology from different Colleges come for observership.
- Technologists take specialized training in “Component Preparation and platelet pheresis.”
- The Department has well equipped library with the latest books and Journals on Blood Transfusion and Immunohaematology.
- The Department conducts regular teaching programmes for M D Transfusion Medicine students, like Case presentation, Seminars, Journal Clubs and Quiz Competition etc.
- Lectures are taken for BPMT students.
- Dr. Jayashree Sharma, Dr. Charusmita Modi & Dr. Swarupa Bhagwat took lectures for NACO training programme.
- The Dept. of Transfusion Medicine has been selected as the Apex Training Centre for Training of BTOs, Nurses and Technicians of various Blood Banks of the west Zone. Hence various Training programmes conducted in the Dept.

Urology

Academic Activities

- The department has a full-fledged training programme for M.Ch. residents since 1980 which is recognized by the University of Mumbai. It is also recognized by the Medical Council of India (MCI) and National Board of Examination, New Delhi to train DNB urology candidates. Many urologists trained here occupy prestigious positions not only in India but abroad also.
- Inter-departmental meetings and Teaching Program : The teaching program includes regular integrated undergraduate lecture for all the 3 terms and post-graduate teaching schedule for M.Ch. (Urology) students in the form of clinical, case presentation, bed side clinics, ward rounds, uro-nephrology meetings, Journal reviews and operative video session.
- Daily Morning Grand rounds - 8.00am to 8.30am
 - Grand round - Wednesday – 12 to 1 pm and Saturday– 1 to 2 pm
 - Clinics- Monday 8 am to 9 am –
- Video class with Professor Dr. Ganesh Gopalakrishnan, Ex. Professor, CMCH, Vellore. Case presentation & one topic are discussed through video calling (using Google Hangouts)
- Tuesday-2.30 pm - Transplant meet – once a week to discuss prospective and operated renal transplantation cases
- Wednesday- 4 to 5pm- case discussion
- Friday {Journal Club, Uro-pathology, Symposium / Seminar} on every Friday
- Saturday -12.30 to 1.30pm - OPD case discussion 3 to 4 pm-
 - a. Uroradiology: Basic instructions and teaching on various Uro-radiological procedures. Discuss interesting and difficult cases of the week.
 - b. Symposium / Seminar
 - Interdepartmental Meeting with Nephrology on Monday at 1.30 pm to discuss renal transplants and explained the procedure of renal Transplant to the patients and relative as required by the law.

- P.G. Teaching :
 - Didactic lectures as per University program.
 - Discussion of thesis work.
 - Discussion of research projects at regular intervals.
 - Clinical case discussion.
- Journal Review: Twice in a month
- P.G. Teaching as per the schedule / Lecture series prepared by Mumbai University
- New Asst. Professor, Dr Abhishek Savalia, has been appointed on regular basis since April 2018.
- Dr. Anita Patel has started female Urology services and new operation in the field of female Urology on ad hoc basis till Oct. 18

Patient Care

Patient Care

Anatomy

- The department facilitates conducting workshops by various clinical specialties where clinicians hone their skills by dissecting cadavers. They also learn use of various surgical instruments like laparoscopes and endoscopes on cadavers. This kind of high-quality education and training results in better patient care.

Anesthesia

- Pain clinic OPD on every Wednesday from 1.30 p.m. to 3.30 p.m. Room No. 345, Multi Storey Building, Ground Floor. Incharge – Dr Indrani Hemantkumar, Dr. Sweta Salgaonkar

Biochemistry and Clinical Nutrition

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 Semiautoanalyzer

The biochemical parameters which are analyzed on routine basis are:

- Blood Sugar (Fasting, Post Prandial & Random)
- Sr. Creatinine
- Blood Urea Nitrogen
- Sr. Total Protein
- Sr. Albumin
- Sr. Alkaline Phosphatase
- Sr. Aspartate Transaminase
- Sr. Alanine Transaminase
- Sr. Uric acid
- Sr. Bilirubin (Direct & Indirect)
- Sr. Electrolytes (Na⁺, K⁺ & Cl⁻)
- Sr. Calcium
- Sr. Phosphorous

Number of tests done in CCBL from Jan 2018 to Dec 15, 2018

Sr. No.	Name of Test Parameter	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018	Total No. of Tests
1.	Blood Sugar	16006	17860	19100	18450	17920	17668	15183	18432	13211	18033	18160	7852	197875
2.	Sr. Creatinine	19387	18339	20225	19580	20933	21938	24987	21693	24477	20477	17280	7347	236663
3.	Blood Urea Nitrogen	19387	18339	20225	19631	20933	21938	24987	21693	24478	20477	17280	7347	236715
4.	Sr. Total Protein	27430	24330	25893	29511	25839	30701	31285	30593	31625	25389	20889	10225	313710
5.	Sr. Albumin	27525	24320	25217	19511	26526	30701	31285	30593	31625	25389	20889	10225	303806
6.	Sr. Alkaline Phosphatase	20572	21525	22376	23559	24361	25829	26825	27999	25623	22633	20553	10005	261855
7.	Sr. Aspartate Transaminase	21332	23390	21699	19531	20339	23525	26985	26533	25560	24930	23630	12365	257454
8.	Sr. Alanine Transaminase	15331	16933	17556	18330	19589	20131	22431	24021	23349	20119	16789	8566	214579
9.	Sr. Uric acid	1930	2009	1973	1791	1558	1231	1431	1452	1566	1678	1799	957	19375
10.	Sr. Bilirubin (Direct & Indirect)	801	799	820	786	789	890	980	1098	1001	730	631	230	9555

Sr. No.	Name of Test Parameter	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018	Total No. of Tests
11.	Sr. Electrolytes (Na ⁺ , K ⁺ & Cl ⁻)	13592	14530	15781	16780	19260	19021	18875	19055	19678	18899	17999	8566	202036
12.	Sr. Calcium	15507	14321	12321	10349	11789	12311	13231	14590	13818	14320	15999	7832	156388
13.	Sr. Phosphorus	16916	15551	11930	10001	11810	13007	12919	14530	13703	14299	15212	7856	119174

Emergency Medical Services Laboratory (EMS Lab)

Patients' samples are analyzed for biochemical parameters on:

1. ONE Transasia XL 640 Fully Automatic Biochemistry Analyzer
2. ONE Randox Rx Daytona Fully Automatic Biochemistry Analyzer
3. ONE Erba Mannheim EM 200 Fully Automatic Biochemistry Analyzer
4. TWO Transasia ERBA Easylyte Electrolyte Analyzer
5. ONE Roche Electrolyte Analyzer
6. ONE Transasia ERBA Chem-7 Semiautoanalyzer
7. THREE water distillation plants

The biochemical parameters which are analysed daily are:

1. Blood Sugar (Fasting, Post Prandial & Random)
2. Sr. Creatinine
3. Blood Urea Nitrogen
4. Sr. Electrolytes (Na⁺, K⁺ & Cl⁻)
5. Sr. Bilirubin (Direct & Indirect)
6. Sr. Aspartate Transaminase (AST)
7. Sr. Alanine Transaminase (ALT)

Number of tests done in EMS Laboratory from Jan 2018 to Dec 15, 2018

Sr. No.	Name of Test Parameter	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018	Total No. of Tests
1.	Blood Sugar	13162	13005	10100	11808	12080	12312	13398	14590	14451	14083	11449	5306	145744
2.	Sr. Creatinine	12130	13084	11082	12187	12890	11757	13869	14680	13930	13921	11972	5132	146634
3.	Blood Urea Nitrogen	12130	13084	11082	12187	12890	11757	13869	14680	13930	13921	11972	5132	146634
4.	Sr. Aspartate Transaminase	2195	2115	1408	1590	1960	2421	2886	2140	2150	1665	2020	1165	23715
5.	Sr. Alanine Transaminase	2195	2115	1408	1590	1960	2421	2886	2140	2150	1665	2020	1165	23715
6.	Sr. Bilirubin (Direct & Indirect)	193	194	156	164	154	167	159	225	205	205	333	542	2697
7.	Sr. Electrolytes (Na ⁺ , K ⁺ & Cl ⁻)	13269	13089	11120	10800	11805	11829	13489	15016	14024	13704	11659	5180	144984

CVTS Laboratory No. 315 (Lab 315)

Patients' samples are analyzed for biochemical parameters on:

- ONE Randox Rx imola Fully Automatic Biochemistry Analyzer

The biochemical parameters which are analyzed daily are:

- Sr. Total Cholesterol
- Sr. Triglyceride
- Sr. HDL Cholesterol
- Sr. LDL Cholesterol
- Sr. CK Total
- Sr. CK-MB

- Sr. and Fluid Amylase
- Sr. and Fluid ADA
- Sr. and Fluid LDH

Number of tests done in CVTS Laboratory (Lab 315) from Jan 2018 to Dec 15, 2018

Sr. No.	Name of Test Parameter	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018	Total No. of Tests
1.	Sr. Total Cholesterol	2010	1868	1956	2012	1890	1794	2082	1922	2039	2215	2108	1012	22908
2.	Sr. Triglyceride	2010	1868	1956	2012	1890	1794	2082	1922	2039	2215	2108	1012	22908
3.	Sr. HDL Cholesterol	810	780	810	760	710	628	705	671	689	889	746	352	8550
4.	Sr. LDL Cholesterol	810	780	810	760	710	628	705	671	689	889	746	352	8550
5.	Sr. CPK-Total	190	165	205	175	159	143	146	215	160	207	131	65	1961
6.	Sr. CK-MB	190	165	205	175	159	143	146	215	160	207	131	65	1961
7.	Sr./ Fluid Amylase	105	102	97	102	98	96	136	116	87	164	111	51	1265
8.	Sr./ Fluid ADA	294	250	286	265	250	240	273	246	225	267	260	51	2907
9.	Sr./ Fluid LDH	496	486	510	465	450	410	407	445	483	567	450	245	5414

Cardiac Anesthesia

- Patient care : Use of High flow nasal oxygen therapy in postoperative cardiac surgical patient (Pediatric and adults)
- Use of High flow nasal oxygen therapy in postoperative cardiac surgical patient (Pediatric and adults). This therapy reduces rate of respiratory complications following cardiac surgery and early recovery of patients is enhanced. ICU morbidity is also reduced.
- Equipment addition for better patient care: TEE machine

Cardiology

No. of Procedures done in Siemens Cath Lab from 1st January 2018 to 31th December 2018

Sr. No.	Types of Procedures	No. of Procedures
	Coronary Angiography	995
	BMV	93
	BPV	16
	BAV	24
	ASD Device Closure	18
	VSR Device closure	2
	RSOV Device closure	3
	PDA Device Closure	42
	PCI with stent	428
	Rotablator	10
	Renal artery plasty with stenting	2
	Electrophysiology Study and Radio Frequency Ablation	70
	PPI Implantation	67
	Diagnostic Catheterization	48
	AICD implantation	19
	CRT implantation	11
	Coarctoplasty	11

Sr. No.	Types of Procedures	No. of Procedures
	AP window device closure	5
	Total No. of procedures	1864

From 1st January, 2018 to 31th November, 2018

- Total No. of patients admitted in ICCU : 1398
- Total No. of patient admitted in Wd. 32 : 2406
- Total no. of patients done : CST: 2778
- Total no. of patients done : 2D ECHO/CD: 8010
- ECG: EMS – 98262 / CVTC – 13,929
- CVTC OPD : New : 12,412 / Old : 25,201

Chest Medicine and Environmental Pollution Research Center

- With sustained efforts of Director (ME& MH), a new basic Ultrasound machine has been installed in April 2018. It has facility of doing basic ultrasound. Total 114 ultrasonography were done till 30 November 2018.
- It is useful for bedside ultrasound in intensive respiratory care unit as well as for various procedures in real time under guidance of ultrasound.
- Recorded ultrasound images and videos can be used for post graduate training & research purpose too.

Departmental Profile

- The Department of Chest Medicine & EPRC provides quality care regarding diagnostic services and treatment facilities for pulmonary disorders. Community outreach initiative by E.P.R.C. team aims at analyzing cause & effect relationship to facilitate remedial measures to protect lung health.
- The Department has a 5-bedded Intensive Care Unit, 3 bedded step-down care facilities with a total of 30-bedded indoor facility. The department also has a bronchoscopy suite and a sleep laboratory (New Lab has been installed since June 2017). IRCU is equipped with bedside ultrasonography Machine. Treatment is offered to patients with various lung diseases like Bronchial Asthma, COPD, Interstitial Lung Diseases, Pneumonias & diffuse parenchymal lung diseases etc. Besides this various patient of sleep disorders and respiratory failure are successfully managed in the IRCU. The availability of BiPAP machine with ventilators having non-invasive ventilation mode has enabled us to successfully manage COPD exacerbations.
- The department also provides various diagnostic facilities like Lung Functions, Diffusion studies, arterial blood gas study, diagnostic & therapeutic Bronchoscopies, Polysomnography, titration study & bedside ultrasound facility for intensive respiratory care patients and USG guided thoracentesis.
- Peripheral Hospital Linkages: Honorary services are provided by Faculty at GTB Hospital along with DOTS PLUS Services & RNTCP OPD at KEM.

Bedaquiline Conditional Access Programme

- Bedaquiline is the new anti-TB drug for Drug Resistant TB. The Central TB Division, has started Bedaquiline Conditional Access Programme under supervision at six sites across the country including KEM site (at GTBH, Sewree) hospital in Mumbai.

Pre operative pulmonary risk assessment OPD

- The Department of Chest Medicine & EPRC has started a separate pre surgical pulmonary risk assessment OPD since January 2018 .
- It is being conducted on Monday, Wednesday and Thursday afternoon. Patients who require presurgical chest assessment are evaluated clinically for chest optimization and postoperative risk assessment.
- Total 997 patients were assessed for presurgical evaluation this year till November 2018.

Health education & community outreach service:

- The Environmental Pollution Research Centre (EPRC) team has been actively involved in assessment of respiratory morbidity due to air pollution. A community outreach-based approach by conducting respiratory morbidity health surveys in localities reporting health issues related to air pollution is undertaken.
- The Department of Chest Medicine & EPRC provides Asthma education service to patients, patient's relatives and primary care givers.
- Sessions to educate patients on asthma, its nature, symptoms, need for regular medications and compliance with treatment regimen. This year total of 1022 patients were educated. Asthma education helps in dispelling misconceptions

regarding the nature of illness and also is known to improve compliance rates besides improving home management skills in affected individuals.

Admissions for 2018

- The total number of admissions for year 2018 was 356 and 128 patients required Intensive respiratory care. (Ward was closed for renovation from November 2017 June 2018.) The Department of Chest Medicine has outpatients Chest clinics on bi weekly basis. The total number of new patients seen is 7142, while total numbers of follow-up patients were 19783.

OPD Patients	New Patient	Follow up patient
2018	7142	19783

Pulmonary Function Tests 2018	
FV Loop	2922
DLCO	14

Arterial blood gas laboratory:

- Total ABGs performed – 61,762.

Mortality rate:

- The total number of admissions is 356 and 128 patients required Intensive Care. The total number of deaths in 2018 was 09. The mortality rate is 2.52%. (01/12/2017 to 30/11/18)

Asthma Education

- The department of chest medicine has an *asthma education programme* for indoor and outdoor patients. Total of 1022 patients has been given asthma education.
- In addition, the EPRC team is also involved in creating asthma awareness and education of school children.
- The EPRC team carries out an annual respiratory morbidity survey. The details of these surveys are published in the Environmental Status Report. The environment pollution research Centre conducts regular surveys and health checkups in response to citizen complaints as well.

Special facilities for patients

- An integrated approach to the lung health of the patients rather than only their disease is what we believe in. On the first visit itself the patient is assessed by the physician, the physiotherapist, the dietician and the social worker when applicable.
- As most of the respiratory diseases are chronic conditions, educating the people about the disease, compliance with medications and appropriate usage of drug delivery devices are of utmost importance. The medical social workers of this department regularly educate the patients.
- Environment plays an important role in causality of respiratory cases, so the work and home environment of the patients' needs to be assessed in indicated cases. In special cases, a team comprising of a doctor, a social worker and a technician/scientific officer visits the patients' home/work environment to assess any environmental aspect acting as a trigger factor for respiratory ailments.
- Diagnostic & therapeutic bronchoscopy services are provided on round the clock basis, along with the expertise required for transbronchial, endobronchial mass biopsies, transbronchial needle aspiration & bronchoalveolar lavage.
- We also perform Fiberoptic bronchoscopy guided endotracheal intubations for patients with difficult or distorted airway anatomies in various operation theatres.
- Chest medicine department is equipped with bedside ultrasound machine. It is used to monitor fluid status in ICU patients as well as for performing various procedures under guidance.
- DOTS Plus services for treatment of MDR pulmonary patients has been started at Sewree T.B hospital since July 2010. Dr. Athavale is a member of the DOTS plus committee in Mumbai and Dr. V.S. Khatri is the co-coordinator for the services. Total 7067 drug resistant tuberculosis patients have been enrolled for treatment out of which 6357 are MDR, 710 are XDR & 177 patients have been enrolled for BDQ.
- The department also undertakes Therapeutic Broncho-Alveolar Lavage for patients of Pulmonary Alveolar Proteinosis under General Anesthesia in Thoracic surgery OT.
- Under Rajiv Gandhi Jivandayi Arogya Yojna (initiated by KEM Hospital in July 2012. It has been renamed as Mahatma Jyotiba Phule Jan Arogya Yojna since April 2017. Total 412 patients have benefited.

Bronchoscopy

- Bronchoscopy Suite

- We have procured a new video bronchoscope in with recording facility, which helps us record bronchoscopy procedures & stored images can be used for post graduate teaching.
- We also performed therapeutic Broncho-Alveolar Lavage (Lobar Lavage) for 1 patient of Pulmonary Alveolar Proteinosis in 2018.

New Services Added:

- Ultrasonography:
- New ultrasonography machine has been installed in IRCU since April 2018. It has facility of basic ultrasound.
- It is useful for bedside ultrasound in intensive respiratory care unit as well as for various procedures in real time under guidance of ultrasound.
- Recorded ultrasound images and videos can be used for post graduate training & research purpose too.
- Total 114 ultrasonography were performed till 30 November 2018.
- Dr. Biraris Pavankumar, Speciality Medical Officer, Pulmonary Medicine and staff from Radiology dept. imparted training to Resident medical officers on bedside USG in IRCU.
- We have established new sleep Laboratory in June 2017. It has facility for level 1 polysomnography. It can record sleep studies used for diagnosis and management of sleep apnoea, postgraduate teaching and clinical research. Total PSG done till date

Diagnostic PSG Study	10
CPAP Titration	4
Split Night Study	5
Total	19

New equipment/Furniture added:

- Ultrasound machine
- Electrocardiogram machine
- Video laryngoscope
- Computer trolley
- Shelf with iron locker.

Cardiovascular Thoracic Surgery (CVTS)

Out Patient Services

- Four Outpatient Clinics are conducted every week.
- Place : CVTC Building, Ground Floor (307)
- Days : Monday/Wednesday (Dr.DVK Unit)

Tuesday / Friday (Dr. UEJ Unit)

- Timing : 1.30 pm onwards
- New patients as well as follow-up patients are seen in the OPD. The follow up clinics are especially important for those who have undergone complex congenital heart surgeries valve replacement surgeries who need their anticoagulation management under supervision and congenital heart surgeries whose palliation has been done for evaluation for completion procedures. Till 30th November, around 2000 new cases were evaluated for various Cardiac Thoracic and Vascular ailments.

Operative Work Details

- Total Admissions: 642
- Total Surgeries: (Open – 421, Closed- 42, Emergency -12)

Clinical Pharmacology

- Therapeutic Drug Monitoring OPD

Total Patients seen	1317
Follow-up patient seen	528
New patients seen	789

- Drug wise patients who reported to the OPD

Name of the drugs	Total number of patients
Valproate	826

Name of the drugs	Total number of patients
Phenobarbitone	633
Phenytoin	361
Carbamazepine	301
Lamotrigine	23
Levetiracetam	158

- Malaria OPD

Total Number of Slides screened	5680
Total Positive	195
Total Number positive for <i>P.Vivax</i>	191
Total Number positive for <i>P.falciparum</i>	04
Total Number positive for mixed infections	00

- Lithium Data

Total number of patients	78
New patients	43
Old patients	35

- Pharmacogenetics OPD

- Total number of patients seen: 107

- ADR Reporting

- Total ADR reported: 890

Community Medicine

Services in KEM campus:

a. General OPD services:

Month	Male	Female	Total
December 17	3518	3310	6828
January 18	3951	3551	7502
February 18	3514	3305	6819
March 18	3849	3447	7296
April 18	3214	3110	6324
May 18	3350	3207	6557
June 18	2927	2571	5498
July 18	3138	2670	5808
August 18	2858	2400	5258
September 18	2857	2398	5255
October 18	2876	2428	5304
November 18	2856	2397	5253
Total	38908	34794	73702

Morbidity

Sr. No.		Male	Female	Total
1	Muscle skeleton	3785	4005	7790
2	Fever	8423	7975	16398
3	Headache	2123	2095	4218
4	ARI	3060	3269	6329
5	Chest pain	3960	3242	7202
6	AGE	568	562	1130
7	UTI	570	956	1526
8	Cough with Expect	1223	1436	2659
9	PS for MP	8823	8402	17225
10	Ref for Bl. Sugar	1596	1769	3365

Sr. No.		Male	Female	Total
11	Skin	625	701	1326
12	STI/RTI	116	100	216
13	ICTC referral	76	60	136
Total		34948	34572	69520

Laboratory Report

Investigation	No. of patients
Hb. – routine	31346
Blood group	226
ESR	16583
FBS/PLBS	22159
RBS	5229
Sputum for AFB Positive	329
Sputum for AFB Negative	2278
Urine pregnancy test	178

b. Immunisation OPD:

The national program for UIP is being implemented in our institute with following beneficiaries.

Vaccine beneficiaries

Vaccine	Male	Female	Total
BCG	2826	2591	5417
OPV 0	2826	2591	5417
DPT 1, DPT2, DPT 3/ OPV1, OPV2, OPV3	0,1,0,688,427,349	0,0,0,572,334,280	2650
HBV 1, HBV 2, HBV 3	0	0	0
Measles	255	217	472
MMR	212	180	392
DPT / OPV B1	214/214	178/178	392/392
DT / OPV B2	134/134	122/122	256/256

In addition, 2 rounds of National Pulse Polio immunisation on Sundays followed by a week of IPPI activities within the campus were conducted in the year of 2018.

GOPD

Universal Immunization Programme

VACCINATION	MALE		FEMALE		TOTAL
	< 1yr	> 1 yr	< 1yr	> 1 yr	
OPV 0	2826	-	2591	-	5417
BCG	2826	-	2591	-	5417
DPT1 + OPV 1	0+689	4+15	0+552	3+17	1280
DPT2 + OPV 2	0+428	4+1	0+334	5+1	773
DPT3 + OPV 3	0+349	1+1	0+281	0+0	632
HBV-0	2826	-	2591	-	5417
HBV1	0	0	0	0	0
HBV2	0	0	0	0	0
HBV3	0	0	0	0	0
MEASLES	255	-	217	-	472
BOOSTER1(DPT)	-	214	-	178	392
MMR	-	212	-	180	392
BOOSTER2(DT)	-	134	-	122	256
Inj. TT	-	-	-	-	-
Total	10,199	586	9157	506	20,448

c. Naigaon Geriatric OPD:

- General OPD (Geriatric Clinic) on every Wednesday & Friday.

In the year 2018 till date, 1509 patients were examined in the General OPD at Naigaon.

Total patients

Months	Old	New	Male	Female	Total
December 17	96	1	31	66	97
January 18	121	11	36	96	132
February	129	7	52	84	136
March 18	78	10	28	60	88
April 18	93	0	31	62	93
May 18	97	5	36	66	102
June 18	78	10	31	57	88
July 18	93	0	31	62	93
August 18	145	20	67	98	165
September 18	135	36	64	106	170
October 18	160	28	89	99	188
November 18	144	7	77	80	157
Total	1369	135	573	936	1509

9. Medical Social Worker:

OPD	Patients counseled
GOPD	321
POPD	1011
COPD	428
WBC	412
INH	68

No. of community visits: 16

- No. of child to child programme: Nil
- Monthly meetings of patients on DOTS: 523 (No. of pts attending)
- Referral: 68
- ANC patients at MMH: 200 (Health education)
- PNC clinic at MMH: 60 (Breast feeding education)
- Teaching at KEM
- UG teaching at KEM
- Family allotment activity
- Family study for UG students at Naigaon community
- Donation: Note books for chronic OPD patients and medicines.

d. Integrated Disease Surveillance Program:

- Daily Disease surveillance is done through IDSP established at KEM Hospital, PSM Dept. for patients with Acute Gastroenteritis, Leptospirosis, Dengue, Malaria and fever cases admitted in KEM Hospital. Epidemiological investigation in the field for these cases is carried out. The disease trend and high risk areas are identified and informed to Epidemiological cell (Kasturba hospital Mumbai) for required action. The death cases are thoroughly investigated. Health checks up camps are carried out in the vicinity of the outbreak areas by the PSM residents.

Disease Surveillance Report

Indoor Admission in KEM Hospital from 1st Dec 2017 to *24th Nov 2018												
Month	Fever	AGE	Lepto	Dengue		Malaria			Hepatitis		Enteric Fever	H1 N1
				ELISA	Rapid	P. Vivax	P. Faldi.	Mixed	A	E		
Dec	176	1	0	2	23	7	0	1	0	0	0	0
Jan	78	2	1	0	7	9	0	0	0	0	2	0
Feb	90	0	3	0	7	3	1	2	0	0	1	0
Mar	82	8	1	1	4	5	1	0	1	0	0	0
April	52	3	2	0	8	9	0	0	1	0	0	0
May	70	3	0	0	12	2	2	0	0	0	1	0

Indoor Admission in KEM Hospital from 1st Dec 2017 to *24th Nov 2018												
Month	Fever	AGE	Lepto	Dengue		Malaria			Hepatitis		Enteric Fever	H1 N1
				ELISA	Rapid	P. Vivax	P. Falc.	Mixed	A	E		
June	78	9	6	0	33	16	0	2	1	1	0	0
July	163	20	18	11	42	36	0	0	0	0	0	0
Aug	212	19	16	36	86	65	1	3	0	0	0	0
Sep	123	4	10	53	63	26	0	0	0	0	0	0
Oct	115	3	2	62	59	29	0	0	0	0	0	0
Nov	100	5	0	19	12	8	0	0	0	1	0	0
Total	1339	77	59	184	356	215	5	8	3	2	4	0

The total cases (disease under surveillance) admitted in KEM Hospital this year were **2252**

Services at Malvani Urban Health Centre:

- The old centre located at Malvani is proposed to be demolished and new multi-storied health centre will be constructed. The preventive, promotive services are now shifted to Maulana Azad Maternity Hospital at Malvani. Lions Club, Mumbai has initiated a collaborative project in Malvani for Geriatric health care.

Quantum of care:

General OPD:

	CHILDREN		ADULT	TOTAL
	0-5 Yrs	6- 12 Yrs		
MALE	4088	2954	9730	16772
FEMALE	3550	3122	15881	22553
TOTAL	7638	6076	25611	39325

Total OPD collection is Rs. 3,20,440 /- only

SPECIAL OPDs:

OPD		No. of patients
Dental		-
Psychiatry	New	224
	Follow up	1090
	Total	1314
Ophthalmology	Cataract surgery	-
	Optometry	-
	Total	-
Injections given		1145
Skin		4479

CHRONIC OPD

Disease	Male	Female	Total
Hypertension	416	1071	1487
Diabetes Mellitus	123	220	343
Bronchial Asthma	47	45	92
HT with DM	265	671	936
IHD	28	37	65
HTN with Asthma	3	4	7
Epilepsy	12	6	18
Others	0	155	155
Total	894	2209	3103

Revised National Tuberculosis Control Programme

CAT I = 252								CAT II=67								TOTAL		Total patients		
NSP		NSN		NEP		TOTAL		R		F		TAD		Other		Total				
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F
																				328

MDR=9

	M	F	Total
No. of children started on INH prophylaxis started in RNTCP OPD	42	25	67
No. of children given MT	4	5	9
No. of children found MT positive	-	-	-
No. of MT positive symptomatic children started on AKT	-	-	-

Special Activities/ NGO visits

MONTH	ACTIVITY	NO OF BENEFICIARIES
March	Women's day celebration at YUVA NGO Ambujwadi – March 8th 2018	28 females
April	World Health Day celebration – 11 th April 2018 at Malvani UHTC	40
	FGD – 17 TH April – i/v/o initiation of ART centre in Malvani UHTC in collaboration with MDACS / Triveni NGO for transgender.	30 participants.
May	Menstrual hygiene week celebration on 24 th May 2018 in collaboration with YUVA NGO- Awareness imparting session.	21 adolescent females.
	Menstrual hygiene week celebration on 25 th May 2018 Knowledge imparting session for SNEHA NGO volunteers.	42 SNEHA NGO volunteers.
June	Yoga Day on 21 st June at Malvani UHTC	60 participants.
July	Visit to Triveni Samaj Vikas Kendra	
	Visit to Aastha Parivar.	
August	World Breastfeeding week programme on 4 th Aug at Immunization OPD at Malvani Health post.	30 women.
	7 th Aug – World Breastfeeding week programme at Azmi nagar, Anganwadi centre under ICDS, Malad west.	40 women.
	30 th Aug – Sadbhavana day celebration with National High School. Tree plantation done.	
September	-	
October	1 st Oct – TB patients meeting for MDR TB at Malvani UHTC.	25 beneficiaries.
	30 th Oct – STD camp at Ambujwadi.	30 beneficiaries.
November	15 th Nov – World Diabetes Day celebration at Malvani UHTC. Skit was performed by residents & interns.	35 patients
	Poster making competition was arranged for MDR patients on 20 th Nov. Staff & Residents took part as well.	30 participants.
	Nov 22 nd – Visit to Triveni Samaj Vikas Kendra.	9 RMOs

Services at Rural Health Training Centre

As per MCI guidelines, the department of Preventive & Social Medicine has developed the 'Rural Health Training Centre' (R.H.T.C.) at Pise-Panjarapur Water Treatment Plant, Sakwar, Vasai Taluka, and Khadavli, Thane district.

The various curative, preventive, promotive and rehabilitative services provided to the population of nearby villages of the R.H.T.C.s for the year 2018 are as follows:

a. Pise-Panjarapur RHTC :

OPD Services:

Male	Female	Total Beneficiaries
1665	12	1677
Adult	Children	Total Beneficiaries
1677	0	1677

School Health Check-up Activities: Pise ZP school, Amne ZP school:

Male	Female	Total Beneficiaries
123	150	273

b. Sakwar RHTC :

OPD Services:

Male	Female	Total
12000	15100	37100
Adult	Children	Total
33995	3105	37100

- School health check up activities: Male – 915, Female - 820, Total Beneficiaries - 1735
- Immunisation sessions activities: Sessions – 15, Total beneficiaries – 270
- Anganwadi Health check up activities: Male – 380, Female – 500, Total beneficiaries – 880
- Geriatric health check up activities: Male – 730, Female - 760, Total Beneficiaries - 1490
- Health education sessions conducted: 40
- Maternal and child health activities:

	New	Old	Total
ANC	90	102	192
Paeds	1510	1810	3320

c. Khadavli RHTC:

General OPD:

Adult		Children		Total
Male	Female	Male	Female	
4425	5600	1800	1616	
10025		3417		13441

	Male	Female	Total
School Health check up	625	536	1161
Geriatric health check up	210	201	411
Anganwadi health check up	1991	1900	3891
	New	Old	Total
ANC Aarogyashastra activity (ANC)	300	264	564
ANC Aarogyashastraactivity (Pediatrics)	511	1900	2411

Immunization: Sessions: 270 Total Beneficiaries = 2410

Pulse Polio sessions – 4 Total Beneficiaries = 14,115

Dermatology, Venereology and Leprosy

- OPD patients per day-400-500
- Biopsies done per day-15-20
- New inpatients per week -10
- No of procedures per week- 100-150
- Department provides educational pamphlets for prevention of fungal infections for patients and their relatives in collaboration with preventive and social medicine department.
- Use of advanced surgical modalities like non cultured melanocyte transfer for treatment of stable vitiligo.
- Initiation of cosmetic dermatology services with various chemical peels, thread lift, and scar revision surgeries.
- Use of biologicals for treatment of patients with life threatening dermatological diseases.
- Lasers- IPL and Q switched Nd YAG for the treatment of disorders like hirsutism, acne scars, vascular lesions, facial rejuvenation.
- UVA, UVA1, UVB chambers for the treatment of Conditions like Vitiligo, Psoriasis, Mycosis Fungoides, Morphea, PLC.
- Photo patch test machine for the diagnosis of photo sensitive dermatitis.

- Treatment of Pemphigus Patients with Biologicals like Rituximab injection benefitting more than 100 patients with life threatening vesiculobullous disorders.

Dentistry

Total OPD patients - 10,606

Procedures done:

- Extractions - 2100
- Root canals – 85
- Restorative work (fillings) – 178
- FPDs – 60
- Dental Arch bar Wiring – 35
- Major and minor surgeries – 232

Endocrinology

Quantum of Patient Care

1. Indoor admission: 644 (01 January 2018 to 01 December 2018)
2. Outdoor patient: 60,105 (01 January 2018 to 01 December 2018)

	New Pts	Old Pts	Total
Diabetes	6949	32502	39451
Thyroid	5848	10173	16021
P&G No.	1476	3157	4633
Total :	14273	45832	60105

Indoor Admission – (01 January 2018 to 30 November 2018)

Month	Male	Female	M/C	F/C FF/C	Total
January	34	18	04	03	59
February	28	19	04	02	53
March	32	22	03	01	58
April	30	21	05	02	58
May	32	27	07	04	70
June	24	19	11	04	58
July	27	14	07	06	54
August	30	23	09	01	63
September	24	18	02	06	50
October	32	21	04	03	60
November	34	19	06	02	61
Total	327	221	62	34	644

Out Door Patient new –

Diabetes

Month	Male	Female	M/C	F/C	Total
January	307	347	02	--	656
February	242	314	06	01	563
March	309	366	07	02	684
April	250	371	01	02	624
May	289	322	04	03	618
June	274	381	03	02	660
July	286	399	03	02	690
August	270	311	04	0	585
September	266	334	01	02	603
October	314	353	06	03	676

Month	Male	Female	M/C	F/C	Total
November	257	328	03	02	590
Total	3064	3826	40	19	6949

Thyriod

Month	Male	Female	M/C	F/C	Total
January	44	401	04	01	450
February	43	470	02	05	520
March	52	435	04	05	496
April	48	474	09	05	536
May	77	400	08	05	490
June	71	515	01	05	592
July	61	482	04	04	551
August	86	596	05	04	691
Sep	51	429	04	06	490
October	58	467	06	06	537
November	80	407	04	04	495
Total	671	5076	51	50	5848

Puberty & Growth

Month	Male	Female	M/C	F/C	Total
January	32	52	13	07	104
February	34	53	07	11	105
March	72	81	09	11	173
April	43	63	05	09	120
May	51	64	09	14	138
June	71	71	18	08	168
July	33	49	10	09	101
August	47	66	11	09	133
September	63	93	19	16	191
October	34	55	13	06	108
November	44	63	14	14	135
Total	524	710	128	114	1476

Old Diabetes

Month	Male	Female	M/C	F/C	Total
January	1334	1288	----	----	2622
February	1711	1750	05	06	3472
March	1283	1430	06	06	2725
April	1015	1261	01	04	2281
May	1326	1404	20	08	2758
June	1338	1362	07	08	2715
July	1579	1576	05	02	3162
August	1465	1606	04	06	3081
September	1369	1448	04	05	2826
October	1745	1922	14	09	3690
November	1435	1727	04	04	3170
Total	15600	16774	70	58	32502

Old Thyroid –

Month	Male	Female	M/C	F/C	Total
January	72	704	02	01	779
February	70	848	03	01	922

Month	Male	Female	M/C	F/C	Total
March	72	939	03	01	1015
April	55	785	01	01	842
May	104	781	01	---	886
June	103	919	07	05	1034
July	94	668	05	02	769
August	122	890	07	01	1020
September	125	825	11	03	964
October	97	903	03	06	1009
November	124	803	03	03	933
Total	1038	9065	46	24	10173

Old Puberty & Growth –

Month	Male	Female	M/C	F/C	Total
January	132	155	03	06	296
February	62	94	15	27	198
March	116	185	30	31	362
April	110	103	16	21	250
May	104	168	21	23	316
June	121	162	14	21	318
July	108	120	16	20	264
August	100	141	26	29	296
September	95	123	17	11	246
October	109	135	26	25	295
November	115	147	16	38	316
Total	1172	1533	200	252	3157

ENT

- Total inpatients admission – 2136
- Total surgical procedures – 2124
- Total New out patients – 25037
- New facilities provided
 1. 3D Endoscopy system
 2. Narrow Band Imaging
 3. Lumenis CO2 LASER

Camps

- Created awareness on early identification and intervention of deafness, noise pollution, benefits of cochlear Implants, and side effects of using cellular phone through media.
- School camps organized by Education Department, Government of Maharashtra

Forensic Medicine

Overall highlight of patient care services

1. Estimation of age of 59 persons (till date) including sportsperson & others status. Consultation to surgery & medicine wards regarding the injury certificates in admitted cases.
2. Expert opinions given on different Antemortem Cases Like: Sexual Assaults, Violent Asphyxias, Poisoning Cases,
3. Forensic Odontology Expert Opinion given on cases of Sexual Assault, identification of unknown & Age assessment

Total Ante-mortem cases -283(till date)

New services added & new facilities provided

- Training & Teaching BAMS Students at KEM Hospital.
- Training & Teaching BPMT Students at KEM Hospital.
- Training & Teaching Forensic Nursing Students at KEM Hospital.

- Resource Faculty at Fellowship in Forensic Odontology at Indian Dental Association,
- Resource Faculty at Fellowship in Forensic Odontology at D Y Patil Dental College
- Resource Faculty at Fellowship in Forensic Odontology at Indian Board of Forensic Odontology, Maulana Azad Institute of Dental Science, Delhi

Gastroenterology

The Gastroenterology O.P.D. is conducted four times a week on Monday, Wednesday, Friday Special Care Liver and Saturday morning.

Number of patients seen

O.P.D. Patients	
New patients	6800
Follow up patients	14879
Indoor Patients	
Admitted to Gastroenterology wards (32A & 41)	1443
Referred patients (Indoor)	
Procedures	
Diagnostic	
Upper GI Scopy	6500
Colonoscopy	2366
E.R.C.P.	670
Proctoscopy	1200
Liver Biopsy	92
EUS procedures	510
Therapeutic Procedures	
1. Esophageal Variceal Sclerotherapy	110
2. Esophageal Variceal Band / Loop Ligation	1100
3. Endoscopic clipping for bleeding lesions/ polyps	57
4. Esophageal Dilatation	280
5. Esophageal Prosthesis Placement	10
6. Gastric varices with glue	165
7. Bleeding Ulcer Injection	316
8. EUS therapeutic Biopsy	120
9. POEM	0
10. Argon Plasma Coagulation	70
11. Endoscopic biliary sphincterotomy	564
12. Endoscopic pancreatic sphincterotomy and drainage	55
13. Pancreatic cyst drainage	12
14. Polypectomy	80
15. Foreign Body removal	120
16. Percutaneous endoscopic gastrostomy	16
17. Rectal Stricture Dilatation	34

- Special Procedures
 - Endoscopies in children are done under general anesthesia: 263

Special Investigations

- Esophageal Manometry was done in 137 patients.
- Anorectal manometry: 157 Antroduodenal – 0, pH metry: 14
- Timed Barium swallow- 35 HBT- 11
- Thromboelastogram (TEG) - 35
- Special services for patients: 24-h emergency service, especially for patients with GI bleeds, pancreatitis, cholangitis and liver disease complications

Hematology

- The Hematology Department at the KEM Hospital is one of the largest in Mumbai. In this dept we treat both benign and malignant adult and pediatric patients. We treat patients with hematological disorders not only from Mumbai but also from all over the country. In a year, we usually see about 12000 – 13000 patients on an outpatient basis and about 1000 – 1500 in hospital patients. This year we have seen around 25000 patients in OPD basis and 14000 patients in day care along with 662 in patients.
- The Department of Hematology runs an outpatient clinic three times a week on Mondays and Thursdays from 9.30 to 1.30 and on Wednesday on 11th floor from 9.30 to 12.30 for follow up of CML and Aplastic anemia patients. During this period new patients are examined and investigated. Follow-up investigations of the old patients are also done. Patients are referred from other municipal hospitals such as Cooper, Bandra Bhabha Hospital, V.N. Desai, & M.G.M Hospital. Moreover, patients are referred to the Department from all over Maharashtra and adjoining states. Patients requiring indoor admissions are admitted to Ward 42 on the 10th floor, New Multistory Building. We have a emergency service for bleeding disorder and hematological malignancies patients.

Hematology day care Centre

- New Hematology day care has been renovated on the 11th floor new multistory building. Centre has been developed with the funding from the Natco trust. They have spent for the renovation, furniture and staff in the day care. The department runs a day care for patients to be given treatment on a day care basis. The patients of Thalassemia major are given blood transfusions on a day care basis, regularly, every two to three weeks, as required. Patients of aplastic anemia, MDS and other bone marrow failure syndromes are treated with blood and platelet transfusions as and when required.
- Patients of various hematological malignancies such as Leukemias, lymphomas, Myeloma etc requiring chemotherapy intravenous and intrathecal are given in day care schedule. All patients with bleeding disorders of coagulation e.g. hemophilia or platelet disorders are also treated with blood products or factor concentrates as needed. Parents are trained for giving intravenous injections for their children. Home therapy given and records are maintained in day care.
- With the help **Cuddles Foundation** we have a dedicated nutritionist trained in cancer nutrition works in hematology dept and this foundation provides nutrition supplement and ration to pediatric cancer patients. We have also started RUTF nutrition supplement programme for paediatric patients
- **Cankids organization** has started their support programme in the department of hematology their Medical social worker and counselor counsel and help the patient regarding the chemotherapy, financial assistance, helping to get accommodation and other patient needs.

In Patient Service

- Beds: Total - 28 [Allotted].
- Place: Ward 42, 10th Floor, East Wing, M S Building, K.E.M Hospital Campus, Parel, Mumbai - PIN 400 012.

Indoor Service: Ward 42

Year of 2017		
Month	Admission	Death
January	60	1
February	48	4
March	59	5
April	48	2
May	50	5
June	59	5
July	62	7
August	70	3
September	64	2
October	54	1
November	57	1
Dec till date	13	02
Total	662	40

Day Care: Hematology day care has been started on 11th floor since 1.5 yrs

- The department runs a day care, for patients to be given treatment on a day care basis.
- This includes patients of:
- Thalessemia for blood transfusions,
- Bone marrow failure syndromes for blood & platelet transfusion
- Hemophilia's & other coagulation disorders for factor treatment and physical therapy
- Platelet disorders for transfusions
- Leukemias & lymphomas for chemotherapy
- Other hematological disorders

Number of patients treated in Day care

Month	No. of Patients
January	1194
February	1051
March	1255
April	1051
May	1311
June	1312
July	1336
August	1454
September	1382
October	1429
November	1708
Dec till date	728
Total	15211

Number of OPD patients

Number of OPD patients	New patients	Old patients	Total
January	346	856	1202
February	335	905	1240
March	389	952	1341
April	369	974	1343
May	308	895	1203
June	302	844	1146
July	340	937	1277
August	413	1013	1426
September	303	763	1066
October	394	968	1362
November	395	908	1303
Total	3894	10015	13909

- Various Tests such as 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 2018 is as follows: -

Month	HB	Retic	TC/DC	ESR	Plt.C	BMA
January	1521	390	1521	10	1521	109
February	1352	473	1352	4	1352	88
March	1518	423	1518	3	1518	81
April	1435	383	1435	1	1435	124
May	1538	395	1538	2	1538	98
June	1469	420	1469	6	1469	124
July	1426	413	1426	4	1426	104

Month	HB	Retic	TC/DC	ESR	Plt.C	BMA
August	1565	457	1565	-	1565	118
September	1565	457	1565	-	-	88
October	1611	401	1611	-	1611	98
November	1441	252	1441	6	1441	85
Total	16411	4464	16411	36	14846	1117

Month	PT	APTT
January	70	20
February	49	16
March	81	38
April	57	27
May	94	66
June	81	48
July	84	57
August	74	47
September	77	60
October	143	110
November	101	86
Total	911	575

Medicine

- Care of critically ill patients like complicated tropical illnesses e.g. malaria, leptospirosis, dengue, septicemia, poisoning, fever & acute lung injury/ ARDS needing ventilator therapy. We also manage obstetric & gynecological patients presenting with medical emergencies as also post vascular & neuroradiology interventions.
- MICU has managed critically ill residents and interns of KEM Hospital who had dengue fever and acute febrile illnesses.
- MICU PATIENT CARE:

The content should reflect the quality and quantum of patients care:

Total 16 ventilators - to provided noninvasive & invasive mechanical ventilation to Acute lung injury/ ARDS/ Respiratory/ depression/ Cardio respiratory failure patients.

Number of patients on ventilator approximately- 450.

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

Plasmapheresis:

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

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

New facilities provided:

- Interactive MICU daily rounds with faculty from microbiology department including Assist Prof. Senior resident.
- This helps analyze infection patterns, identify culprit organisms and their resistant pattern.
- Interactive rounds with faculty of physiotherapy department especially for proper Chest PT, Respiratory muscle, strengthening exercises.
- 10 Multipara Monitors & 2 USG & 2D Echo Machine for Critically ill patients.
- 1ECG 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

- In 2018, the department successfully renewed **NABL accreditation** as per ISO 15189:2012 for all the tests carried out

in its divisions of Bacteriology, Mycobacteriology, Mycology, Parasitology, Serology and Virology and Immunology valid for a period of two years. The department successfully cleared EQAS for bacteriology, serology, virology and CD4 count administered by IAMM / NARI, and mycology administered by Mycology Ref Lab, PGI, and Chandigarh. The department coordinated 3500 doses of Hepatitis B vaccination in an attempt to get all students and HCWs protected against Hep B. The process is ongoing.

1. Patient care –

Clinical microbiology services are provided by different divisions of the Microbiology Department. Emergency laboratory services are available after routine hours.

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

Section	Workload
Bacteriology including Emergency laboratory	
• Samples processed	74600
• Antibiotic susceptibility tests	57000
• BACTEC	1500
• Vitek rapid ID and ABS	205
Total	131305
Virology	
• HIV serology	44649
• HBV serology	39563
• HCV serology	34938
• RPR	4168
• CD4 count	9553
• Viral Load (HIV)	3572
• Viral Load (HBV)	353
• Viral load (HCV)	97
Total	136893
Serology including Emergency laboratory	
• Leptospirosis	33510
• Dengue	60185
• Widal	2470
• Others	5934
Total	124332
Mycobacteriology	
• Microscopy – LED fluorescence (pulmonary)	18000
• Microscopy – LED fluorescence (extra-pulmonary)	1700
• GeneXpert	9000
Total	28700
Mycology	3818
Parasitology	
• Stool examination (routine)	8357
• Stool for opportunistic parasites	54
• Malaria Antigen Test(including emergency lab)	18792
Total	27203

Neonatology

- Neonatal Intensive Care Unit : 42 bedded

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

- **Inborn Unit:** Neonates born in K.E.M. Hospital are managed in this unit.
- **Inborn - Outborn Unit:** Neonates in K.E.M. hospital at risk of infection and neonates transferred from other municipal or private hospitals are managed here.
- **Transitional Care Unit:** This section renders transitional convalescent care to neonates once the
- Acute stage of disease is managed in intensive care units. The babies who do not require close and

- Continuous monitoring are looked after here.
- **Ventilation Unit:** The babies requiring advanced ventilatory care are closely monitored and managed here.
- **Human Milk Bank:** Human milk bank is an institution established for the purpose of collecting, screening processing, storing & distributing donated human milk that is dispensed to recipients who are not the biological off springs of the donor mother.
- **Kangaroo Mother Care Center:** The department is selected as the center of excellence in India for initiating Kangaroo Mother Care for Low Birth Weight babies. **Kangaroo Mother Care Center is the first & the only of its kind in the country.** Neonates, recipients of KMC, are regularly followed up here for growth, nutritional status, neuromotor, neuro developmental & neurosensory assessment & early intervention therapy is instituted whenever required.
- **Quantum of patient care: (Up to November 2018):**

Total number of babies born	6409
Total number of LBW babies	2256
Total number of NICU admissions	1749
Total number of KMC recipients	836

Nephrology

Nephrology Department provide outdoor, indoor emergency care for patient suffering from renal diseases. Facilities available are clinical nephrology, dialysis, transplantation and laboratory.

- Department of Nephrology runs indoor services as well as outdoor services, dialysis and transplant etc.
- Department has done 16 live related donor transplant and 5 deceased donor transplant
- 1 year graft and patients survival 100%.
- Only center to perform 24x7/365 days emergency haemodialysis provides services to HIV/HbsAg/HCV positive patients. Total number of dialysis performed in last year - 21.
- 16 Live donor Kidney transplant and 5 Deceased donor kidney transplant. Total number of kidney transplants crossed the figure of 700.
- Successful functioning of CAPD Clinic, Lupus Nephritis Clinic, Haemodialysis Clinic

Total No of OPD patients	Old – 17095 New – 3578
Indoor patients	1196
Referred patients	10957
Kidney biopsies	176
Haemodialysis performed	6875
Kidney transplants	21

Test done in A.K.D. Lab From Jan.2018 to Dec. 2018

Complete Blood Count	18145
Urine Routine & Microscopic	15976
24 hrs. urinary protein	9564
Urine Creatinine	859
Urine Culture	3897
Sensitivity Extended	94
Misc. Culture	30
Sensitivity	14
Blood Culture	432
Sensitivity extended	52
HCV	621
Australia Antigen (Elisa) HbsAg	621
Urine Osmolality	586
Serum Osmolality	557
Urine PH	119
Stool routine	54

Biochemistry from Jan. 2018 to Dec. 2018

BUN	18965
Creatinine	18965
Total Protein	7876
SGOT/AST	12423
SGPT/ALT	12654
Na+/Sodium	17126
K+/Potassium	16126
Cl-/Chloride	17126
Phosphorous	17233
Alkaline Phosphatase	9806
Uric acid	12612
Glucose	2954
Total Bilirubin	580
Direct	580
Albumin	16908
Calcium	16476

Neurology**I. In the year -2018**

- Routine VEEG -1063
- Ictal VEEG-194
- Electromyography & Nerve Conduction study (EMG/NCS)- 620

II. Epilepsy Surgery

- Surgeries conducted in 2018. Ecog Guided (E COG) - 23. Non Ecog Guided (Non –ECOG) -7
- Epilepsy surgery OPD for New and follow-up of patients who undergo pre-surgical work-up that are already operated. It is a combined effort from Neurology, Neurosurgery, Neuropsychology and Psychiatry Dept, to streamline the services of Comprehensive Epilepsy Center.
- Neuropsychology -230 neuropsychological evaluations for Epilepsy Surgery and other neurological conditions including evaluations for fitness.

III. OPD Services

- Pre-operative & post-surgery counseling and guidance for Epilepsy patient.
- Neurology New -5867 patients per year
- Neurology Old- 9417patients per year
- Epilepsy New- 2084patients in the year
- Epilepsy Old -15193 patients in the year
- Pediatric Epilepsy New- 2084 patients in the year
- Pediatric Epilepsy Old -15193 patients in the year
- Indoor Services -795 patients

IV. Stroke Center

- 30 Patients thrombolysed in 2018 .There is coordination with Neurosurgery for Mechanical Thrombectomy for Acute Stroke.

V. Movement Disorder Clinic

- Dr.Pankaj Agarwal has recently joined as a honorary visiting Specialist in Movement Disorder. Weekly Botox therapy given to Selected Patients.

Neurosurgery

- Approximately 2000 operations were done, of which 450 operations were done for head trauma in the general surgery operation theatre and 1600 surgeries were performed in the neurosurgery operation theatre.
- Video EEG and neuropsychological assessments are available for evaluation of epilepsy patients.
- Digital subtraction angiograms and endovascular neurointerventional procedures are being performed. Carotid stenting, coiling and flow diversion of aneurysms and treatment of cranial and spinal arteriovenous malformations is being

routinely done.

- Awake craniotomies and intra-operative monitoring techniques are now available and being performed routinely.

Nuclear Medicine

- Many new PET/CT based investigations and gamma camera based investigation such as TRODAT scan started.
- Starting PET/CT based investigations
- Starting Lu-177 based therapies for neuroendocrine tumours

Obstetrics and Gynecology

Innovations: (data till 18.12.2018)

- Parulekar SV: Extraperitoneal approach for myomectomy.

Total patient care:

- Total No. of confinements: 5869
- Total major surgeries (Obstetric OT): 2811
- Total minor surgeries (Obstetric OT): 1135
- Total major surgeries (Gynecology OT): 537
- Total minor surgeries (Gynecology OT): 89

Occupational Therapy

Workload:

Workload	Outpatient Dept	In Patient Care
Patients	29362	10322
Visits	117448	41288

Ophthalmology

- Retina clinic – Tuesday, Thursday, Friday
- Surgeries performed – 67
- Paediatric and squint clinic – Wednesday and Thursday
- Surgeries performed – 60
- Glaucoma clinic – Monday to Saturday
- Surgeries performed – 32
- Oculoplasty clinic – Tuesday
- Surgeries performed – 17
- Cornea clinic – Monday to Saturdays
- Surgeries performed – 166

Orthopedics

Services Offered

- Complex traumatology
- Spine surgery
- Arthroplasty
- Arthroscopy & Sports Medicine
- Ilizarov & limb deformity correction
- Paediatric Orthopaedics
- Orthopaedic Oncology
- Shoulder & Elbow subspecialty services
- Hand surgery

Operating Rooms

Three theatre complexes:

- Routine Orthopaedic Operation Theatre: Two theatre rooms (both with laminar flow). Renovated and renamed as Joint replacement Routine Orthopaedic Centre Operation Theatre. (JROCOT)

- Joint Replacement & Spine Surgery Theatre: Total renovated State of the art is exclusively for Joint Replacement & spine surgery theatre. Renamed as Spine & Routine Operation Theatre (SROT)
- Orthopaedic Trauma Services Theatre: (OTST) Two operating rooms located in the Emergency Medicine Services Complex.

Services

- Daily OPD [New Patients 8:30-1:00, Follow-up Patients 1:30-4:30]
- 24 hr emergency services [OTST in EMS complex]

Location

- 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
- E-mail : ortho.hod.sks@gmail.com

Pathology

- Up gradation & Automation of the Emergency Medical Laboratory Services in Pathology, Surgical Pathology & Cytology, Cardiovascular Pathology, Hematology & Clinical Pathology, Neuropathology & Out Patient Department of laboratory for better services and timely delivery of reports.
- Department of Pathology has regular meetings with clinical departments (Endocrinology, Gastroenterology, Nephrology, Cardiac Surgery, Chest Medicine etc) for discussion on problem related and interesting cases, to further knowledge and better patient care.
- Expansion of Immunohistochemistry for Tumor typing with addition of more antibodies
- Continuing participation in External Quality control program for hematology, histopathology with AIIMS, lipid and enzyme biochemistry with CMC Vellore and Randox Laboratories, UK, and cytopathology with Tata Memorial Hospital.
- Automation of urine examination using urine analyser started

The Department of Pathology has the largest number of laboratory services rendered to patients.

Annual Workload

Investigations done in various Lab	Total
Total Collections (biochem etc)	306343
BT/ CT	954
CBC ESR	732782
Urine	61461
Fluids	11229
CSF	2163
ABG	29793
PT	52691
FNAC + other cyto (BAL etc)	4828
Frozen sections	973
Surgical Pathology (total Cases)	12587
Blocks	48469
Slides	71829
Autopsy	556
Blocks	11055
Slides	12743
Immunolgy	16879
Biochem (lipids, enzymes etc)	24468
Enzymes (amylase, ADA, CPK, LDH etc)	10656

Pediatric Surgery

- We have completed 115 cases of 3-D laparoscopy till date.

- Department procured HOLMIUM YAG LASER SYSTEM .
- Total admissions – 1427
- Total no of Surgeries – 1390
- Major surgeries – 557
- Minimal access surgeries – 240
- Minor surgeries – 593

Pediatrics

Table: Annual Patient Quantum in Various Clinical Services in Department of Pediatrics, Seth G.S. Medical College & KEM Hospital.

Patient Services	2018 (1 st January 2018 to 15 th November 2018)
General Pediatric OPD	25846
Indoor Admissions	5755
EMS Attendance	26778
PICU Admissions	365
Under Five Clinic	4543
Pediatric Rheumatology Clinic	77
Pediatric Nephrology Clinic	55
Pediatric Chest Clinic	544 (48)
Genetic Clinic	593 (472)
School Clinic	1238
Thalassemia day care centre admissions	1633
Pediatric Epilepsy Clinic	1864 (68)
Learning Disabilities Clinic	672 (454*)
Note: Figures in parenthesis indicate new patients; *Certified/ Evaluated	

Pharmacology and Therapeutics

- *OPD services:* The Ayurveda Research Centre of the Department of Pharmacology & Therapeutics runs an OPD on Friday afternoon. Total patients registered from 1st January 2018 to 31st December 2018 were 2664.
- *Admissions:* in Ayurveda ward were done for detailed assessment of patients, Panchkarma and other therapeutic procedures. Total number of indoor admissions from 1st January 2018 to 31st December 2018 were 1489.
- *Monitoring for Quality of Ayurvedic Formulations:* A total of 17 Ayurvedic formulations were analyzed for synthetic steroids and of these 09 were found to contain synthetic steroids.

Physiology

- Students are trained for better quality patient care

Physiotherapy

Acute care and Physiotherapy for prevention, restoration and maximizing function are provided by P.T. School & Centre in the form of specialty Physical Therapy patient care in following areas :

Speciality	Services – OPD	Services-Indoor
Musculoskeletal Physiotherapy	• Assesment of movement dysfunction	All orthopaedic wards Plastic surgery
	• Trauma and Pain Management	
	• Musculoskeletal Degenerative conditions	
	• Motor Control retraining for movement dysfunctions	
	• Rehabilitation with strength and endurance training	
	• Postural control and balance training with therapeutic exercise on Swiss Ball	
	• Neuro dynamics and Manual Therapy for musculoskeletal conditions	
	• Brachial Plexus and Hand Rehabilitation	
	• Joint Protection for Rheumatoid disorder	
	• Sports Physical Therapy	
	• Post arthroplasty Rehabilitation	
	• Job Analysis and prevention of injury	
	• Ergonomic Advice & Patient education	

Plastic Surgery

- **Round the clock Emergency Services** are provided involving Maxillofacial injuries, Hand injuries, Skin cover for upper & lower limbs, Replantation & Revascularization of limbs and digits; Acute burns in adult females
- **Besides Routine Plastic Surgery**, the dept. specializes in cleft lip and palate, complex vascular malformations of head, face & limbs, T. M. joint ankylosis, lymphedema, skin tumors, management of absent vagina and intersex related problems, micro vascular surgery etc.
- Joint Clinics : Hand, Maxillofacial Surgery, Brachial Plexus, Intersex.

Workload

Year	2018
Indoor patients - Plastic surgery	940
Indoor patients – Burns	130
O.P.D. Patients	8253
Casualty Reference	9742
Routine operations	1426
Emergency operations	5016
TOTAL OPERATIONS	6442
Referrals from other departments	2469

Special Services for Patients : Comprehensive hand clinic, Thursday 2.30 pm
 Maxillofacial - Mondays, Ward 16, 2.30pm
 Breast Clinic – OPD Friday, 11 a.m. – 1 p.m.

Special facilities for patients : Occupational Therapy services exclusively for our dept.

Psychiatry

- A Drug treatment centre –for Opioid Dependent patients is run at the Deaddiction centre daily. The clinic is aimed at providing substitution therapy for patients with Opioid dependence. This is a part of DTC Scheme, Ministry of Health and Family Welfare, Govt. of India

B HITGUJ Mental Health helpline

- HITGUJ Mental Health helpline is set up by MCGM in response to growing acute stress level in people of Mumbai city. Life is increasingly becoming complex, people are facing stiff competition from every sector, from studies to getting job, employees have to work late, parents work hard to put their children in best school, take loans to buy better apartment, conflicts among different generation, lifestyle related health issues etc. Since everybody is busy pursuing their dreams, even less people are available to have a friendly and long chat. Hitguj is not only accessed in Mumbai but also by Maharashtra and all over India. A few calls also have been received from Indians living abroad. This helpline is manned by 10 counselors and one manager. It is open 24x7 and deals with issues such as worrying, anxiety, depression, sleep problems, social problems, substance abuse, abnormal symptoms, sexual issues etc. Counseling is done on phone and if the problem needs more attention the caller is referred to nearby hospital.
- Total calls on helpline till date-27526
- Total no. of calls at helpline for the period of January 2018 to December 2018 was 6718
- 31st May 2018: World No Tobacco Day
- Awareness programme for indoor patients and poster exhibition.
- Street plays were done by residents in OPD registration foyer at KEM and in OC building foyer for awareness about nicotine addiction.
- **26th June 2018: World Deaddiction Day**
 - Poster Exhibition was organized at Deaddiction Centre. Street plays were done by residents in OPD registration foyer at KEM and in OC building foyer for awareness about Deaddiction. Posters displaying problems of substance use were put up. Patients coming to Orthopedic OPD, Physiotherapy, Occupational Therapy and Deaddiction centre benefited from the same.
- **Awareness lectures on substance use for schools and colleges**
 - Awareness lectures on substance use “Say No to Drugs” were conducted in schools and colleges around KEM Hospital by the faculty members of the department in collaboration with the Anti Narcotic Cell of Mumbai Police, over a span of two weeks.

- **World suicide prevention day- 10th September**
 - Awareness lectures by faculty taken for MBBS students in Dept of Community Medicine.
- **World Geriatric Day – 1st October, 2018** Poster exhibition and Guest lecture for caregivers on “ How to deal with Dementia”
- **Mental Health Week: 4th to 10th Oct 2018**
 - The department of psychiatry KEM hospital had organized the following programmes for creating Mental Health Awareness in the community as a part of its celebrations of the Mental Health Week from 4th to 10th Oct, 2018.

04/10/2018	Painting Competition Children, attending Child Guidance Clinic
05/10/2017	<ul style="list-style-type: none"> • Yuwa Pariwarta Lecture • Poster exhibition in Outpatient Building • Awareness Programme at Gender Resource Centre
06/10/2017	<ul style="list-style-type: none"> • Poster exhibition in OC Building at Deaddiction Centre • Skit by Nursing Students of School of Nursing at KEM hospital
08/10/2017	Panel Discussion on Youth and Mental Health: Dr Anjali Chhabria, Dr Manjusha Patwardhan, Dr. Chetana Duggal, Dr. S.R. Parkar, Dr. Shilpa Adarkar
09/10/2017	Lecture at Somaia Hospital by Dr Parkar
10/10/2017	<ul style="list-style-type: none"> • Poster exhibition in New Building
Lecture at KEM Nursing School by Dr Behere	

Radiology

In the year 2018, the Dept. of Radiology has performed following number of scans:

Modality	Number of scans performed	
CT	32,198	
MRI	6,857	
USG	33,802	
Barium	1149	
IVP	773	
Mammography	460	
Interventional Radiology	2650	
X-ray		Number of patients
	General X-rays	1,07,009
	OC building	53,228
	CVTC	13,667
	EMS Xray	72,134
	Total	2,46,038
Grand total	3,21,868	

Social Services

- Counselling, donations & rehabilitation of patients. Total no. of patients counselled by CDO's -23,956
- In collaboration with NGO Nareindas Morabai Budhrani Trust Counselling services by trained CDO's and psychologists. Financial support for Hematology & Chemotherapy patients and Breast OPD cancer patients.

Surgery [General Surgery]

- Department runs 8 General Surgery OPD and one special breast services clinic OPD

Surgical Gastroenterology

New Services Added

1. Special Liver Transplant OPD started on every Monday afternoon.
2. Conduct GI OPD every alternate Wednesday at Govandi Shatabdi Hospita from 10.00 am to 12.30pm.

Month	OPD (NEW)	OPD (OLD)	IPD
January	148	194	88
February	132	218	76
March	125	153	55
April	146	231	80
May	123	169	78
June	133	162	73
July	140	219	74
August	190	223	81
September	130	165	70
October	121	191	89
November	113	180	88
December	66	92	59
TOTAL	1567	2197	911

Spectrum of Surgery:

Name of surgery	Nos.
Esophagectomy for Ca Esophagus	7
Esophago-coloplasty for Corrosive stricture	3
Cervical Esophagostomy with Dilatation for Corrosive stricture	11
Esophageal dilatation	32
Radical Gastrectomy for Ca Stomach	15
Gastrojejunostomy for Palliation in Ca Stomach	7
Feeding Jejunostomy for Ca Stomach	17
Whipples Surgery for Ca Pancreas	35
Triple Bypass for Inoperable Ca Pancreas	2
Extended Freys Surgery for Chronic Pancreatitis	24
Cysto Jejunostomy for Pseudo-cyst of Pancreas	5
External drainage of Pseudo-cyst of Pancreas	1
Pancreatic Necrosectomy	9
Hepatic Resection	17
Extended Cholecystectomy for Ca Gall Bladder	8
Open Cholecystectomy	11
Hepatico-Docho-Jejunostomy with Hepp-Counaid technique for Bile duct Injury	21
PSR Shunt surgery for PHT	09
Devascularization Surgery for PHT	2
Open Splenectomy	10
Surgery for GIST	7
Total Proctocolectomy with Ileo-Pouch Anal anastomosis using double stapling technique for Ulcerative Colitis	19
Low Anterior resection using double stapling technique	15
Extended Right Hemicolectomy	7
Haemorrhoidectomy	2
Sigmoid Colectomy	14
Colostomy Closure	14
Small Bowel Surgery	28
Ileostomy Closure	17
Lap Cholecystectomy	403
Lap Splenectomy	27
Lap Total Colectomy	7
Lap Right Colectomy	9
Lap Left Colectomy	11

Name of surgery	Nos.
Lap Nissens Fundoplication for Hiatus Hernia	7
Lap Hellers Cardiomyotomy	18
Lap Appendicectomy	9
Lap Gastrectomy	0
Lap Adrenalectomy	1
Diagnostic Lap	24
Lap Bariatric Surgery	3
Total	978

Transfusion Medicine

- In addition to the routine services like grouping & crossmatching of 2 lakh Blood units per year, Transfusion Medicine provides Single Donor Platelets (prepared by plateletpheresis) to patients, particularly to those with hematological disorders, monsoon related illnesses and those undergoing cardiac surgery. Total 11362 units of Random Donor Platelets and more than 252 units of Single Donor Platelets (SDP) were issued to the patients.. The demand of 150-200 blood units per day for patients admitted in our hospital is fulfilled by about 200-220 blood donation camps in a year with over 36000 blood units collected annually.
- 25 Therapeutic Plasmapheresis procedures have been performed in the Department which is beneficial for patients of G.B. Syndrome, Polymyositis Myasthenia Gravis etc.
- 10 Peripheral Blood Stem Cell apheresis procedures have been performed in the Department for patients suffering from multiple myeloma, aplastic anemia and non Hodgkin's Lymphoma.
- FDA License No.954 Renewed from 01/01/2017 to 31/12/2021.

Urology

- The department caters to an average of 18114 out patients per year. Total indoor admissions per year are about 1452. About 2180 major and minor operations are carried out per year.
- Investigative Facilities offered by the department:
- **Ultrasonography:** Urology department has its ultrasound machine where scans of urological patients are done.
- **Urodynamic study machine:** Department of urology has purchased UDS machine from laborie Inc. This machine is used to study patients with bladder outflow obstruction, urinary incontinence and neurogenic bladder. The study is done daily in department of urology and has reduced the inconvenience caused to patients. Urodynamic Studies (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.
 - Uro-endoscopy
 - RGP/PCN
 - Drug Trials: Prior to the release of drugs in India, pharmaceutical companies carry out clinical trials of drugs in hospitals to determine their efficacy. Our department has carried out and is currently carrying out such trials involving many urological drugs.
- KEM Hospital Urology department has a state of art Dornier Lithotripter (to break kidney stones without surgery). This is amongst the best such machine in India. It caters to a total of 560 new patients per year. The Old machine has been scraped and a new Dornier delta 3 machine has been installed.
- Our department carries out live and cadaveric renal transplants regularly and is among the oldest institutes in India for kidney transplantation starting transplantation way back in 1965.
- PCCL (Percutaneous Cystolithotripsy) is a technique to remove large bladder stones by making a small hole in the skin using our newly devised PCCL single step access sheath. Using this method, open surgery for urinary bladder stone can be avoided. Our department offers this facility to our patients.
- Laparoscopy in urology is a new upcoming modality, which is being started in major urological departments in India. Our department too has started offering laparoscopic procedures to our patients. We perform laparoscopic ureterolithotomies, Lap. Nephrectomies etc. We have also procured Laparoscopy Trainer to train postgraduate students in basic Lap. Procedures before they perform them on patients. Ours is the only department in the whole state of

Maharashtra which has started and has been regularly performing laparoscopic donor Nephrectomy which is consider to be the most difficult and complex urological laparoscopic operation.

- We performed the first penile implant using shah's Indian penile prosthesis in Dec.09. Dr.Rupin Shah an Ex-student of K.E.M.Hospital, urology has devised this economical prosthesis costing Rs.8,000/- versus Rs.40,000/- for the imported variety.
- a. Patient Education Activities:
 - Medical Social Worker takes a lecture on organ donation during OPD timings. This is to increase awareness about organ donation.
 - Dietary advice about stone disease
 - Posters on BEP, Stone, Cancer
 - A new TV has been put up OPD no 13 which explains procedure in Urology in addition patients are given printed pamphlets to explain the various operation
- b. Computerization of IPD records:
 - All patients admitted to the ward are entered into the data base of the department and records are maintained on hard disk. New software has been purchase from Ahmadabad and has been modified to suit our setup.
 - All patients are given printed and laminated discharge paper and OPD records are also given in a Printed computerized sheath.
 - All OT records are maintained on the computer and the data can be retrieved immediately.

Workload of the Department (2018) Patient Workload

Year	O.P.D. Attendance							Indoor admissions	Referrals calls	
	Gen. Urology		Stone Clinic		Infertility		Total		Emergency Calls	
	New	Old	New	Old	New	Old			Indoor	Intra op.
2018 (till Nov.2018)	4113	5846	3521	3867	399	468	18214	1265	2523	43

Diagnostic Workload

Year	USG	Cystoscopy & Related Procedures	Uroflowmetry	Trust Guided Biopsy	UDS
2018 (till Nov.2018)	342	866	1422	134	155

Operative Workload

	2018 (till Nov.2018)
Open work 60 to 70% in operative work	265
Transplant – (LRDT + Cadaver)	
Endo-urology :	
VIU	52
TURP	94
Litholapaxy	85
URS	94
PCN	140
PCNL	248
PCCL	28
U plasty	39
TURBT	62
Laparoscopy	92
ESWL: Location	2018 (till Nov.2018)
Renal Stone	88
Ureteral Stone	86

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Physiology

Books

- Dr Munira Hirkani contributed a chapter “Postgraduate Seminar: Honing your teaching skills.” - In the book *Essential Skills for Postgraduates in Dentistry* by Sabita Ram, Richard Pereira.

Publication

- Mankar SM, Jagia GJ, Shenvi DN and Kaurani VG. Comparison of Physical Fitness and Maximal Aerobic Capacity- Pre and Post Staircase Climbing. *International Journal of Physiology* 2018; 6(3): 54-59.
- Patil Devendra, Patil Rima. Excess salt intake as a life style disorder. *International Journal of Scientific Research* 2018;7(10):79-80.
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- Sanyal Aritra, Nikam Lalit. Effect of Air Pollution on Peak Respiratory Flow in Taxi Drivers and Train Drivers Working in Mumbai. *International Journal of Scientific Research* 2018; 33-36
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Physiotherapy

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- Shailee Shah, Archana Gore. Assessment of healthy urban individuals of 60-70 years on Timed Up and Go Test. IJERHS 2018;4.
- Paranjape S, Ingole V. Prevalence of Back pain in Secondary School Students in an Urban Population: Cross-sectional Study. Cureus. 2018;10(7):3-8.
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Plastic Surgery

Book

- V Puri. Management of the burned face – Plastic Surgery: 4th ed. Volume 4: Lower Extremity, Trunk and Burns (Section 3). Published by Elsevier 2018.
- V Puri. Foot Burn reconstruction. Global reconstructive Surgery. Published by Elsevier 2018.

Journal

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- Agrawal K, Shrotriya R. Use of “tent-pole” graft for setting columella-lip angle in rhinoplasty. *Plast Aesthet Res* 2018;5:13.

Provisionally accepted

- *Shende N et al.*. First dorsal metacarpal artery flaps a workhorse for reconstruction of selected small defects of hand. Turkish Journal of plastic surgery.
- Shrotriya R *et al.*. Pressure bandaging for fingers using finger crepe: An economic and effective method: accepted for publication in J Clin Diagnos Research.
- Shrotriya R *et al.*. Restoring Hope: The Burn Unit, KEM Hospital. accepted for publication in Plastic and Aesthetic Research Journal.
- Shrotriya R *et al.*. Restoring Hope: The Burn Unit, KEM Hospital. accepted for publication in Plastic and Aesthetic Research Journal.
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Psychiatry

- M Murthy, A Nayak. A study of Neuropsychological profile of human immunodeficiency virus – positive children and adolescents on antiretroviral therapy Indian Journal of Psychiatry 2018;60 (1):114-120.
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- School Refusal Behavior in Indian Children: Analysis of Clinical Profile, Psychopathology and Development of a Best-Fit Risk Assessment Model Ajita Nayak, Bijal Sangoi, Hrishikesh Nachane. The Indian Journal of Pediatrics 2018;85(12):1073-1078.
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- R Bhamre, S Sawraw, S Adarkar, S Bhatia. Psychiatric co morbidities in patients with inflammatory bowel disease. *Indian Journal of Gastroenterology* 2018;37(4).
- M Murthy, A Nayak, Joshi MK, Ninawe K.A. A study of Neuropsychological profile of human immunodeficiency virus – positive children and adolescents on antiretroviral therapy *Indian Journal of Psychiatry* 2018;60(1):114-120.
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Radiology

- Muranjan M, Karande S, Sankhe S. Childhood cerebral X- linked adrenoleukodystrophy with atypical neuroimaging abnormalities and novel mutation *JPGM* 2018.

Surgery [General Surgery]

- Patel MS, Padghane C, Kulkarni VM. Perianal and rectal injury due to unusual foreign body – bell. *Int. Surg. J* 2018; 5:1124-6.
- MS Patel, V Shetty, A Shelake, AA Deshpande. Early presentation of ruptured post-traumatic hepatic artery pseudoaneurysm. *J Postgrad Med.* 2018 Oct-Dec; 64(4): 250-252.
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- Vinayak Nikam, Aparna Deshpande, Iti Chandorkar, Siddharth Sahoo. A prospective study of efficacy and safety of rubber band ligation in the treatment of Grade II and III hemorrhoids – a western Indian experience. *Journal of Coloproctology.* 2018, 38(3); 189-193.
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Transfusion Medicine

- Dr. Jayashree Sharma contributed a chapter on "Non-Infectious Complications of Blood Transfusion for the Text Book on "Laboratory and Clinical Transfusion Medicine" Published by Nova publishers.
- Dr. Bhagwat SN, "Holding your hand" (A poem) *Indian Journal of Medical Ethics* (published online on 23/06/2018).

Urology

Publication

- Patil BP, Sarode SR, Shelke U, Patwardhan S. Study of Factors affecting Outcomes of Arteriovenous Fistula *International Journal of Education and Research in Health Sciences* 2018;1(2):3-5.
- Kamath S U, P Bhushan, Patwardhan S K. Postpartum Page Kidney Secondary to HELLP Syndrome. *Journal of Clinical and Diagnostic Research* 2018; 12:5-6
- Patwardhan SK, Patil BP, Shelke UR, Singh AG. An overview of serum prostatic surface antigen cut points for recommendation of prostatic biopsy. *Urol Ann.* 2018;10(1):65-70.
- Pamecha Y, Shelke U, Patil B, Patwardhan S, Kini S. Use of ileum for complex ureteric reconstruction: Assessment of long-term outcome, complications and impact on renal function. *Urol Ann.* 2018;10(4):369-374.

- Emphysematous cystitis with bladder rupture in a non-diabetic patient: Case Report, journal of clinical diagnosis and research

Provisionally accepted

- Patwardhan S *et al.* Evaluating predictors of mortality in patients with emphysematous pyelonephritis and highlighting differences between diabetic and non- diabetic emphysematous pyelonephritis. Saudi Journal of Kidney Disease and Transplant Disease.
- Patwardhan S *et al.* Spontaneous VVF due to genito urinary tuberculosis: case report, journal of clinical diagnosis and research” Urol Ann.

Research

Research

Anatomy

- A study of anatomy of median nerve in cadavers.
- A study of gross anatomy and computed tomographic angiograms of renal arteries.
- A morphological and morphometric study of dry adult human scapulae.
- A morphological and morphometric study of dry adult human mandibles.
- A study of parameters of hip joint in cadavers in the western region of India.
- A morphological study of brachial artery.
- A morphological study of pronator quadratus.
- A morphological and morphometrical study of psoas minor.
- A morphological study of quadriceps tendon and patellar ligament.
- A morphological and morphometrical study of menisci.
- A morphometric study of deep and superficial inguinal rings.
- A new method of preparing dry bones from embalmed cadavers.
- Perceptions of undergraduate students on e-learning.
- Effectiveness of audio-visual demonstration of dissection in the understanding of Anatomy.
- A study of Arcuate line of rectus sheath.
- A study of coronary arteries.

Anesthesia

- Correlation of perfusion index with the changes in blood pressure following spinal anaesthesia.
- Predicting successful brachial plexus block using pulse oximeter perfusion index – prospective observational study.
- Comparison of atracurium and cis-atracurium in anaesthesia for laproscopic surgeries.
- A prospective observational study to determine arterial to end tidal carbon dioxide partial pressure difference during supine, sitting, prone and lateral positions in neurosurgical patients.
- To study awareness during total intravenous anaesthesia (TIVA) with and without the use of Bispectral index (BIS) monitoring: A prospective, observational study.
- A prospective observational study “To evaluate the relationship between oxygen reserve index (ORI) with arterial partial pressure of oxygen (PaO₂) and arterial oxygen saturation (SaO₂).”
- A cross sectional study to study the relationship between patients’ anthropometric indices and depth of spinal needle insertion.
- Descriptive analytical study to find out the relation between anthropometric indices and haemodynamic changes after laryngoscopy and endotracheal intubation.
- Role of anterior neck soft tissue quantifications by ultrasound in predicting difficult endotracheal intubations.
- Comparison of the insertion success rate of the laryngeal tubes and proseal laryngeal mask airway in anaesthetized patients by anaesthesia residents.
- A prospective, randomised open label study for comparison of the incidence and severity of post-operative sore throat (POST) using C-MAC video laryngoscope and traditional Macintosh laryngoscope for intubation.
- C-MAC video laryngoscopy versus direct laryngoscopy for adult patients undergoing elective laparoscopic cholecystectomy –A prospective randomised study.
- Rationality of the practice of ordering routine pre-operative investigations in a tertiary care centre.
- A prospective audit of operating room time utilization and cancellation of elective cases in a tertiary care teaching hospital.
- A Randomised prospective study to evaluate the effect of Dexmedetomidine infusion v/s Fentanyl infusion on minimum alveolar concentration of Desflurane in patients undergoing supratentorial neurosurgeries.
- Evaluation of the HEMOCUE for blood loss estimation in patients undergoing neurosurgical procedures.
- A prospective single blinded randomized control study to compare endotracheal intubation using C blade and D blade of C-MAC video laryngoscope in patients undergoing elective cervical spine surgery.

- Prospective observational study comparison of development of performance skills for ultrasound guided regional anesthesia in novices subjected to audio visual presentation versus novices subjected to both audio-visual presentation and simulation model.
- Prospective observational study comparison of development of performance skills for fiberoptic bronchoscopy in novices subjected to audio visual presentation versus novices subjected to both audio-visual presentation and “CHOOSE THE HOLE” model.
- Prospective observational comparative study between the ultrasound guided transverse and longitudinal technique for the identification of the cricothyroid membrane in obese and overweight patients.
- Critical incidents in orthopaedic anesthesia in a tertiary care hospital: a prospective and retrospective study.
- Anaesthesia management in revision total hip joint replacement surgeries: An audit.
- Relationship between pre-operative anxiety and onset and duration of spinal anaesthesia.
- Current practices and perception on perioperative temperature monitoring and regulation.
- Comparison of anaesthetic consumption and awareness using bispectral index and entropy as anaesthetic depth monitors- single blinded randomised control trial.
- Awareness of scope of anesthesia amongst residents and interns in a medical institute.
- Assessment of intraoperative blood transfusion practices during elective surgeries in a tertiary care hospital.
- Comparison of the diagnostic value of FRONT score in combination with modified mallampatti classification for prediction of difficult laryngoscopy and intubation- A prospective study.
- Current understanding and perception of pre-anaesthesia check-up among patient.
- prospective randomized comparative study between four techniques of insertion of nasogastric tube in anaesthetized, intubated patients.
- ultrasound based assessment of tongue thickness for prediction of difficult laryngoscopy and difficult intubation- a prospective study.
- Comparison of addition of dexmedetomidine to sevoflurane or desflurane for Fastrack anesthesia in spine surgeries.
- A prospective randomized control study to compare hemodynamic effects between low dose bupivacaine and mini dose bupivacaine in spinal anesthesia for surgical repair of hip fracture in the elderly.
- prospective observational analysis of laryngo trachea bronchial foreign body removal under general anaesthesia.
- Randomised controlled study of effects of music therapy in relieving pain and anxiety in the patients undergoing elective caesarean sections.
- Prospective analysis of intraoperative critical incidents relevant to anaesthesia in a teaching hospital.
- Prospective analysis of anaesthesia management of patients undergoing surgery for resection of pheochromocytoma- Audit in tertiary care hospital.
- 3)Prospective analysis of Anaesthesia management of patients undergoing deformity correction surgery of spine –audit in tertiary care hospital.
- 1)A prospective randomized study to compare the ease of intubation and success using Macintosh laryngoscope and AIRTRAQ in patients with anticipated difficult airway.
- 2)prospective randomized interventional comparative study to know the feasibility and efficacy of patients with and without ERAS protocol in urological surgeries under regional anaesthesia.
- 3)prospective audit of preoperative assessment and airway management practices in patients undergoing thyroid surgery.
- A prospective study for assessment of proseal LMA versus standard endotracheal extubation technique for attenuation of pressor response.
- Comparative study to attenuate hemodynamic response to skull pin head holder application during craniotomy using intravenous dexmedetomidine versus local infiltration with mixture of lignocaine and bupivacaine.
- A prospective study comparing IV Esmolol and IV Dexmedetomidine for attenuating haemodynamic response to endotracheal extubation.
- Prospective observational study of caesarean section in tertiary care hospital for maternal and fetal outcome after anesthesia related complications in obstetric operation theater.
- Prospective observational study of perioperative airway related complications in CV junction
- Prospective observational study of use of Airvo 2 in airway assessment cases.
- A prospective randomized crossover study for comparison of macintosh blade, Macoy blade, CMAC blade, CMAC-D blade in an easy and difficult airway by experienced anaesthetist: a mannequin study.
- Prospective observational study to assess chronic post-surgical pain after inguinal hernia surgery.

- A prospective single blinded randomized controlled study to compare the ease of endotracheal intubation with C MAC video laryngoscope using bougie versus stylet in patients undergoing cervical spine surgery.
- Prospective observational study of airway management of maxillofacial trauma in tertiary care centre
- An observational study to assess incidence and factors affecting post-operative nausea vomiting in laparoscopic cholecystectomy.
- Comparison of trainee anaesthesiologists perception about patients anxiety and fear about anaesthesia vs patient's own perception- Cross sectional questionnaire-based analysis.
- Pre and post training questionnaire-based assessment of knowledge about basic life support and advanced cardiac life support among the first year post graduate residents of Surgery, Gynecology and Anaesthesia.
- A randomized prospective single blind study- comparison of ultrasound guided versus blind transversus abdominis block (tap) in gynaecological abdominal surgeries for post-operative analgesia in tertiary care centre.

Biochemistry and Clinical Nutrition

- Biochemical parameters in HIV-TB coinfection
- Characterization and assessment of anti-cancer activity of Indian honey
- Predictive values of biochemical markers in cardiovascular disorders and renal diseases
- Role of cardiac and inflammatory markers and their inter-relationships in cardiac disorders
- Validation of a point-of-care testing device and biochemical-haematological evaluations in renal diseases
- Validation of a point-of-care testing device and biochemical-haematological evaluations in diabetic patients
- Educational project on 'Notion of social obligation by faculty of an Indian Medical School'.
- Collaboration with IIT Bombay, Haffkine Institute, NIRRH

Cardiac Anesthesia

- Use of High flow nasal oxygenation vs CPAP in post cardiac surgery patients
- Effect of Etomidate in pediatric cardiac surgery
- TEE placement.
- Analysis of Mitral Valve with TEE

Cardiology

- A Randomized, Double-blind, Placebo-controlled, Parallel-group, Multicenter Study to Demonstrate the Effects of Sotagliflozin on Cardiovascular and Renal Events in Patients with Type 2 Diabetes, Cardiovascular Risk Factors and Moderately Impaired Renal Function
- A Multi-center, Randomized, Double-blind, Active-controlled, Parallel-group Phase 3 Study to Evaluate the Efficacy and Safety of LCZ696 Compared to Ramipril on Morbidity and Mortality in High Risk Patients Following an AMI
- Semaglutide Effects on Cardiovascular Outcomes in People with Overweight or Obesity

Chest Medicine and Environmental Pollution Research Center

- Retrospective study of profile of lung functions in people exposed to biomass fuel attending tertiary care hospital.
- A retrospective assessment of proportion of cases of pre-diabetes and diabetes in microbiologically proven pulmonary tuberculosis.
- Retrospective study of lung functions in geriatric population more than 60 years attending tertiary care hospital.
- Retrospective study quantifying the sleep architecture in different grades of sleep apnoea according to AHI.
- Comparative study of serial pulmonary functions in patients with asthma, Chronic Obstructive Pulmonary Disease & Asthma Chronic Obstructive Pulmonary Disease overlap.
- Prevalence of smoking in sputum smear positive Pulmonary Tuberculosis.
- To study prevalence of allergic bronchopulmonary aspergillosis in Bronchial Asthma.
- Study of use of Non-Invasive Ventilation in patients of Acute exacerbations of Chronic Obstructive Pulmonary Disease.
- Retrospective study to compare the yield of GeneXpert results versus Mycobacterial Tuberculosis liquid culture results in suspected Tubercular lymphadenopathy.
- Bacterial Spectrum of sputum of Chronic Obstructive Pulmonary Disease patients in acute exacerbation admitted in a tertiary care centre.
- Correlation of severity of bronchial asthma with serum IgE levels.

- Retrospective study to compare the yield of pleural fluid GeneXpert versus pleural fluid liquid culture for the diagnosis of Tuberculosis pleural effusion in tertiary care hospital.
- National environmental health profile – multicentre study (Ministry of environment forest & Climate change)
- Assessment of respiratory morbidity due to environmental exposure to Volatile Organic Compounds -in collaboration with NEERI.
- Assessing the prevalence in osteoporosis and various risk factors associated with reduced bone mineral density in patients suffering from Chronic Obstructive Pulmonary Disease using DEXA scan.
- To study the changes in serial lung functions in patients with Interstitial Lung Disease.
- To assess the prevalence of Asthma COPD overlap syndrome in a tertiary care Out Patient Department.
- To analyse pH of exhaled breath condensate and correlate pH of EBC to severity of Interstitial Lung Disease.

Clinical Pharmacology

- Analysis of drug lag for new molecular entities approval in India relative to approvals in US, EU and Japan.
- An Audit of safety reporting in randomized controlled trials over a five-year period in one high impact journal.
- CYP2C9, CYP2C19 and VKORC1 genetic polymorphism in Indian Population. A retrospective analysis.
- Association of CYP3A5 Polymorphism with trough levels of Tacrolimus and graft outcomes in Indian renal transplant recipients.
- Evaluation of Genetic polymorphism of CYP3A5 in normal healthy participants of Western India- a cross sectional study.
- Oral Health Complaints seen in pregnant women visiting the department of dentistry of a tertiary care hospital in Mumbai, India.
- Evaluation of recruitment and retention of participants in clinical studies conducted at a tertiary referral center – a five-year audit.
- An audit of interim analyses of Randomized Controlled Trials [RCTs] Published in three high impact medical journals over a four-year period.
- Quantitative proteomic evaluation of Chikungunya antibody positive participants compared to age and sex matched healthy controls in a tertiary care hospital of Western India.
- Effect of CNS stimulant and CNS depressant on healthy volunteers using computer-based tests on the Mindomatics™ software – Validation Study.
- An audit of Laboratory Parameters to assess nature and extent of screen failures and to determine the reference ranges for Indian participants presenting at a clinical trial site.
- Determination of laboratory reference intervals in healthy Indian adults at an academic centre.
- Pharmacoeconomic study for cost effectiveness of genotyping in patients on warfarin therapy with respect to prevention of bleeding episodes.
- Association of genetic polymorphisms of cytochrome P450 C19, ABCB1, P2Y12 and response to the clopidogrel.
- A study comparing published protocols and/or trial registry entries with published papers from two high impact factor journals.
- A Case-Control study to assess the prevalence and association of different Paraoxonase 1 (PON-1) polymorphisms and its activity with Coronary Artery Disease (CAD).
- Assessment of modulation of activity of Paraoxonase-1 (PON-1) by statins in patients requiring statin therapy.
- Estimation of prevalence of mutation in Artemisinin drug resistance associated with Pvk12 gene in Plasmodium vivax malaria parasite isolate in a tertiary care centre.
- Pharmacogenetic Landscape of CYP2C9 & CYP2C19 polymorphisms in India: A Systematic Review.
- Analysis of Phase I clinical trials registered in clinicaltrials.gov for ethical issues.
- Ethical Issues in clinical trials done on Healthy volunteers: Analysis of Phase I trials registered in CTRI.
- ICMR Advanced Center for Clinical Pharmacology for evaluating pharmacokinetic –pharmacodynamic relationships of anti-infectives.
- Phase-I open label dose-escalation clinical trial to evaluate the safety, tolerability and immunogenicity of Chikungunya vaccine in healthy adults of 18 to 50 years age.
- A single-arm, multicenter Phase IIIb clinical trial to evaluate the safety and tolerability of prophylactic Emicizumab in hemophilia A patients with inhibitors.

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.
- 'Assessment of exposure and effects of pesticides on health of general population' supported by ICMR and coordinated by PGI-Chandigarh.
- '3 T (Technology, Training and Task Transfer) study at Malavani UHC – supported by Tata Trusts.
- 'Gap Analysis under RMNCH+A programme at Bhivandi & Malegaon' – supported by UNICEF, Maharashtra.
- Assessment of high risk behavior amongst adolescents in a metro city.
- Clinical profile of acute febrile illness patients in tertiary care hospital in metro city.
- A cross sectional analytical study to estimate the proportion and ascertain risk factors for osteoarthritis knee among women above 45 years of age attending a tertiary care hospital.
- A case control study to ascertain risk factors for diabetic foot in population with type 2 diabetes mellitus.
- Evolving strategies for mainstreaming organ donation through Nss teachers
- Epidemiological factors on the mode of delivery in urban slum and rural areas.
- Post millennium development goal assessment of epidemiological determinants influencing maternal mortality in a metropolitan city.
- Study to assess extent of influence of epidemiological determinants on health status of 1-year old children.
- Platelet count as determinant influencing dengue mortality: An epidemiological cross-sectional study.
- Gender issues related to health among elderly in an urban slum area of a metropolitan city.
- Beneficiary perspectives of antenatal care: a comparison of private (cost based) and general (low cost) services.
- Health profile of residential adolescent girls in orphanage(s)_an epidemiological study.
- Strengthening the role of school teachers in screening of learning disability among school children.
- An observational study to assess the reflection of vipassana meditation on perception of "mindfulness" as a tool for health promotion amongst the beneficiaries of vm.
- A study of issues and challenges in delivery of supplementary nutritional services in rural block of integrated child development scheme.
- An epidemiological study of viral hepatitis among patients admitted in the metropolitan city.
- Assessment of missed opportunities in detection of oral health morbidities among patients attending tertiary health care centre.

Dermatology, Venereology and Leprosy

- A descriptive observational study of clinical features and dermoscopic pattern of childhood psoriasis.
- A descriptive observational cross-sectional study of Cutaneous manifestations of scleroderma.
- A comparative interventional prospective study of effect and recurrence rate in three treatment modalities of topical application of 50% TCA, 70% TCA and 100% TCA in clinically diagnosed cases of
- Skin image analysis software for diagnosis of chronic pruritic skin diseases.
- A cross-sectional study to correlate disease activity in clinically diagnosed cases of bullous pemphigoid with serum levels of autoantibodies against BP 180 and BP230.
- A descriptive observational cross-sectional study of the various deformities in the spectrum of leprosy.
- A descriptive cross-sectional observational study of dermoscopy of papulonodular non-melanocytic skin tumours over face.
- A descriptive single centre observational study of clinic-bacteriological spectrum of Pyoderma.
- A single descriptive observational cross-sectional study of cutaneous manifestations of overweight and obese children and adolescents.
- A Descriptive Observational cross- sectional study on dermoscopic features of Morphea.
- A Retrospective study of histopathological pattern observed in cases of oral lichen planus.
- Role of Dermoscopy in the diagnosis of axillary pigmentation.
- A Descriptive Observational Cross-sectional study of epidemiological & clinical factors of childhood vitiligo along with dermoscopic analysis.
- A Descriptive Observational, Cross-sectional study of Clinical and epidemiological aspects of Palmoplantar keratoderma and its effect on the quality of life.
- Dermoscopic findings of purpuric dermatoses: A descriptive, observational cross-sectional study.

- A Multicenter, Randomized, Double blind, Placebo-controlled, Phase 3 study to evaluate the efficacy and safety of Baricitinib in Adult patients with moderate to severe atopic dermatitis.
- A single centre descriptive observational cross-sectional study of cutaneous manifestations of systemic lupus erythematosus in a tertiary care centre.
- Skin image analysis software for the Diagnosis of Common Skin Diseases in cosmetic and Clinical Dermatology.

Dentistry

- Conducting a study “Oral health complaints seen in pregnant women visiting the Department of Dentistry in a Tertiary Care Hospital in Mumbai, India” along with the Department of Clinical Pharmacology.
- Completed a study “To assess the propensity of pregnant females to avoid dental treatment during pregnancy” along with Department of Gynaecology and Obstetrics.
- Completed a study “Hepatitis B vaccination status of dentists and their approach to Hepatitis B infected patients – a survey from Maharashtra” along with Department of Microbiology.
- Completed a study “Randomised, controlled equivalence study of authorized versus non-authorized deception in a model of pain following third molar extraction” along with Department of Clinical Pharmacology.

Endocrinology

- Comparison between a low dose maintenance treatment with anti-thyroid drugs versus standard protocol in patients with Grave's Disease.
- Genotype–Phenotype correlation of Asian Indian patients with Pheochromocytoma & Paraganglioma (PHEO & PGL).
- Prospective Study of Adrenal Masses - CT Imaging Features and their histopathological co-relation
- Sympathetic Paraganglioma: A Single Centre Experience from Western India.
- Predictors of Polar Vessel sign in Parathyroid Adenoma.
- Retrospective Study of Patients with Tumor Induced Osteomalacia involving head & Neck region and review of literature
- Retrospective study of Phenotypic and molecular characteristics in patients with 5 alpha- reductase Type 2 deficiency
- Assessment of gonadal function in male prolactinoma who are in remission: Single Centre experience
- Cross sectional study of bone mineral density and renal tubular function in postoperative cured patients of primary hyperparathyroid.
- Percentage Arterial Enhancement: An Objective Index for Accurate Identification of Parathyroid Lesions in Primary Hyperparathyroidism”
- Study of efficacy (and its predictors) of gonadotropin therapy in male IHH (Idiopathic Hypogonadotropic Hypogonadism) Patients.
- Prevalence of primary aldosteronism in patients with type 2 diabetes mellitus and hypertension: Prospective study from western India.
- A pilot randomized clinical study assessing the non- inferiority of calcium channel blockade over alpha blockade on hemodynamics stability in the management of Pheochromocytoma / Paraganglioma.
- PIONEER 6: Cardiovascular outcomes: A trial investigating the cardiovascular safety of oral Semaglutide in subjects with type 2 diabetes.
- Protocol I8B-MC-ITRN: A Prospective, Randomized, Double-Blind Comparison of LY900014 to Insulin Lispro, Both in Combination with Insulin Glargine or Insulin Degludec, in Adults with Type 2 Diabetes (PRONTO-T2D).
- Trial ID: NN9536-4374: Effect and safety of semaglutide 2.4 mg once-weekly in subjects with overweight or obesity and type 2 diabetes.
- ICMR National Project: To formulate Registry of people with Diabetes with Young Age at the Onset in Western India – ICMR.
- Changing Diabetes in Children (CDiC): “Type 1 diabetes in economically underprivileged children in India.” – NNEF.
- A lifestyle intervention program for the prevention of type 2 diabetes mellitus among South Asian women with gestational diabetes mellitus - CCDC/ICMR.
- A study on “Multiplexing of bone markers in an ELISA array and validation for the assessment of bone health” – NIRRH.

ENT

- Role of Narrow Band Imaging lesions of Oral cavity and its histopathological correlation.

- An observational analytical study of management of nasal deformities using closed rhinoplasty technique.
- An observational analytical study of LASER assisted management of oral benign lesions.
- Complications in active chronic otitis media (COM) and its management.
- An observational study of anatomical landmarks in patients undergoing revision endoscopic sinus surgery.
- Study of management of extensive thyroid cases.
- Study of cochlear implant in patients with anomalous cochlea.
- Application of tele bronchoscope in foreign body removal.
- An observational prospective and retrospective study of Spontaneous CSF rhinorrhea.
- Comparative study of conventional versus endoscopic tympanoplasty.
- An observational retrospective cum prospective study of FESS in pediatric population.
- Challenges in adult tracheostomy procedure.
- A study of conventional tonsillectomy and adenoidectomy versus Coablation assisted tonsillectomy and adenoidectomy.

Forensic Medicine

- Cardiac Causes of Mortality in cases of sudden death among individuals less than 40 years.
- A Study of Injuries to Neck Structures in cases of hanging with special ephasis on salivary glands changes.
- Medicolegal and Socio Demographic study of death due to burns at tertiary care centre

Gastroenterology

- Paracentesis induced circulatory dysfunction (PICD) in Patients with Budd Chiari syndrome
- FODMAP (Fermentable oligo-, Di-, Mono- saccharide and Polyol) content of foods in patients with IBS (Irritable Bowel Syndrome)
- Translation and Validation of Room IV Diagnostic questionnaire in two Indian languages.
- To demonstrate Esophageal Hypersensitivity with chemical thermal and mechanical noxious stimuli in patients with functional Heartburn in Indian
- Correlation Between Esophageal Histology. 24HR PH metry and high definition endoscopy in patient with refractory GERD.
- Cost of Treatment for Liver cirrhosis (CTP C) at Tertiary Care Level in Mumbai, India
- A Long-Term Extension Study to Evalute the Safety of Fileorinibin Subjects with Ulcerative Colitis and moderately to severely active crohn's disease
- Filgotinib in subjects with crohn's disease
- Remission in subjects with moderately to severely Active Ulcerative Colitis.

Hematology

- Role of low dose prophylaxis therapy in pediatrics hemophilic patients.
- Randomized, open label, multicenter phase III b study evaluating the Efficacy and safety of ruxolitinib versus best available therapy in patients with polycythemia Vera who are hydroxyurea resistant or intolerant.
- STASEY trial - Emicizumab in PWH
- Guardian 10 trial in Severe hemophilia A

In collaboration with ICMR

- "Micro particles versus thrombin generation assays as predictive tests for dosage adjustment of bypassing agents in hemophilia patients with inhibitors"
- Defining immunological markers for response to therapy in patients with aplastic anemia.
- Cytogenetic and molecular study of Myelodysplastic syndrome in Indian Population
- Telomerase activity and telomere gene mutations in aplastic anemia.

Medicine

- Study of clinical utility of inter-arm differences in simultaneous blood pressure measurements in newly diagnosed essential hypertensive subjects.
- Study of the clinical spectrum of leptospirosis, validation of the Modified Faine's criteria as a diagnostic tool and it's testing as a prognostic tool.

- Estimation of the cardiovascular risk in hypertensive patients using WHO/ ISH risk prediction charts in hypertensive patients.
- Twenty-four hours blood pressure monitoring in patients of stroke using ABPM machine.
- Twenty-four hours blood pressure monitoring in patients of Chronic Kidney Disease using ABPM machine.
- A Study of the Clinical Profile of Patients with Metabolic Syndrome (diagnosed as per revised NCEP: ATP III criteria) admitted in Medical Wards of Tertiary care Institute.
- Clinical profile of newly diagnosed young hypertensive patients and its correlation with ABPM parameters.
- Study of prevalence and clinical profile of patients with cirrhosis of Liver.
- Study of metabolic syndrome in newly admitted patients in medical wards.
- Clinical profile of patients presenting with Guillain-Barre syndrome in the medical ICU of a tertiary care hospital.
- Clinical profile and outcome of Influenza a H1N1 (swine flu) at tertiary care centre.
- Clinical Profile of Dengue Patients with Organ Involvement at Tertiary Care Hospital.
- Prevalence of ABPA in Obstructive airway disease
- Comparative review of insulin sensitivity score in tertiary health centre
- Study of homocysteine and vit b12 levels in young patients of thrombotic stroke.
- Study of clinical profile of patients developing Adverse drug reaction to Antitubercular drugs
- Study clinical profile of patients with polycythaemia.
- Study of clinical profile of patients with hyponatremia in MICU of tertiary care.
- Open label, randomized dose escalation phase II study in adult volunteers to evaluate safety and pharmacokinetics of human monoclonal antibodies to rabies in comparison to human immune globulin in conjunction with rabies vaccine.
- To study sympathetic modulation in patients with Systemic Inflammatory Response Syndrome (SIRS) and its co-relation with mortality.
- Role of NK Cells in Immunopathogenesis of Dengue Virus Infection.
- Study of hepatobiliary disease in pregnancy.
- Study of clinical profile of pregnant patient with thrombocytopenia requiring admission to Medical Intensive Care Unit of tertiary care hospital.
- Community Acquired Pneumonia in MICU.

Microbiology

- Prevalence of HIV, Hepatitis B, Hepatitis C, Syphilis, in patients attending STI/ RTI clinic of a Tertiary Care Centre in Mumbai.
- Comparison of Gastric lavage and Stool specimens in the diagnosis of Paediatric Pulmonary Tuberculosis- A pilot study.
- Additional testing to address false positive and false negative HIV cases.
- NeoAMR Global Neonatal Sepsis Observational Study (NeoOBS): a prospective cohort study of sepsis in hospitalized neonates.
- Pattern of antimicrobial resistance in *H. pylori* isolates in Mumbai.
- A prospective observational study on microbiological spectrum of bile aspirates in operated cases of cholecystectomy.
- Study of secondary bacterial infections in scabies cases of Mumbai with special reference to Microbiome study.
- Determination of disease specific epitopes to monitor disease activity in Rheumatoid factor (RF) / Rheumatic Heart Disease (RHD) in India.
- Hepatitis B vaccination status amongst dentists from state of Maharashtra.
- Challenges and solutions for implementing the 2016 Biomedical Waste Management rules issued by Ministry of Environment, Forest and Climate Change-A survey of hospitals in Maharashtra.
- Utility of Pulsed Field Gel Electrophoresis in Understanding the Epidemiology of Methicillin Resistant *Staphylococcus aureus* in a Tertiary Care Hospital.
- Candidemia in intensive care units with detection of biofilm production in candida isolates and their antifungal susceptibility pattern.
- Comparison of Xpert MTB/RIF, GenoType MTBDRplus Line Probe Assay and culture in diagnosing Pulmonary Tuberculosis using samples collected by Bronchoscopy.
- Biofilm forming Uropathogenic *Escherichia coli* and their antimicrobial susceptibility pattern.
- Blood stream infections in patients with haematological disorders in a tertiary care hospital.
- Temporal changes of bacterial profile in burns wound patients and risk factors.

- Antifungal susceptibility testing of dermatophytes isolated from clinical samples by broth microdilution method in a tertiary care hospital.
- Bacterial spectrum in patients with acute exacerbation of COPD (AE-COPD) and associated comorbidities.
- Microbial profile of liver abscess in patients attending surgery department at tertiary care centre.
- Oral swab as an alternative specimen for diagnosis of pulmonary tuberculosis.
- Incidence and bacteriological spectrum of ventilator associated pneumonia in adult intensive care unit patients.
- Faecal carriage of carbapenem resistant Enterobacteriaceae in a tertiary care teaching hospital.

Neonatology

- Prospective, multicentre multinational cohort study entitled “NeoAMR Global Neonatal Sepsis Observational Study (NeoOBS) in hospitalised neonates” in collaboration with AIIMS, Delhi, ICMR & Drugs for Neglected Diseases Initiative (DNDi), Switzerland.
- Fluid restriction for term infants with HIE following perinatal asphyxia: a RCT
- Correlation of superior mesenteric artery pulsatility index with time to reach full feeds in very low birth weight neonates.
- Is routine monitoring for hypoglycemia required in intramural asymptomatic infant of diabetic mother? A retrospective audit in tertiary care hospital.
- NeoAMR Global Sepsis Observational Study (NeoOBS): a prospective cohort study of sepsis in hospitalized neonates.
- Platelet distribution width: association with neonatal sepsis.
- Implementation of structured hand over in NICU: A QI study
- Quality initiative study to improve the breast-feeding rate while in KMC.
- Neonatal palliative care in India: current scenario
- Correlation of amplitude integrated EEG and early neurological outcome in newborns treated with therapeutic hypothermia for hypoxic ischemic encephalopathy: a retrospective audit.
- Cerebral function monitoring in high risk term neonates with neurological dysfunction: a prospective study.
- Assessment of stress in mothers of babies admitted to Neonatal Intensive Care Unit and the influence of maternal and infant characteristics on the stress levels.

Nephrology

- Association of CYP3A5 polymorphism with trough levels of tacrolimus and graft outcomes in Indian renal transplant recipients.
- Predictors of Outcome in patients with proliferative lupus nephritis.
- Safety and efficacy of Coversin in adult HUS patients. A phase 2 trial.
- CKD prevalence in Mumbai funded by ICMR.
- Clinical profile, antibiotic susceptibility and treatment outcome in Urinary Tract Infection due to (ESBL)Extended spectrum Beta Lactamase producing bacteria.
- Darbepoetin clinical Trial: CDP/02/07 A randomized, open label,
- Multicentre study to evaluate the efficacy and safety of Darbepoetin as compared to Erythropoietin in patients with anaemia of chronic kidney disease (CKD).
- Pattern of glomerular diseases at a tertiary care Centre.
- Nutrient intake and nutritional evaluation in various stages of CKD.
- AKI in cancer patients.
- Clinical profile and outcome in Membranous nephropathy.

Neurology

- An observational study to describe the clinical impact (seizure freedom for 12 months) of CLOBAZAM (Frisium) as an Adjunct therapy in patients who are not adequately stabilized with their anticonvulsant monotherapy”.

Neurosurgery

- Scientific evaluation of series of patients undergoing the surgical management of complex neurosurgical tumors and lesions were conducted.
- A number of innovative surgical techniques have been devised and evaluated.

Nuclear Medicine

- Role of Fluoride bone scan on evaluation of temporo-mandibular joint pathologies.
- Role of F-18 bone scan in evaluation of autologous bone graft for assessment of viability.
- Role of FDG PET scan for evaluation of focal cortical dysplasia in patients with drug refractory epilepsy.

Obstetrics and Gynecology

- Evaluation of Epidemiology, Pathology and Repair of Defects in Pelvic Floor
- Critical Analysis of Algorithmic Approach in Evaluation of Chronic Pelvic Pain
- A Comparison of Two Regimens of Nifedipine To Control Preterm Labour- A Prospective Observational Cohort Study
- A Comparison of Site-Specific and Conventional Repair of Cystocele – A Prospective Observational Cohort Study
- A study of pelvic and abdomino-pelvic cystic masses in women- an observational study
- To Study the Prevalence and Assessment of Risk Factors of Stress Urinary Incontinence in Gynaecology Out Patients in Tertiary Care Centre
- Observational study of various methods for second trimester MTP.
- Study of factors determining the route of hysterectomy and their correlation with decision making factors
- Clinical outcomes in women with cardiac disease with and without hypertensive disorders in pregnancy: a comparative prospective study.
- Comparison of obstetric outcome with use of two different standard doses of oxytocin for induction of labour.
- Correlation of clinical-laboratory-sonography parameters in patients of Gestational Diabetes Mellitus with Maternal and Foetal Outcome.
- An observational analysis of usage of antenatal ultrasonography and its determinants and the impact on pregnancy outcome.
- Caesarean scar defects: Histopathological comparative study of Caesarean and No Caesarean cases.
- Injuries and interventions in sexual assault cases in a comparative study in various age groups.
- Renal disease in Pregnancy - Maternal and Foetal outcome.
- The role of Hysteroscopy in infertility-Observational study at tertiary health care set up.
- Maternal obstetric trauma to the genital tract following vaginal delivery.
- Obstetrics outcome in surgically scarred uterus.
- Analysis of ICU admission for obstetric indication at a Tertiary care centre.
- Conservative surgeries in prolapse.
- Development and Validation of Software for Non-invasive Fetal Heart Rate Monitoring from Audio Recording of Fetal Heart Sounds and Its Comparison with Doppler Based Foetal Heart Rate Monitoring.
- Maternal and foetal outcome following assisted reproductive technology in a tertiary care centre- A retrospective study.
- Knowledge attitudes and practices of contraception among postpartum women.
- A study of amniotic fluid index and colour doppler evaluation of foetal cerebral umbilical pulsatility ratio and its usefulness in the diagnosis of intra uterine growth restriction & prediction of adverse perinatal outcomes.
- Vault prolapse and its management.
- Study of Acute pelvic pain in gynaecology.
- Cervical cytological changes in HIV positive females attending ART centre.
- Adherence to Anti-retroviral therapy in HIV positive women during pregnancy and post-partum period with reference to pill burden and comorbidities.
- Surgical Management of Mullerian Anomalies.
- Obstetric outcome in patients with neurological disorders.
- Correlation of clinical, radiological and histopathological finding adnexal masses.
- Evaluation of suspected cases of genital tuberculosis.
- Maternal and Foetal outcome in pregnancy complicated by liver disorders.
- Clinical audit of obstetric hysterectomy in a tertiary care centre an observational retrospective study
- Analysis of Acute Intrapartum Foetal Distress.

Occupational Therapy

- A Comparative Study of Performance Components in Right and Left-Brain Damaged Patients: Their Relation to Activities of Daily Living and Psychosocial Participation.

- Visual Perceptual Retraining in Patients with Acquired Brain Injury.
- Comparison Between Client Centered Therapy and Standard Exercise Therapy in Patients with Rheumatoid Arthritis: RCT.
- Correlation of Individual Joint Complex Impairment in Upper Extremity Musculoskeletal Injury with Functional Ability.
- Comparison Between Myofascial Taping and Myofascial Release as An Adjunct to Conventional Treatment Method in The Management of Dequervains Tenosynovitis: A Randomized Control Trial
- The Efficacy of Telemedicine in Delivering Occupational Therapy Services in An Early Intervention Programme in The Age Group Of 1-9 Months in The Civil Hospitals of Maharashtra.
- Effects of Core Muscle Strengthening on Occupational Performance in Patients with Patellofemoral Pain Syndrome.
- The Effect of Parent's/Caregiver's Education on Reduction Of "Screen time" In Children Between 1-2 Years of Age.
- Effect of Cognitive Training on Cognition and Quality of Life in Patients Diagnosed with Epilepsy.
- Effect of Motor Skills Practice in Bradykinesia in Patients with Parkinson's Disease.
- To Study the Effectiveness of Balance Training on Functional Independence in Guillain Barre's Syndrome (GBS).
- To Study the Effectiveness of Balance Training Exercise and PNF Exercise Versus Only Balance Training Exercise in Patients with Diabetic Peripheral Neuropathy.
- Immediate Effect of Diaper Change Activity with Individualized Developmental Care on Preterm Neonates Neurobehavior.
- Effectiveness of Parental Education Based on Neurobehavioral Cues and Its Impact on Preterm Infant Development.
- Compliance of Patients Provided with Need Based upper Extremity Adaptive Device -a Study on Indian Population.
- Efficacy of Therapy Ball Exercises Versus Exercises Along with Added Resistance Combined with Therapy Ball Exercises in Patients with Ankylosing Spondylitis.
- Effect of Scapular Muscles Strengthening in Patients with Lateral Epicondylitis.
- Epidemiological Study to Find Personal and Occupational Determinants for Musculoskeletal Disorders in Taxi Drivers of Mumbai.
- Effectiveness of Action Observation Training on Pain and Functional Performance in Patients with Total Knee Replacement.
- Comparative Study Between Eccentric Training and Concentric Training in Rotator Cuff Tendinopathy: A Randomized Control Trial
- Cognitive Abilities in Late Adulthood Age Groups.
- Effectiveness of Occupational Therapy in Patient with Stroke, Receiving and Not Receiving RTPA.
- Knowledge, Attitude and Practise of Child Care and Development Among Working and Non-working Parents in Nuclear Family.
- Efficacy of Parent-child Interaction Guidance in Children with Regulatory Disorder of Sensory Processing Between the Age Group Of 7 Months To 3 Years.
- The Effect of Selective Voluntary Motor Control Training on Gait and Adl Of Children with Spastic Cerebral Palsy.
- School Readiness in Children from Private and Government Preschools in Mumbai City: A Comparative Study.
- Compliance and Patient Perception of Jaipur Foot Prosthesis Among Below Knee Amputee Patients.
- Effectiveness of An Ergonomic Intervention Program in College Students Carrying Backpack in Metropolitan City, Mumbai.
- Effect of Client Centered Approach on Perceived Self-efficacy And Quality of Life in Administrative Office Workers with Chronic Pain.
- Effectiveness of Toe-out Gait Modification Pattern on Pain and Function in Patients with Knee Osteoarthritis.

Ophthalmology

- Study of optical coherence tomographic findings in high myopia.
- Study of visual outcomes in ocular trauma in paediatric age group.
- Evaluation of central macular thickness and visual outcome in uncomplicated cases of phacoemulsification cataract surgery.
- Evaluation of pattern and prevalence of refractive errors in children aged 3-17 years in Mumbai.
- Effect of intracameral adrenaline on blood pressure in hypertensive patients undergoing cataract surgery.
- Clinical profile of thyroid associated ophthalmopathy in patients with Graves' disease.
- Analysis of quality of life perceived by patients with low vision using a visual function questionnaire.

- Cross sectional study of prevalence of diabetic retinopathy in population older than 40 years age in a tertiary care centre.
- Evaluation of donor corneas in young donors (less than 40 years old) versus old donors (more than 40 years old) and their post-operative visual outcomes after 2 months of optical penetrating keratoplasty.

Orthopedics

- Clinicoadiological Association of Spine Tuberculosis.
- Analysis of outcome of reduction screws In C1-C2 subluxation or dislocation.
- Functional Outcome in operated cases of Ligamentum Flavum ossification.
- Functional Outcome in Surgically Managed patients of ossification of posterior Longitudinal Ligament of Cervical and Dorsal Spine During the Period March 2016-March 2019.
- Clinical Correlation of MR Neurography In Conservatively Managed Patient of Cervical and Lumbar Degenerative Disease
- Fate of Bone Graft Reconstruction of medial Tibial Condylar Bone Defect, Post TKR.
- Cost Effective TKR In Teaching Institute with Contemporary Outcome: A Comparative Analysis.
- Effect of Thickness of Polyethylene Insert Used on Tibial Component of Rotating Platform of Knee Design.
- Common Available Size of Medial Unicompartmental Knee-Femoral Component. Do They Fit Indian Bones?
- MRI Incidence Of supraspinatus & Infraspinatus Atrophy & Fatty Degeneration in Indian Population More Than 50 Years.
- Midterm Results of Dual Mobility at Mean 5 Years.
- Ct Morphometric Analysis of Medial Femoral Condyle in Indian Population in Context with Standard Sizes of UKA Implants.
- Functional Outcome in Treatment of Patellar Fracture by Combined Circlage And Tension Band Wiring Without Using K Wires
- Ct Morphometric Analysis Medial Tibial Condyle of Indian Population in Context with Standard Sizes of Unicondylar Knee Replacement Tibial Component.
- High Tibial Osteotomy Dona With Specially Designed 4 Osteotomes And Fixed by Locking Plat and Bone Grafting.
- Functional Outcome of Proximal Femur Nailing in Subtrochanteric Fractures of Femur.
- Comparative Outcome Between Staged and Sequenced Procedure in Bilateral Total Knee Replacement.
- Incidence of Osteopenia and Osteoporosis After Uncemented Total Hip Replacement.
- Radiological Assessment of Collapse in Cases Operated Distal End Radius Fractures Following Close Reduction And K- Wire Fixation.
- Analysis of Ventral Nerve Roots and Retroperitoneal Vessels in Minimally Invasive Lateral Retroperitoneal Transpsoas Approach: Morphometric and Cadaveric Study.
- Functional Outcome in Transcervical Neck of Femur Fracture After Bipolar Hemiarthroplasty.
- Clinical and Radiological Outcome of Fixation in Transcervical Neck of Femur Fracture.
- Study of Functional and Radiological Outcomes of Acetabular Fractures.
- The Effect of Long-Term Axial Loading of Neck-A Natural History Study in Dabbawalas Of Mumbai.
- Functional Outcome of Vascular Trauma Over Period Of 18 Months in A Tertiary Centre.
- Study of Association of Cervical Degenerative Spondylosis with Vertigo.
- Clinicoadiological And Functional Outcome of Multiligament Repair of Knee: A Retrospective Study
- Incidence and Prevalence of Biceps Pulley Lesion in Rotator Cuff Tear.
- To Find Out the Efficacy of Lumbar Transforaminal Epidural Injection in Case of Lumbar Herniated Disc with Radiculopathy.
- Clinical Correlation of MR Neurography In Pre And Post-Operative Cases of Lumbar Spine Degenerative Disease.

Pathology

- Liver biopsy changes in hepatitis B patients before and after therapy.
- Comparison of incidence of precursor and pre-invasive lesions of the gall bladder in patients operated for chronic cholecystitis and cholelithiasis in endemic and non-endemic regions in India.

Pediatric Anesthesia

- Accuracy of agent prediction tool of Drager Perseus A 500 anaesthesia workstation: A pilot observational study.

- Effect of preoperative education on anxiety in children undergoing day care surgery.
- Use of oxygen reserve index to assess two methods of rapid sequence induction in children: A pilot study.
- PI as a predictor of working paediatric caudal block
- Evaluation of Newborn Infant Parasympathetic Evaluation (NIPE) monitor as an indicator of nociception in paediatric patients undergoing surgery
- Influence of operator characteristics and different approaches on successful ultrasound guided central venous cannulation in paediatric patients.
- An Audit of Pediatric Regional Anesthesia in a tertiary Care Hospital.
- Use of high flow oxygen insufflation during laryngoscopy in children: a randomized clinical trial.

Pediatric Surgery

- A retrospective study to assess the clinical profile and utility of laparoscopy in children with nonpalpable testes.
- A Comparative study of role of Dartos flap versus Fibrin Glue for management of paediatric hypospadias'.
- Role of laparoscopy in the management of Disorders of sex development.
- Early experience of Three-dimensional (3 D) minimal access surgery in Paediatric age group in a tertiary care institute.
- Role of propranolol in paediatric haemangioma.
- Study of solid tumours in children.
- Laparoscopic management of Paediatric Intraabdominal cystic lesions.
- Current scenario of Minimal Access Surgery in Paediatric Surgery in a tertiary care centre.

Pediatrics

- Efficacy and safety of Rotavirus vaccine (Phase III Trial).
- Assessment of parental satisfaction regarding the care of their hospitalized children in a major public hospital.
- Case characteristics and risk factors in children with unscheduled readmissions in paediatric ward of a major public hospital.
- Study on Systemic Inflammatory Reaction syndrome.
- Study the prevalence of Diarrhoea in patients on amoxicillin/clavulanate and those with amoxicillin clavulanate and probiotic.
- Economic burden of slow learners.
- Clinicopathological analysis of coarctation of aorta in paediatric age group.
- A study of convulsive status epilepticus in children in tertiary care centre.
- Mucopolysaccharidosis: Delayed diagnosis, misdiagnosis and complications arising from this delay.
- Etiology, clinical presentation and outcome of children presenting with acute febrile encephalopathy.
- Recurrent wheezing in infancy: clinical phenotypes, etiological profile and risk factors.
- Assessment of compliance to antitubercular therapy and its determinants in children.
- Role of C reactive protein in malarial infection in children.
- The severity and etiological factors of malnutrition in children between 6 to 60 months of age.
- Clinicopathological analysis of Infective Endocarditis in the Paediatric age group.
- Clinico-etiological profile and complications of Chronic Kidney Disease in children.
- Clinical profile of Paediatric dengue fever at a tertiary care hospital.
- Drug Utilization study in Paediatric intensive care unit of a tertiary care hospital.
- To study the pulmonary function tests in β Thalassemia major children and to determine the pattern of respiratory impairment in children aged 8 to 12 years and its correlation with serum ferritin level.
- Clinic epidemiological and laboratory profile of acute disseminated encephalomyelitis in children-an observational study.
- Barriers against sustained exclusive breast feeding: a case control study.
- Prospective and observational study of etiology and outcome of hematemesis in children.
- A comparative study between low dose and high dose iron therapy in children with iron deficiency anaemia.
- An observational cross-sectional study of iron overload in gaucher disease.
- Pattern of inotrope use in a paediatric intensive care unit of a tertiary care centre.
- To study clinic-radiological correlation of computed tomography (CT) brain in children aged between 1 month to 12 years.

- Therapeutic drug monitoring of levetiracetam to individualize drug therapy in patients with epilepsy.
- A retrospective study of etiological profile, treatment modalities and outcome of West syndrome in children. Project for MUHS Fellowship in Neurology & Epilepsy 2018.
- Antifungal drug utilization in selected clinical care setting of a tertiary care teaching hospital.
- Pharmacokinetics-Pharmacodynamics relationship of vancomycin in children with suspected or proven gram-positive bacterial infection admitted to Pediatric intensive care unit of tertiary care hospital.

Pharmacology and Therapeutics

- Evaluation of anti-atherosclerotic effect of gold nanoparticulate ethanolic extract of *Lagenaria siceraria* (EELS) in hyperlipidemic diet induced atherosclerosis in mice model.
- Evaluation of anti-depressant and anxiolytic effect of minocycline in alcohol abstinence induced depression model in mice.
- Evaluation of neuro-protective effect of S-adenosyl methionine (SAM-e) in 6-Hydroxydopamine (OHDA) induced Parkinson's disease in Wistar rats.
- Evaluation of prescription pattern of drugs in paediatric cancer patients in a tertiary care hospital: An observational study.
- Evaluation of prescription patterns, adverse drug reactions and awareness of drug treatment in patients of Schizophrenia.
- Evaluation of the effect of *Elettaria cardamomum* and minocycline on post-traumatic stress disorder model of golden Syrian hamster.
- Evaluation of effect of Montelukast in the model of streptozotocin induced diabetic nephropathy in rats.
- Evaluation of the effect of *Aegle marmelos* in a murine model of Trinitrobenzene sulfonic acid (TNBS) induced colitis.
- Evaluation of *Celastrus paniculatus* and Memantine on ethanol preference and decision making in alcohol dependent C57BL/6 mice.
- Evaluation of the protective effect of Metformin on β amyloid induced amnesia in wistar rats.
- Characterisation of Biofilm forming micro-organisms from clinical specimens and its evaluation by Ayurvedic formulations on Biofilm production.
- Evaluation of role of *Withania somnifera* and *Celastrus paniculatus* in animal models of alcohol addiction.
- Assessment of Physico-Chemical properties of the *BHASMA* and Evaluating the effect of *BHASMA* on animal model of Parkinson's disease.
- To evaluate anti-allergic and immunosuppressive potential of *Boerhaavia diffusa* in experimental animals.
- Evaluation of effect of Durva (*Cynodon dactylon*) and Shatavari (*Asparagus racemosus*) on implantation in mice and its mechanism of action.
- Evaluation of the protective effect of high dose of *Phyllanthus emblica* against NSAIDs and/or PPI induced enteropathy: An experimental study in rats.
- Anti-fungal Drug Utilization in Selected Clinical Care Settings of a Tertiary Care Teaching Hospital.
- Evaluation of biomimetic scaffold & gel in the treatment of bone defects in rabbits.
- Role of legal expert in the Research Ethics Committees: A questionnaire-based survey.
- Evaluation of nephroprotective effect of aqueous extract of *Annona squamosa* in streptozotocin induced diabetic nephropathy in rats.
- Comparison of academic performance of 2nd MBBS students participating in quiz versus non – participators: a retrospective analysis.
- Impact of introduction of e-EC software for ethics committee functioning: An audit.
- Drug Use Evaluation of Cephalosporins in a Tertiary Care Hospital.
- To assess the knowledge, attitude, treatment and effect of knowledge reinforcement programme in patients with diabetes mellitus.
- A cross-sectional questionnaire-based study to evaluate the medication adherence and control of disease in asthmatic patients in a tertiary care hospital.
- Evaluation of perception and knowledge regarding changes in regulatory status of FDC in postgraduate students of tertiary care hospital.
- An observational study to assess completion reports for compliance of research proposals to the institutional ethics committee approved protocol.
- Evaluation of the effect of an Ayurvedic Formulation Myostaal Forte Tablets on chondroprotective biomarkers in an experimental model of osteoarthritis in rats.

- A prospective, active-controlled, randomized, observer blind, comparative, parallel, 2-arm study to evaluate the efficacy and safety of oral Myostaal forte, a polyherbal formulation as chondroprotective in patients suffering from osteoarthritis of knee.
- Evaluation of the effects of *Myostaal forte* and *Vishesha Shodhit Guggul* on gastro-intestinal mucosa in experimental rats.
- A prospective, active-controlled, randomised, double blind, multicentre, Phase III study to compare the safety & efficacy of biosimilar Denosumab of Enzene biosciences limited versus innovator Denosumab in the treatment of post-menopausal osteoporosis.
- Evaluation of effects of Stree Vyadhi Hari Rasa (SVHR) on letrozole induced model of PCOS.
- Experimental study to evaluate the effect of Ashwagandharishta on memory determined using scopolamine induced amnesia in animals.
- A study of effect of Indian Medicinal Plants on fertility and maintenance of pregnancy in fertile rats and their uterotrophic effect on bilateral ovariectomised immature rats.
- A cross sectional study on patient's perception of effectiveness of allopathy and alternative therapy for alcohol addiction.
- Evaluation of the effect of Indian Medicinal Plants on a Murine model of Dextran Sulphate Sodium (DSS) Induced Acute Colitis.
- Experimental study to evaluate hepatoprotective effect of *Phyllanthus emblica* and *Tinospora cordifolia* in a mouse model of NASH induced by Methionine choline deficient diet and endotoxin.
- Experimental study to evaluate the effect of Piclamilast on animal models of spatial and fear memory.
- Evaluation of antiplatelet activity of Lycopene and Aspirin alone and in combination in Hyperlipidemic patients: An in vitro study.
- Observational study to evaluate prescription pattern of analgesics in perioperative period.
- An observational study to determine the adverse drug reaction profile of indoor patient suffering from haematological malignancies in tertiary care hospital.
- Experimental study to evaluate the effect of NMDA receptor antagonism on memory re-consolidation in chronic stress induced depression model in C57/BL6 mice.
- Perception of postgraduate students in pharmacology towards animal simulation model
- Reporting standards for animal experiments in pharmacology journals before and after the formulation of ARRIVE guidelines.
- Evaluation of prescription patterns, drug awareness and self-medication in patients of chronic kidney disease at a tertiary care hospital.
- Evaluation of the mechanism of action of *A. marmelos* in a murine model of 3% DSS induced Ulcerative colitis.
- Prescription audit of drugs used for Migraine and evaluation of Quality of life in patients with Migraine.
- An experimental study: To evaluate protective effect of *Tinospora cordifolia* and *Aegle marmelos* in NSAID induced enteropathy in Wistar rats.
- Evaluation of effects of *Caesalpinia crista* on Letrozole induced model of PCOS.
- Evaluation of learning and memory of Celecoxib and its combination with antiepileptic drugs in pentylenetetrazole induced kindling model in rats.
- Evaluation of the protective effect of Sinomenine on β amyloid induced amnesia in wistar rats.
- Evaluation of the prescription pattern of drugs and adherence of physicians to NeuPSIG guidelines in treatment of cancer related neuropathic pain.
- Use of topical steroids in Dermatology - Questionnaire based study.
- Evaluation of the efficacy of Anubhut Triphaladi Yoga with and without Tamra Bhasma on Hyperlipidemia induced by diet in wistar rats.
- Evaluation of acute and subacute oral toxicity of Ag and Au nanoparticles synthesized from mangroves in Swiss albino mice.

Physiology

- A comparative study of hemoglobin concentration in vegetarian & nonvegetarian Indian population of aged 18 to 40 years.
- Co-relation of VO_2 max and body composition in obese and non-obese young Indian population.
- A comparative study of cardiovascular autonomic reactivity in normal subjects and chronic obstructive pulmonary disease patients in a tertiary care centre.
- Correlation of body fat percentage with cardio metabolic risk factors in Indian adults with normal body mass index.

- Comparative study of mechanical lung function tests in COPD patients.
- A study of the effects of food group frequency and physical activity on various anthropometric indices in elementary school children.
- A study of different recovery positions of heart rate recovery and its comparison within physically active & sedentary males after submaximal exercise.
- Effect of isometric hand grip exercise on cardiovascular responses in normal and overweight Indian population aged 18-35 years.
- To study the perception of first year undergraduate students towards mentor mentee program.
- Direct Observation of Teaching Skills in Physiology Post Graduate Students.
- A pilot study to find the correlation of sleep body posture and body mass index with severity of apnea in obstructive sleep apnea syndrome (OSA).
- Effect of duration of Smart phone use on heart rate variability in young adult males.
- Effect of background music in healthy individuals.
- Effect of inhaled chemical exposure during hospital laboratory work on pulmonary functions of healthy working women.
- A study of association of physical activity with metabolic syndrome in doctors of age group 25-45 years.
- Association of Autonomic Function Test in Obese & Non-obese Young Staff of Tertiary Care Centre.

Physiotherapy

- Effect of Proprioceptive neuromuscular facilitation pattern and techniques on functional ability in individuals with spinal cord injury.
- Effects of massage and exercises on sleep habit and motor control in children with cerebral palsy.
- Analysis of Structural changes, Physical functions and quality of life of patients after Total knee arthroplasty- A follow up study.
- To analyse the Musculoskeletal dysfunction, Physical Performance and Patient's perception towards pain and Disability in subject with Chronic Non-Specific neck pain.
- Exploring the Mobility Disability & the effect of Exergaming in Elderly with Mild Cognitive Impairment of India: A mixed method approach.
- Influence of added cognitive training to multi-component physical training on dual task indices in elderly: A comparison.
- The efficacy of visual occlusion versus engagement training as an adjunct to balance on foam surface in elderly population.
- Active and Healthy ageing model for empowering health of community dwelling elderly.
- Effect of structured Physiotherapy Exercises Vs Yoga Therapy on Glucose Control and quality of life in Type 2 Diabetes: A Randomized control Trial.
- Effect of high intensity interval training on cardiovascular risk factors.
- Effect of Physiotherapy Intervention-Education and Structured exercise program to optimize postural alignment and muscle balance of lumbopelvic hip complex on physical performance in pregnant women.
- Assessment of Movement dysfunction of Lumbopelvic Hip complex and performance related fitness in subjects participating in yoga.
- Effectiveness of Peer-led Approach to Case-based Learning in Physiotherapy Education with Respect to Composition of the Groups.
- Effect of Fatigue Resistance Training on Reaction time of Gastrocnemius Muscle.
- Effect of inspiratory muscle training on weaning from mechanical ventilator in GBS.
- Perception of Knowledge, attitude and practices of medical ethics in undergraduates of health care profession.
- Effect of active correction of Scapula downward rotation on cervical range of motion in patients with neck pain.
- Correlation of pain with craniovertebral angle and disability in young adults with non-specific neck pain.
- Assessment of hip muscle imbalance and five times sit to stand test time in subjects with non-specific low back pain
- Assessment of gluteus maximus, gluteus medius strength and five times sit to stand test time in subjects with symptomatic knee osteoarthritis.
- Correlation of self-reported questionnaire – KOOS with performance based functional scale (stair case climb test and timed up and go test) in subjects with bilateral OA knee
- Comparison of effectiveness of cryotherapy and neuromuscular electrical stimulation on pain, ROM and gait speed in early post-operative phase in subjects with unilateral TKA
- Comparison of Manual versus Instrument Assisted Soft Tissue Mobilisation of Levator Scapulae in Chronic Neck Pain
- Prevalence of Musculoskeletal Pain Syndrome in Type II Diabetic Patients: Cross-sectional Study

- Correlation of craniovertebral angle with dynamic balance in elderly subjects.
- Correlation between perceived stress and dual tasking ability in young individuals
- Correlation of dynamic balance with knee proprioception in elderly
- Correlation of static balance with knee proprioception in elderly
- Correlation between visual impairments and functional balance in children with CP
- Correlation between visual impairment with hand function in children with CP
- Comparing Blood pressure response to sitting with legs crossed at knee level and standard method in Hypertensive and normotensive individuals.
- Haemodynamic response to 30% and 50% of maximal voluntary isometric contraction in individual with active and sedentary lifestyle- a comparative study.
- Exercise capacity quality of life and social participation in patients with post pulmonary tuberculosis sequelae.
- Comparison of rate pressure product response to 6-minute walk in obese and non-obese women.
- Correlation of Distance saturation product with Baseline dyspnoea index in restrictive lung disease
- Comparison of spirometric PFT in subjects with apple and pear-shaped fat distribution

Plastic Surgery

- Audit of patients with orbital floor fractures.
- Gynecomastia our experience in a tertiary centre.
- Dorsal metacarpal artery flap – a workhorse for reconstructions of thumb defects.
- Study of knowledge and attitudes about breast reconstruction in Indian population.
- A study to assess quality of life in Burn survivors.
- Estimation of ratio of palmar surface of hand with respect to Body surface area.
- Audit of patients operated with sural artery flap.

Psychiatry

- A Study of Social Functioning in Patients with Bipolar Disorder in Remission.
- Analysis of Sibling Relations in children with ADHD.
- A cross sectional study of perceived stress, self-esteem and coping skills in patients of alcohol dependence.
- Study on Socio-cultural aspects of Alcoholism.
- Coping and perceived stress in opioid and alcohol dependent patients.
- A cross sectional study of perceived stress, self-esteem, body image disturbance and suicidal intent in patients of acne vulgaris.
- A cross sectional observational study on the spectrum of behavioral problems, academic difficulties, parental handling patterns and impact of epilepsy on family in children with epilepsy.
- A survey on Medical Residents Knowledge, Comfort, and Training with Sexual History Taking.
- A comparative study of enabling behavior and personality profiles of depressed vs non-depressed wives of alcoholics.
- A study on experience of subjects attending alcoholics anonymous group
- Study of comorbidity, aggression and parenting style in children suffering from disruptive mood dysregulation disorder- impact of functional impairment.
- A study of depression alexithymia personality profile and perceived stress in patients of functional gastrointestinal disorders.
- A cross sectional study of depression, self-esteem, body image disturbance and quality of life in patients of Androgenetic Alopecia.
- A cross sectional study of suicide risk and personality profile in patients of alcohol use disorder.
- A cross sectional comparative study of psychopathology, Quality of life and Burden in caregivers of patient with Alcohol use disorder and other substance use disorder.
- A cross-sectional study of depression, sleep quality & body image disturbances in pregnant women.
- Study comparative study of depression, anxiety, stress and coping strategies in primary caregivers of patients with obsessive compulsive disorder and depression.
- A Cross-Sectional Study of Depression, Self Esteem, Body Image Disturbances and Quality of Life in Patients with Acne Scars.
- Study of quality of life in patients with recurrent depression: analysis of dyadic effects.

- Comparative study of copying in patients with eating disorders.
- A cross sectional study of stress, anxiety, depression and quality of life among parents of intellectually disabled child.
- A study of prevalence of substance use and perceived stress in medical UGs and PGs in a medical college.
- Study of sleep patterns, depression and life satisfaction in patients coming to geriatric OPD in a tertiary care center.
- A study of subjective illness experience, self-identified causes, help seeking behavior and stigma in patients with opioid addiction.

Surgery [General Surgery]

- 53 ongoing PG dissertations.

Surgical Gastroenterology

- Splenectomy & influence of its histopathology in alteration of treatment paradigms.
- Factors affecting number of lymph nodes harvested and impact of examining minimum of 12 lymph nodes in stage I-III colorectal cancer patient: a single institute cohort study.
- Study of Outcome of Corrosive Stricture of esophagus.
- Factors affecting Regeneration of Liver-Post Liver Resection.
- Evaluation of symptoms pre-operatively and post operatively in patients with chronic pancreatitis undergoing surgery.
- QOL of UC patients following Surgery.
- Study of functional and Morphological changes in cases of Biliary Stricture.
- Esophagocoloplasty for Non-Dilatable oesophageal corrosive strictures – evaluation of outcomes Study of Functional and Morphological Changes in Liver In operated Cases Of obstructive Jaundice.
- Factors Predicting Malignancy in Chronic Pancreatitis with Head Mass.
- Epidemiological study of Gall Stones.
- Prescription Pattern in Surgical Gastroenterology.

In collaboration with

- ICMR: Delayed Gastric Emptying time
- National Institute of Immunology: Clinical Applications of Monocyte derived 'Neo-Hepatocytes'
- Developing Serum Markers to Predict Colonic Malignancy with IIT Mumbai.

Transfusion Medicine

- NIH: - Project in collaboration with NIIH. "Molecular genotyping of clinically significant (Rh, Duffy, Kell & Kidd) blood group antigen in donors & Multi-transfused patients
- Comparison of labile coagulation factors and factor X activity, and fibrinogen level in 24-hour frozen plasma and fresh frozen plasma
- Evaluation of total and IgG ABO antibody titres in blood donors
- A prospective study on Apheresis Platelets: To analyse factors influencing Platelet Pheresis yields and post-transfusion platelet recovery.
- Evaluation of red cell and fresh frozen plasma transfusion in post-surgical adult patients posted in intensive care units: A retrospective study in a tertiary care hospital
- An audit of red cell transfusions in paediatric patients in tertiary care hospital
- Impact of Educational intervention on transfusion practices in General Medicine".
- An assessment of adverse donor reactions during voluntary donation of whole blood".

Urology

- Predicting treatment options in patients with LUTS and hernia using urodynamic studies.
- Factors affecting outcomes of AV fistula.
- Factors affecting outcomes of staged urethroplasty surgery. A study to assess the factors affecting posterior urethral values and their outcome and role of intervention in management of posterior urethral valves.
- Assessment of etiology and factors affecting management of complex vesico-vaginal fistula.
- Use of ileum in management of complex urethral strictures – assessment of etiology and its impact on renal function." "A study to review chemical profile, diagnosis and management of emphysematous pyelonephritis.
- Prevalence of Lower urinary tract symptoms and post void residue in ambulatory adult above 45 years of age.

- Mutations in carcinoma bladder- A Pilot Study.
- An Observational study to speculate nomograms of uroflowmetry in paediatric healthy population and correlate the same with physical examination parameters.”
- Prospective study to identify the calibre of external urethral meatus in average Indian male population.
- A cohort study to determine the prevalence of fluoroquinolone antibiotic resistance in rectal flora, the prevalence of ST 13IE. Coli strain amongst these resistant samples and post biopsy infection complications in patients to be posted for trans-rectal ultrasound guided prostatic biopsy at a tertiary care institute.”
- Pilot study to determine outcomes of implementation of enhanced recovery after surgery (ERAS) protocol in cases of radical cystectomy and ileal conduit for carcinoma bladder in a tertiary care setup.
- A study to compare the size of external urethral meatus in premenopausal and postmenopausal women and the treatment outcomes of urethral dilatations in females having obstructive voiding symptoms.”
- A study to review diet and metabolic parameters in patients with urinary tract calculi.
- Outcome of dorsal onlay buccal mucosal graft urethroplasty in female urethral stricture disease.
- A study to assess factors promoting superadded calculi over retained ureteral stents.”
- Comparison of length and volume as a parameter for assessing semen analysis among patient- infertility in Indian context and comparison with healthy controls.”
- Correlation of raised serum prostate specific antigen (greater than 2.5) with incidence of prostatic adenocarcinoma in Indian population.
- Prevalence of stone disease in patient with chronic kidney disease and impact of chronic kidney disease in stone management.”

In the Limelight

In the Limelight

Anesthesia

- COLS workshop conducted at ITC grand central, Parel with 257 participants
- COLS workshop conducted at BMC Head Office, trained around 800 lay people including AMC.
- COLS workshop at Hindustan Times.
- COLS (Compression Only Life Support) campaign with Indian Society of Anesthesiologists, Mumbai. 12,200 lay people were taught basic life skills for cardiac arrest. Dept. of Anesthesia with ISA, Mumbai was awarded Public Awareness prize at the national level.

Biochemistry and Clinical Nutrition

- Dr. Trupti D. Ramteke: is awarded President, NBE Gold Medal in the specialty of biochemistry for DNB Final Examination [December 2017 Session].

Cardiac Anesthesia

- Newspaper recognition for Minimal invasive cardiac intervention in a neonate
- Held Annual National Conference of ICA (ICACON) 2018 at GSMC MUBAI

Chest Medicine and Environmental Pollution Research Center



'प्रदूषण: दिल्ली व मुंबई' या सत्रात पर्यावरण विभागाचे संचालक बी. एन. पाटील, केईएमच्या श्वसनविकारतज्ज्ञ डॉ. अमिता आठवले, एमपीसीबीचे सदस्य सचिव ई. रवींद्रन

Community Medicine

- Started Link ART Centre at Malvani Urban Health Centre from 3 December 2018.

Dentistry

- Dr. Prasad Bhangre was an invited speaker on Arogya Sampada program which was telecast on DD Sahyadri on 6th June 2018. He spoke on various Oral Health related issues and answered questions from viewers.



ENT

- ZEE 24 TAAS, NEWS NATION, SAAM TV, TV 9 - Doctors remove safety pin lodged inside 3 years old girl's Throat
www.mymedicalmantra.com
- 03-05-2018-Epistaxis management in summer
- 04-06-2018-Performed 21 laser surgeries in a day on world No tobacco day
- 26-07-2018-Mumbai man accidentally swallows denture during seizure, saved by docs
- 07-09-2018-Doctors remove custard apple seed lodged in infant's windpipe
- 28-09-2018- Doctors remove safety pin lodged inside 3 years old girl's Throat

Gastroenterology

- Dr. Shobna Bhatia received NBE award for Excellence in Medical Education in September 2018



Medicine

- Newspaper article on successful treatment of fire victim- Mumbai Mirror Sept 16 2018.

Nephrology

- Dr. Tukaram Jamale interviewed by DD Sahyadri channel on occasion of programme involves health education about common kidney diseases.
- Dr. Tukaram Jamale invited by DD Sahyadri for a live programme on Kidney transplant

Neurology

- Awarded oration by Dr. Sangeeta Ravat on 2 to 4 Feb 2018 at ECON 2018.
- Dr. Sangeeta Ravat delivered lecture on Genetics in Epilepsy.
- Dr. Sangeeta Ravat delivered lecture in Briveracetam update at UCB meet.
- Dr. Sangeeta Ravat delivered lecture in Women's Neurologist Conference.
- Dr. Sangeeta Ravat delivered lecture in Journey of Briveracetam – Indian Experience.
- Dr. Neeraj Jain Delivered Talk on Head for Physicians.

Neurosurgery

- Prof. Atul Goel: Performed Live Surgery which was telecasted in London in the 7th Annual World Course in Advanced Brain Tumor Surgery – July 2018.
- Five articles included in Highest cited 100 papers published in Neurology India. - Publication in Neurology India.
- Two articles included in 'The hundred most influential publications in cervical spine research'. –Publication in Spine.
- Two article in the top 50 most cited articles on craniovertebral junction surgery. Publication in Journal of Craniovertebral junction and Spine.
- Ranked 2nd in 'The most influential publications in odontoid fractures'. World Neurosurgery 2019

Nuclear Medicine

- Installing state of art PET/CT

Occupational Therapy

- Conducted Hemophilia Awareness camp in Orissa, Gujrat & Madhya Pradesh for patient and caregiver education.
- Elected as **Treasurer** of GSMC MUHS UNESCO BIOETHICS UNIT.
- Organized BIOETHICS UNIT activities like '**EBATE**': Teacher-PG Students debate competition and **Intercollege Street-Play competition**.
- Organized '**RESIDENT as TEACHER** - Basic Workshop in Education Methodology', under **MUHS** for Post graduate students of Occupational Therapy in September 2018.

Orthopedics

- Department celebrated Platinum Jubilee in Feb 2018 in a three-day socio academic programe held at MLT.
- Department Published platinum jubilee souvenir consisting of articles from various past and present orthopedic surgeons from the department & nostalgic photograph.

Pathology

- Invited to give guest lecture on "Cancer Biology" at International Integrated Oncology Training Workshop, Organized by Medical section, Goetheanum School of Spiritual Science, Switzerland at Mumbai.
- 5th autopsy workshop conducted by entire Pathology faculty at Seth GSMC & KEMH, Mumbai which was attended by over 250 delegates.

Pediatric Anesthesia

- The department of Pediatric Anesthesia was officially designated as a separate department on 7th April, 2018

Pediatric Surgery

- Modular OT set up fully operational

- Aesculap 3D Laparoscopy Set (First in Govt. Institute in Maharashtra - Fully Operational)

Pharmacology and Therapeutics

- The department was recognized by ICMR as Advanced Centre for Capacity Building.

Physiotherapy

- Physiotherapy measures and self-care in various health conditions through articles in Marathi in Annual Diwali Magazine "Apla Doctor" were written by all faculty.
- Awareness of physiotherapy in various conditions to promote health on television in Arogya Sampada through DD Sahayadri.
- Bhavana Mhatre: -Physiotherapeutic Perspective: Lifestyle Diseases and Physical Fitness Arogya Dhansampada, All India Radio.
- Study performed by Swati Paranjape and Vaishali Ingole on heavy back pack and back ache in secondary school students was received well by media and policy makers. Acknowledged by Hon'ble Minister of Education Mr. Vinodji Tawade.
- Maharashtra Times had run a special feature by Ms. Sharmila Kalgutakar in her column "CT Scan" on Backache in school children.



Psychiatry

Extramural publications by Dr S R Parkar 23 articles in various newspapers and series TV programs

- Sahydri Aorgyasampda - mulanche manasik arogya
- Sahydri Arogya sampada - eakatra yeuya atmhatya taluya
- Sahydri Arogya sampada - schizophrenia janjagruti
- Sahydri Arogya sampada bhiti
- Zee 24 Tas -swatabaddalahe samaz gair samaz
- Zee 24 Tas - kamachya thikanchi nati

Surgical Gastroenterology

- Social Awareness Lectures were delivered by Dr Chetan Kantharia, Dr Ramkrishna Prabhu and Dr Sharvari Pujari on Television
- Dr. Chetan Kantharia, Professor, delivered a talk on DD Sahyadri TV Hello Doctor on Inflammatory Bowel Diseases

Transfusion Medicine

- Department has been selected as the Apex Training Centre for Western and Central Zone (Maharashtra, Gujrat, M.P. Goa, Rajasthan) for training all the Counsellors, Blood Bank officers, Technicians and Nurses by NACO, Ministry of Health & Family Welfare, Govt. of India, New Delhi.

Urology

- Dr. Sujata Patwardhan appointed as Advisor in State Advisor Committee, Mumbai (DHS).

Looking Ahead

Looking Ahead

Anatomy

- Air-conditioning of Dissection Hall and Microanatomy Laboratory.
- Preparation of e-learning modules for microanatomy and gross anatomy for First MBBS students and M.D. Anatomy students.

Anesthesia

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

Biochemistry and Clinical Nutrition

- To introduce Hospital management Information system for improvement of turnaround time and easy accessibility of patient data.
- To introduce local area network for accessibility of reports.
- To align emergency and central clinical biochemistry laboratories.
- To introduce early clinical exposure to facilitate self-study, adult learning and enhance communication skills, to sustain vertical and horizontal integrated teaching.
- To procure equipment for conducting research and to collaborate with national and international agencies to diversify and upgrade research activities.

Cardiac Anesthesia

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

Cardiology

- Advanced live 3D Echo & Color Doppler machine, Intracardiac echocardiography system, Anesthesia Workstation and Multipara monitors are expected to be installed, taking the diagnostic and therapeutic armamentarium to new heights.
- With new State of the art Cath Lab, the primary angioplasty programme is bound to flourish.
- Fellowship program for post DM /DNB candidates in Pediatric Cardiology, adult interventional cardiology and electrophysiology is proposed.

Chest Medicine and Environmental Pollution Research Center

- National environmental Lung Health Institute transdisciplinary translational approach to lung health.
- Establishment of DM (Pulmonary Medicine) and Diploma in Allergy & Immunology.

CVTS

- Expansion of the facilities has been completed- Hybrid Procedures

Clinical Pharmacology

- To develop pharmacogenetics testing for other drug metabolizing enzymes at the routine patient care level.

Community Medicine

- Setting up of a palliative care OPD in collaboration with the Department of Medicine.

Dermatology, Venereology and Leprosy

- Better examination facilities for patients.
- Strengthening services in dermato-surgery with facility of a minor operation theatre for performing small day care surgeries.

Dentistry

- Complete Dental Management in Hemophilia patients on prophylaxis therapy.
- Dental Camp for Hemophilia patients, pregnant women and municipal school children.
- Advances in implant therapy.
- Installation of RVG machine in the department.
- Create awareness about Hazards of Tobacco and Paan chewing.

Endocrinology

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

ENT

- To develop surgical skill development lab in collaboration with Forensic Pathology Department.
- New furnished OPD awaited.

Forensic Medicine

- One Point Crises Centre & Centre of Excellence for the Survivors of Sexual assault at K. E. M. Hospital Mumbai.

Gastroenterology

- Establishment of a Liver ICU in coordination with Department of GI surgery for better management of patients with acute liver failure and post liver resection surgeries.
- Training for research and GCP for all residents.
- Translation and Validation of Room IV Diagnostic questionnaire in two Indian languages.
- To demonstrate Esophageal Hypersensitivity with chemical thermal and mechanical noxious stimuli in patients with functional Heartburn in Indian population.
- Hydrogen & Methane Breath Test & Multipara Patient Care Unit.

Hematology

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

Medicine

- Interactive session with ISCCM Mumbai.
- Journal reviews/ topics reviews of critical care topics by fellow student doing critical care fellowship.
- Green field new MICU with modern equipment and increased capacity.
- Starting palliative care OPD.

Microbiology

- Accreditation of TB culture and DST laboratory.
- Establishing Viral Research and Diagnostic Laboratory (medical college level).

Neonatology

- Initiation of Newborn Screening in MCGM.
- Initiation of universal hearing screening.
- Initiation of Community based Kangaroo Mother Care.
- Up gradation of Human Milk Bank.

Nephrology

- Nephrology Department plan to expand deceased donor programme.
- CAPD programme.
- Plan to have expansion of Pediatric Nephrology Clinic.
- Diabetic Kidney disease Clinic.
- Establish Two units in Nephrology.
- Computerization Nephrology record.
- Establish Maintenance Hemodialysis Programme.
- Interventional Nephrology to be expanded.
- Opening of Tubulopathy Clinic.

Neurology

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

Neurosurgery

- Plan to develop state of art Intensive care unit for neurosurgical patients

Nuclear Medicine

- Starting PET/CT based investigations.
- Starting Lu-177 based therapies for neuroendocrine tumours.
- Starting MD in Nuclear Medicine.
- Starting MSc in Nuclear Medicine.
- Radiation synovectomy for haemophilic patients.
- PET/CT based myocardial perfusion and viability studies.
- PET/CT in infection and PUO.

Occupational Therapy

- The department has a vision of establishing a state of art department of Occupational Therapy reflecting the latest trends and technological care imparted by the professionals, improvised over the last 66 years.
- We also wish to set up a unique rehabilitation care center for the physically and mentally handicapped with facility of disability evaluation, driving evaluation and visual rehabilitation.
- We wish to incorporate an orthotic and prosthetic department at the Occupational Training School & Center of Seth G. S. Medical College and K. E. M Hospital.

- We want to expand on already piloted project of early intervention of high-risk infants through telemedicine in rural parts of Maharashtra.
- We wish to develop E-learning programs for distant learning and education.
- We also wish to start integrated Master's Program and Short Certificate Courses at the University Level.
- We look forward to collect data for standardizing scales on the Indian population in different fields of Occupational Therapy for the purpose of assessment & intervention.
- Renovation of the department portraying the specialty areas developed in the past years, incorporating the facility of internet and intranet at Occupational Therapy Department.

Ophthalmology

- Plan to conduct a glaucoma screening program every Sunday
- Plan to organize surgical workshops for training of students
- To start new clinical trials
- New Ward 13 with increased capacity to be started for enhanced patient care

Orthopedics

- Establishment of paraplegic rehabilitation center
- Establishment of dedicated intensive care unit with bed capacity of 8 for orthopedics.
- Upgradation of operative rooms with navigation, neuromonitoring, power instruments and cell saver.
- To start MUHS recognized fellowships in the subspecialty of Spine, Arthroplasty and Arthroscopy.
- Apart from annual PG training course which was 1st started three years back department is planning to start 2 days orthopedics course for undergraduates.
- In 2018 department of Orthopedics KEM Hospital started 1st orthopedics foundation course for MS Orthopedics new registered candidates. It is a lead step in the country taken up by department of Orthopedics Seth G. S. Medical College.
- Organizing KEM Trauma life support course.
- Department is going to celebrate Orthopedic department day in the month of February consisting of paper presentation acknowledgement of publications & books, Instructional course lecture, workshops Socio - academic events & community outreach events.

Pathology

- Upgradation of Surgical Pathology with odorless grossing station and fully automated laboratory and expansion of IHC panel.
- Continuing upgradation of hematology automation.
- Initiation of immunocytochemistry on FNAC slides and cell blocks.
- Enhancing cytological techniques with liquid based cytology for thyroid FNAC.
- Creating a seminar room in the CVTC laboratory 116 to hold teaching sessions for residents in Cardiology, Cardiac Surgery & Chest Medicine.
- Creation of a museum in CVTC laboratory 116 for display of mounted and wet specimens of hearts and lungs.
- Modernization of museum.

Pediatric Anesthesia

- The Department will be commencing anesthesia services for MRI procedures shortly.
- We are starting system of sending requisitions for vascular access in Paediatric ICU, hematology and ward patients using Google forms to avoid delays in treatment and cancellations.
- The Department also plans to distribute information pamphlets for paediatric patients undergoing CT scan describing fasting and certain perioperative instructions.
- The Department is organizing workshop on "Low Flow Anaesthesia" in January 2019.
- Request for faculty rooms and seminar room has been made.
- Proposal for new equipment (syringe infusion pumps, TCI pump, High flow nasal oxygen delivery device, video laryngoscope and MRI compatible laryngoscopes) has been sent.

Pediatric Surgery

- Plan to start comprehensive Paediatric Endourology Setup.
- Dedicated Paediatric urology clinic.

Pediatrics

- Initiation of new Paediatric Gastroenterology OPD.
- Increase in teaching units from 3 to 4.
- Upgrading bed strength of Paediatric ICU to 20 beds.
- Initiation of Fellowship Programs in Learning Disabilities.
- Establishment of Core Committee to monitor the on-going research projects in the Paediatric Department.
- Renovation and restructuring of Paediatric Research laboratory (PRL) with more emphasis on research in rare inborn errors of metabolism.

Physiology

- We intend to develop an efficient Exercise Physiology laboratory
- To acquire & upgrade existing equipments for the purpose of research.

Physiotherapy

- To develop advanced facility towards Patient care and Research.
- Modernization and digitalization of lecture rooms.

Plastic Surgery

- One Intensive Care room for Burns ward – through CSR of Mahanagar Gas.

Psychiatry

- Drug Treatment Centre (DTC) Scheme, Treatment of Substance Use Disorders in India by MOHFW
- Induction Training for the newly recruited staff will also be conducted.
- National Survey of extent & pattern of Substance Use in India.

Social Services

- Identify and tap new donors for the benefit of patients and patient care
- In house training programme and lectures for CDO's
- Rehabilitation for the patients with the help of donors
- Play garden for Pediatric patients

Surgical Gastroenterology

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

Transfusion Medicine

- Full automation in ELISA testing.
- Full automation in Component Separation and Extraction.
- Computerization in Blood Bank.
- To increase voluntary blood collection to 50,000 annually.
- Continuation of NABH Accreditation.
- To implement Hemovigilance program of India constituted by National Institute of Biologicals, Ministry of Health & Family Welfare, Govt. of India and upload all the Donor Adverse Reactions and Transfusion Reactions in the website.
- To conduct Blood Bank Training Program for West, Central Zones as per Apex Training Centre.

Urology

- Sanction purchase of cutting-edge Robotic system to boost Minimal Invasive Surgery programme in Dept of Urology, KEMH.
- Stone surgeries Workshop February, 2018.
- Prostate Surgeries Workshop April 2018.
- ESWL workshop, June 2018.

Committees, Societies, Services and Publications

Committees, Societies, Services and Publications

Academic Committee

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

- **Chairperson:** Dr. Hemant Deshmukh, Dean, Seth GS Medical College & KEM Hospital
- **Secretary:**
 - Dr. Nirmala Rege, Professor & Head, Department of Pharmacology till 30th Nov2018.
 - Dr. Dhangauri Shenvi, Professor & Head, Department of Physiology from Dec 1st onwards.

Sr. No.	Name of Academic Committee Members	Designation
1	Dr. Dhangauri Shenvi	Department of Physiology
2	Dr. Pritha S. Bhuiyan	Department of Anatomy
3	Dr. Sucheta Dandekar	Department of Biochemistry
4	Dr. Amita Joshi	Department of Pathology
5	Dr. Smita Divate	Department of Pathology
6	Dr. Gita Nataraj	Department of Microbiology
7	Dr. Sandhya Kamat	Department of Pharmacology & Therapeutics
8	Dr. Mridula Solanki	Department of Community Medicine
9	Dr. Milind Nadkar	Department of Medicine
10	Dr. Smrati Bajpai	Department of Medicine
11	Dr. Ajita Nayak	Department of Psychiatry
12	Dr. Amita Athavale	Department of Chest Medicine & EPRC
13	Dr. Aparna Deshpande	Department of General Surgery
14	Dr. Alka Gupta	Department of Obstetrics & Gynaecology
15	Dr. Nilam Sathe	Department of ENT
16	Dr. Mohan Desai	Department of Orthopaedics
17	Dr. Nithya Gogtay	Department of Clinical Pharmacology
18	Dr. DV Kulkarni	Department of CVTS
19	Dr. Sujata Patwardhan	Department of Urology
20	Dr. Bhavana Mhatre	Department of Physiotherapy
21	Dr. Snehal Desai	Department of Occupational Therapy

The following members of the Academic Committee superannuated in the year 2018: 1. Dr. Avinash Supe, Chairperson, 2. Dr Nirmala Rege, Secretary, 3. Dr Amar Pazare, 4. Dr Nalini Shah. Dr Preeti Mehta accepted voluntary retirement. Dr. Hemant Deshmukh, the Dean, Seth GS Medical College & KEM Hospital is the Chairperson of the committee. Dr. Dhangauri Shenvi, Professor & Head, Department of Physiology has been appointed as Member Secretary. The new members appointed on the committee during this year are: Dr. Milind Nadkar and Dr. Gita Nataraj.

In the year 2018, 4 meetings of the Academic Committee were held. During these meetings, the members deliberated on the following points and the necessary actions were taken.

Pertaining to educational programmes

- The reasons for absenteeism of students were discussed. It has been decided that the Head of the Department needs to take the decision based on the University rules and regulations and inform the Academic Committee. However, it was also suggested that the changing needs of the students should also be taken into consideration and at departmental level, the educational programmes should be tailored accordingly, which would help the students in preparing themselves for the various assessments they undergo. It was suggested that a letter can be sent to the University to revise the attendance criteria.
- Considering the overlap between various programmes conducted under the aegis of Dr. Manu VL Kothari, Chair of Medical Humanities and Division of Medical Humanities, UNESCO Unit of Bioethics, Shidori and future AETCOM modules, it was decided that there should be coordination among the coordinators/secretaries of these units/cells. In a

common meeting with concerned departments of a specific phase, they should evolve a programme for implementation so that the balance between academic programme and co-curricular activities can be maintained.

- It was brought to the notice of members that MCI eligibility criteria for PG residents appearing for examination state that the candidates appearing in the examination should have (i) presented one poster (ii) read one paper at National/State conference and presented one research paper which has been published/accepted for publication/sent for publication during period of their postgraduate study period. These criteria have been accepted by MUHS since 2016. The members were requested to inform the departmental heads and other faculty.
- The steps of registration of students with the MUHS and submission of synopsis were jotted down and the HODs were informed to contact the office staff. It was felt that the thesis protocols should be submitted to EC by 20th August-September 2018 so that the students will get some time to make corrections prior to submission to MUHS. Letters were sent to the Ethics Committee to hold the meetings more frequently for reviewing the project proposals submitted by the PG students and also to Hon'ble Vice Chancellor to extend the last date of submission of synopses to the University giving reasons for the same.
- Summer school in oncology at Tata Memorial Centre Mumbai in collaboration with King's College, London: Selection residents and students: The application forms of the undergraduate and postgraduate students were reviewed. List of 6 postgraduate students and 5 undergraduate students was forwarded to Tata Memorial Centre. All these students were selected for the course and successfully completed the same.

Mr. Jay Savla., III yr UG student who enrolled into the programme, not through the college system, was selected for one month of observer ship at Guy's and St. Thomas College and Kings College, London.

Pertaining to internal assessment and University examination

- It was decided that the final submission of 4 internal assessment mark-sheets (one each for phase- Phase 1, 2, 3 Part I and 3 Part II) will be done by the college office. All the office clerks agreed for the same. The Dean instructed the office clerks to communicate to the departments the date for submission of final compiled and signed mark-sheet to the office. If any of the departments fails to meet the deadline then the responsibility of submission lies with the department.
- The committee decided that no preparatory leave for the University examination will be given to the students. Rescheduling of clinical posting is not possible as the programme for three years gets decided at the beginning of Phase II and any adhoc change in between may not guarantee its successful completion as per MCI criteria.
- The college office should prepare the roll call of the students entering medical college according to alphabets (after making necessary corrections for students joining late in Phase I) at the end of Phase I and use the same for submission to departments of Phase II and clinical postings. They should leave the roll numbers blank for the students giving supplementary examination, which can be filled subsequently once the Phase I supplementary examination results are declared. The roll numbers of students who are unsuccessful in the said examination will remain blank throughout. The transferred students' names should be entered in the list at the end.

Following matters were referred to other appropriate committees

- A fact-finding committee was formulated to make enquiry of a nursing student. A letter was written to the legal department, MCGM seeking its advice and requesting to depute a legal officer who can provide legal opinions whenever needed by the academic Committee. It was decided that for the time being the rules formulated by the Hostel Committee, which have been accepted even in the court, should be implemented by the School of Nursing. It was decided to develop protocol or set the rules for dealing with inappropriate use of internet or e-media or shooting obscene videos. It was also decided that there should be an orientation lecture on cybercrime for different categories of students to increase their awareness. Such lectures/sessions should be for MBBS students at entry level, OT-PT students and Nursing students. The concerned departments can organize their own programmes.

Students' Grievance Committee:

- **Coordinator:** Dr. Amita Joshi, Professor, Dept. of Pathology
- **Established:** April 2010

Student's Grievance Committee deals with the complaints of students. Dr. Amita Joshi coordinates these meetings. The current composition of the Student's Grievance Committee is as follows.

Sr. No.	Name of Student's Grievance Committee Members	Occupation & Designation
1.	Dr. Jayashree Gadkari	Professor & Head, Dept. of Physiology
2.	Dr. Alka Gupta	Professor, Department of Obstetrics & Gynaecology
3.	Dr. Bhavana Mhatre	Associate Professor, Department of Physiotherapy School & Centre

Sr. No.	Name of Student's Grievance Committee Members	Occupation & Designation
5.	Dr. Santosh Salagre	Associate Professor, Department of Medicine
6.	Dr. Aparna Deshpande	Professor, Department of General Surgery
7.	Dr. Snehal Desai	Assistant Professor, Dept. of Occupational Therapy School & Centre

Animal Ethics Committee

Institutional Animal Ethics Committee

The Institutional Animal Ethics Committee (IAEC) of the Seth GS Medical College and KEM Hospital functions according to the guidelines laid down by the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) and is registered with the CPCSEA for the purpose of 'Breeding and Research on animals' (Registration no.:60/PO/ReBi/S/99/CPCSEA). The appointment of institutional members on the IAEC is approved by the CPCSEA and four CPCSEA members are nominated on the IAEC.

Members of the Institutional Animal Ethics Committee

Sr. No.	Name of IAEC Member	Position on IAEC	Department	Gender
Institutional Members				
1.	Dr. Sucheta Dandekar	Chairperson cum Scientist from different biological discipline	Biochemistry	F
2.	Dr. Sandhya Kamat	Member-Secretary cum Biological Scientist	Pharmacology and Therapeutics	F
3.	Dr. Priyanka Prasad	Scientist from different biological discipline	Microbiology	F
4.	Dr. Nirmala Rege	Scientist in charge of the animal house (Superannuated on 30 th Nov 2018)	Pharmacology and Therapeutics	F
5.	Dr. Avinash Patil	Veterinarian involved in care of animals	Pharmacology and Therapeutics	M
CPCSEA members				
6.	Dr. Rahul Thorat	Main Nominee	Scientific Officer D, ACTREC, Navi Mumbai	M
7.	Dr. Vinita Kulkarni	Link Nominee	Veterinary Doctor, Mahim Pet Clinic, Mumbai	F
8.	Dr. Sangram Chavan	Scientist from Outside the Institute	Department of Pharmacology and Toxicology, Bombay Veterinary College, Mumbai	M
9.	Mr. Sunish Kunju	Socially aware member	Plants and Animals Welfare Society, Mumbai	M

Meetings held in 2018: 02 (21st April, 13th October)

New projects submitted in 2018: 16

New projects approved in 2018: 16

Ongoing projects: 10

Projects completed in 2018: 11

Department Development fund [DDF]

The following activities are carried out by the trust:

Patient Care

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

Education

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

- Pathology: "Autopsy Workshop" on 15th to 17th March 2018.
- Clinical Pharmacology: Workshop on DNB Board on 12th January 2018.
- Orthopedics: PG Training Course on 2th to 4th March 2018
- Clinical Pharmacology: Pharmacovigilance workshop on 5th May 2018.
- Anesthesia: "Challenges and Dangers in Anesthesia Practice" on 24th June 2018.
- Pediatric- Anesthesia: "Pediatric Vascular Access workshop" on 7th July 2018.
- Pharmacology & Therapeutics: "Research Methodology workshop and Good Clinical Practice" on 9th July 2018 to 12th July 2018.
- Surgery "Inguinal Hernia Operative Workshop" on 11th August 2018.

- Surgery: “Ventral Hernia Operative Workshop” on 22nd September 2018.
- Bio-chemistry 14th Good Clinical Laboratory Practices (GCLP) workshop to be held from 28th August to 30th June 2018 and 9th January 2019
- Clinical Pharmacology: “Good Clinical Practices workshop” on 4th September 2018.
- Clinical Pharmacology: four training (over four weeks) in statistics and critical appraisal of Bombay Hospital.
- Psychiatry: National CME on 1st December 2018.

Research

Trust has received donations for research projects of following departments & these are ongoing.

- Psychiatry - Protocol A7501012-1018: “A randomized, placebo-controlled, double-Blind trial of asenapine in the prevention of relapse after long-term Treatment of Schizophrenia” by Pfizer Limited
- Hematology - “Randomized, open label, multicenter phase IIb study evaluation the efficacy and safety of ruxolitinib versus best available therapy in patients with polycythemia vera who are hydroxyurea resistant or intolerant (Response 2) by Novartis Oncology
- Clinical Pharmacology - HEOR Project “Desk Review for WHO on Clinical Trials” Pfizer Ltd.
- Endocrinology - Cardiovascular outcomes A trial investigating the cardiovascular safety of oral Semaglutide in subjects with type 2 diabetes. Trial ID: NN9924-4221. By Novo Nordisk India Pvt. Ltd.
- Gastroenterology - A Prospective, Multi-Centre, Double -blind, Randomized Trial of Saroglitazar 4 mg versus Placebo in patients with Non-Alcoholic Steatohepatitis” by Cadila Health Care Ltd
- 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 Eye” by Pharmaceuticals Inc.

Following prizes were given

- 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 & Gynecology.
- 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

- Foundation day: Miscellaneous expenses of Rs. 20,000/- through DDF General Fund were sanctioned.
- Gosumec Alumni Association: Remotex software was procured in 2016 but this has expired and requires to be renewed approximately of Rs.1,30,538/- to all societies (each of Rs.26,107)

Donation and Grants

Sr. No	Name	Income Donation/Grants (Rs.)
1.	Patient Care	1,35,000/-
2.	Research	20,09,824/-
3.	Training Programs/workshop	34,29,900/-
4.	Awards	8,480/-

Committees

Following work has been by DDF from 1st January 2018 to December 2018.

- Total Thirteen meetings held throughout the year.
- Six 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).

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:

- 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.
- 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.
- 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 2013 - 2016.
- Managing Trustee: Dr. Hemant Deshmukh, Dean, Seth GS Medical College & KEM Hospital
- Secretary: Dr. Rujuta Hadaye,
- Treasurer: Dr. Aparna Deshpande,
- Trustees: Dr. NN Rege, Dr. Sujata Patwardhan, Dr Vishnu Kanhere, Mr. Kishorekumar Mhatre,
- Advisor: Dr. RD Bapat, Dr. Lopa Mehta

Activities of the trust

- Diamond Jubilee Society Trust was able to collect Rs.4,60,22,105/- of donations in the year (January 2018- December 18 inclusive of Foreign donations of Rs.10,86,992/- and Government Research Grant of Rs. 3,57,72,973/- The donations are being used for the purpose stated by the donors.
- In addition, the trust does following activities:

Patient care

- Patient education programmes of Patient Education Cell were supported.

Donation received for Department Development:

- A Donation of was Rs. 8,11,742/- was donated by Resurge international towards needy patients of post burn contractures & provide financial help for reconstruction surgery for plastic surgery department.

Medical education

- Financial support of Rs. 1,16,600/- was extended for 12 research projects undertaken by the postgraduate students & Rs.4,63,200/- for 6 research projects undertaken by the Jr. faculty members.
- The students who have excelled in their academic career were awarded prizes and scholarships (n=46) by the trust. Funds for this purpose have been donated by the graduates, postgraduates and teachers of the institute.
- GOSUMEC Foundation, USA Research/Innovation Scholarship was awarded to the following undergraduate students for their meritorious research work
- Support extended Rs. 50,000/- to confluence 2018
- Donations were accepted for the following activities undertaken for (undergraduate and postgraduate) students:
- Donation received for instituting award
- A donation of Rs. 17,00,000/- was accepted from Dr. Kamaxi Bhate, Professor, Department of Community Medicine towards instituting award for a woman student scoring highest marks in final MBBS and for the highest scoring woman student in MD community this award in the name of "Mrs. Bharti Bhate prizes"
- A donation of Rs. 6,00,000/- was accepted from Dr. RA Bhalerao towards instituting award for a student standing first in the subject of "Anatomy" from GS Medical College at Undergraduate University examination in Anatomy & a student standing first in the subject of "Surgery" from GS Medical College at Undergraduate University examination in General Surgery.
- A donation of Rs. 3,00,000/- was accepted from Dr. Udit Jahagirdar towards instituting award for a meritorious female resident Obstetrics & Gynecology at Seth GSMC & KEMH, in the name of Mr. Nakulesh Mukhuty Gold medal award.
- A donation of Rs. 2,27,500/- was accepted from Dr. Rajeev Mehta towards instituting award for the P.G. Microbiology student at GSMC & KEMH, in the name of Dr. Preeti Mehta Gold medal award
- MUHS approved Fellowship/Certificate courses by various departments
- Undergraduate Certificate Course in Clinical Research conducted by the Department of Clinical Pharmacology under the aegis of MUHS

- 'Pharma Quiz' for the undergraduate students conducted by the Department of Pharmacology and Therapeutics
- 'Shidori', the co-curricular programme for the undergraduate students
- Cultural events organized by the undergraduate students like Advait (Marathi drama competition)
- Donations were accepted for the following Faculty development programmes
- Research Methodology Workshop, conducted by Department of Community Medicine in Feb - March 2018, July 18 & Oct 18
- 9th MCI Revise Basic Courses in Medical Education Technology was conducted by the GSMC – KEMH- MCI Nodal Centre in February 18.
- 6th MCI Advance course in Faculty development was conducted by the GSMC – KEMH- MCI Nodal Centre in March 2018.
- 14th 'GSMC FAIMER Regional Institute' by the ME Unit in April 2018.
- CME on "Medico-legal updates on medico-legal documentation and medical negligence" for faculty, students & others conducted by Forensic Medicine & Toxicology in April, 2018.
- CME on "Hysterectomy" conducted by Department of Obstetrics & Gynaecology in April, 2018
- Ventilation Workshop for clinicians and resident doctors conducted by Department of Neonatology in June 2018.
- CME on "Colo-Rectal Malignancy Surgery Video operative workshop" conducted by Department of Surgical Gastroenterology in July, 2018.
- "Surgery Junior Resident Orientation Programme 2018 (SJROP- 2018)" conducted by Department of General Surgery in August, 2018.
- Research Methodology workshop" conducted by Department of Obstetrics & Gynecology in August, 2018.
- CME on "Temporal Bone dissection workshop" conducted by Department of ENT in September 2018.
- ICSIS WEST ZONE Conference 2018" conducted by Department of General Surgery in October 2018.
- CME on "Endometriosis" conducted by Department of Obstetrics & Gynecology in October, 2018.
- "FESS Workshop 2018" conducted by Department of ENT in October, 18.
- BOS Pelvi acetabular Cadaveric Course' conducted by the Department of Orthopedics under the auspices of Bombay Orthopedic Society.
- Cadavers Basic Spine course conducted by the Department of Orthopedics in collaboration of Anatomy and Bombay Orthopedic Society.
- Phonosurgery Workshop was conducted by the Phonosurgery workshop trust and Department of Anatomy.
- Medical Research - The Trust has received donations (Rs. 63,66,127/-) for research projects undertaken by various departments. In addition, it received funds from Government organizations towards research projects (Rs. 3,57,72,973/-)
- Publication - Annual Report of Seth GS Medical College & KEM Hospital-2018 was published under the aegis of Diamond Jubilee Society Trust. Donations were also accepted for publication of manuals/ abstract books of courses, workshops and conferences conducted by the various departments.

Work environment

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

- Website of the institute to propagate the activities of the institute and facilitate communication and interaction with other medical professionals
- Annual maintenance of indoor patient monitoring software in Registration OPD and MRO section
- Printing of certificates for Foundation Day
- Institutional activities and functions (ORACON-2018)
- Maintenance of front lawn and garden in the KEM campus.
- Support for welfare activities of the institutional members (Women Development Committee)
- Support extended to purchase of chairs for hostels.

Department of Medical Education [DOME]

Department of Medical education has been recognized by MCI as GSMC-KEMH-MCI Nodal Centre to conduct the 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-MCI Nodal Centre

- Sensitization programmes (n=3) on Attitude Ethics and Communication (AETCOM) module and Revised Basic Courses were conducted in February (20th – 23rd), August (28th -31st) and October (9th – 12th)
- 9th Sensitization programme on Attitude Ethics and Communication (AETCOM) module and Revised Basic Course was conducted by the GSMC- KEMH-MCI Nodal Centre as a part of Faculty development programme. The participants were from the medical institutions in Maharashtra. A total of 30 participants registered. Of these, 14 was from GSMC, 16 were from Mumbai (other than GSMC). The designations were as follows: A. Professor & Head – 7, B. Professor – 3, C - Associate Professor - 11 and D. Assistant Professor – 9.
- 10th Sensitization programme on Attitude Ethics and Communication (AETCOM) module and Revised Basic Course was conducted by the GSMC- KEMH-MCI Nodal Centre as a part of Faculty development programme. The participants were from the medical institutions in Maharashtra. A total of 30 participants registered. Of these, 14 was from GSMC, 16 were from Mumbai (other than GSMC). The designations were as follows: A. Professor & Head – 3, B. Professor – 7, C - Associate Professor - 11 and D. Assistant Professor – 9.
- 11th Sensitization programme on Attitude Ethics and Communication (AETCOM) and Revised Basic Course was conducted by the GSMC- KEMH-MCI Nodal Centre as a part of Faculty development programme. The participants were from the medical institutions in Maharashtra. A total of 30 participants registered. Of these, 10 was from GSMC, 20 were from Mumbai (other than GSMC). The designations were as follows: A. Dean – 1, B. Professor & Head - 2 C. Professor – 7, D - Associate Professor – 13 and E. Assistant Professor – 7.
- The “Sixth MCI Advance Course in Medical Education Technology” was conducted by the GSMC- KEMH-MCI Nodal Centre from 5th March 2018 to 12th March 2018. The participants were from the medical institutions in Maharashtra and Gujarat. A total of 25 participants had registered for the course. Of these, 11 were from Mumbai, 2 from Navi Mumbai, 1 from Aurangabad, 1 from Miraj, 3 from Valsad, 4 from Nashik, 3 from Kolhapur.
- The “Seventh MCI Advance Course in Medical Education” was conducted by the GSMC- KEMH-MCI Nodal Centre from 4th September 2018 to 11th September 2018. The participants were from the medical institutions in Maharashtra and Gujarat. A total of 24 participants had registered for the course. Of these, 8 were from Mumbai, 2 from Navi Mumbai, 2 from Valsad 2 from Miraj, 2 from Kolhapur, 6 from Pune, 2 from Ahmednagar.

Faculty of Seth GS Medical College undergoing MCI Advance Course in MET at GSMC-KEMH MCI Nodal Centre:

- Dr. Kokila G. Kamath, Associate Professor, Department of Ophthalmology.
- Dr. Tejaswini Sonwane, Assistant Professor, Department of Physiology
- Dr. Priyaka Prasad, Associate Professor, Department of Microbiology
- Dr. Jignesh Gandhi, Associate Professor, Department of General Surgery

Silver Jubilee ceremony of Department of Medical Education

- Department of Medical Education has completed 25 years. In addition, we have completed 10 years as MCI Regional Centre for faculty development. An academic programme was organized on 10th September 2018 to celebrate the Silver jubilee. We felicitated Dr. Joglekar, our founder Member Secretary. Dr. N. Ananthakrishnan, Dean, Research & Allied Health Science, Sri Balaji Vidyapeeth, Puducherry was invited as a chief guest and he delivered a key note address on ‘Competency based Medical Education’.
- Dr Jagan Mohan our second guest speaker conducted a webinar on e-portfolio. Certificates were distributed to successful participants of MCI Advance course in ME.

Courses conducted at the institutions affiliated to the Nodal Centre Details of faculty from DOME who went as observers to Medical Colleges under GSMC-KEMH MCI Nodal Centre

Sr. No.	Name of Institute	Duration	Observer
1.	Lokmanya Tilak Municipal Medical College & Hospital, Sion, Mumbai	7 th to 9 th February 2018	Dr.Yuvaraj Bhosale, Professor, Dept of Anatomy
2.	Grant Government Medical College & JJ Hospital	20 th to 22 nd March 2018	Dr.Praveen Iyer, Professor, (Additional) Dept of Anatomy
3.	K.J. Somaiya Medical College & Research Centre	3 rd to 5 th April 2018	Dr.Rashmi Patil Associate Professor, Dept of Anatomy

Sr. No.	Name of Institute	Duration	Observer
4.	Armed Forces Medical College, Pune	16 th to 19 th May 2018	Dr. Sucheta Dandekar, Professor & Head, Dept. of Biochemistry
5.	Dr. V.M. Government Medical College, Solapur	24 th to 27 th July 2018	Dr. Rajneesh Pandey, Associate Professor Dept of Anatomy
6.	Rajiv Gandhi Medical College, Thane	28 th to 31 st August 2018	Dr. Satyaprakash Rane, Associate Professor, Dept. of Biochemistry
7.	Terna Medical College, Nerul, Navi Mumbai	7 th to 10 th August 2018	Dr. Rajneesh Pandey, Associate Professor Dept of Anatomy
8.	Government Medical College, Aurangabad	25 th – 28 th September 2018	Dr. Raakhi Tripathi, Associate Professor, Dept. Of Pharmacology
9.	Topiwala National Medical College & BYL Nair Hospital, Mumbai	25 th – 28 th September 2018	Dr. Munira Hirkani Associate Professor, Dept. Of Physiology
10.	Armed Forces Medical College, Pune	3 rd – 5 th October 2018	Dr. Sharmila Jalgaonkar, Associate Professor, Dept. Of Pharmacology
11.	Lokmanya Tilak Municipal Medical College & Hospital, Sion, Mumbai	9 th – 12 th October 2018	Dr. Satyaprakash Rane, Associate Professor, Dept. of Biochemistry

Gosumec Alumni Association

The office bearers of Gosumec Alumni Association are

- Dr. Avinash Supe – Dean, Director (ME&MH) and President (till October 2018), Dr. Hemant Deshmukh- Dean & President from November 2018.
- Dr. Sharad Gogate & Dr. Manjula Sarkar (Vice Presidents), Dr. Ram Prabhu & Dr. Gita Nataraj (Hon. Secretaries), Dr. Sunil Puntambekar & Dr. Sandhya Kamat (Hon. Jt. Secretaries) &
- Dr. NN Rege (Hon. Treasurer).
- Managing Committee members are Dr. AA Deshpande, Dr. DG Kurle & Dr. V Shivane, Dr. LA Mehta, Dr. MN Nadkarni, Dr. M Natarajan, Dr. J Shah, Dr. AB Tilwe, Dr. V Dedhia, Dr. M Kembhavi & Dr. M Abhyankar.

The following activities were carried out during the year 2018.

Student Scholarships

- Two students were awarded Dr. Brijlal Gupta Scholarship
- Dr. Subhash Korgaonkar Memorial Scholarship of Rs. 88925/- was awarded to one student
- LNS Memorial Scholarship: Rs. 57500/- each was awarded to two students.
- Dr. KT Gajjar Scholarship of Rs. 60000/- each was awarded to three students & Rs. 30000/- each to two students.
- Dr. Anushree D Patil Scholarship - Rs. 20000/- each was awarded to four students
- 26 students were financially supported through Dr. Kero, Mrs. Dalal, Dr. Kailash Pawar & 1987 Batch Funds and GAA funds.
- The prizes were given to thirteen winners of Ascension 2018 under the MLK chair of Medical Humanities.
- Indira Foundation's Motivation for Excellence Scholarships Full and partial free ship to open merit economically challenged students & financial support for implants for needy patients of KEM Hospital which were initiated in the year 2014 has been continued through funds received in DJST for this purpose from January 2018.

Other Activities

- Dr. R.B. Redkar Memorial awards for excellent administrative work were given to Mr. Namdev Dorugade & Mr. Nitin Mohite (Hospital Office Administrator) and Miss Pallavi Satam (College Office Administrator).
- Blood donation camp and five health camps were sponsored.
- Student activities such as Aavishkar, Confluence were provided financial assistance
- RemoteXs software for anywhere access to library's digital databases for staff and PG students was made available through contributions from DJST, Research Society, DDF & GAA.
- Maintenance and upgrading of Archives has been done throughout the year.
- Activities of Dr. Manu VL Kothari chair of medical humanities have been supported throughout the year. Ladies Common Room renovation project has been completed by June 2018.
- Series of Orations under ORACON were held.
- The Dr. Sindhu R Pandit Memorial Oration (20th January, 2018) was delivered by Dr. Harish K. Shetty on "Mental Health Soldier." Chairperson: Dr. S. R. Parkar, Dr. Manjula Sarkar

- Dr. Ram Prabhoo oration (26 February 2018) was delivered by Dr. Nicholas Antao on “Illuminate Your Being”
Chairpersons: Dr. S K Srivastava, Dr. Lopa Mehta. Both orations were well received.

Donations

- Dr. Nicholas Antao Rs.50000/- for Student / patient welfare activities
- Dr. Milind Kirtane Rs.100000/- for Dr. MLK chair in Medical Humanity
- Dr. Toru Gupta. Rs. 50000/-
- Dr. Subhash Korgaonkar Rs. 88925/-
- Dr. Anushree D Patil Rs.80000/-
- Rs. 10000/- from Dr. Jayashree Sharma
- Rs. 350000/- Dr. Apurva & Dr. Mrs. Parinda Mehta for Palliative care training & Direct patient Assistance
- Dr. Anita Bharat Shah- Rs.10 lakhs to be disbursed as “Dr. KT Gajjar Scholarship” annually amongst all economically needy students & fellowship given to any alumnus of Seth GSMC & KEMH, present or past for travelling abroad and doing short-term fellowship or specialized training in a specific field

GSMC FAIMER Regional Institute

The thirteenth GSMC FAIMER Regional Institute programme was conducted at Seth GS Medical College & KEMH, Mumbai from 16th April to 25th April 2018. A total of sixteen fellows from all over India and Malaysia participated in the programme. Ms. Ralf Rundgren Graves, Director FAIMER Regional Institutes Philadelphia, FAIMER faculty, inaugurated the programme. The programme module consisted of different sessions.

The following faculty of GSMC conducted these sessions (with co-faculty from other institutions for some of the sessions):

- Starting the Journey (Dr.Yuvaraj Bhosale, Dr.Rashmi Patil, Dr.Anjali Telang)
- Group Dynamics (Dr. Yuvaraj Bhosale, Dr. Rashmi Patil, Dr.Anjali Telang)
- FRI Learning (Dr. Sucheta Dandekar, Dr. Praveen Iyer, Dr. Mariya Jindani)
- Difficult conversations (Dr. Yuvaraj Bhosale, Dr.Shubhangi Parkar, Dr. Mariya Jindani)
- Introduction to Listserv (Dr. Yuvaraj Bhosale, Dr. Praveen Iyer, Dr.Rajneesh Pandey)
- MBTA (Dr. Sucheta Dandekar, Dr.Henal Shah, Dr. Dr. Mariya Jindani)
- Skill of change agent (Dr.Henal Shah, Dr. Ralf, Dr. Mariya Jindani, Dr.Yuvaraj Bhosale)
- GTP -Assessment and Application: Reliability and validity (Dr. Henal Shah, Dr. K.Shyamkishore, Dr. Sunil Kuyare)
- Project Evaluation: Outcome, Programme Theory, Indicators, Planning Tools (Dr. Praveen Iyer, Dr. Munira Hirakani, Dr.Ashwini Karve, Dr. Raakhi Tripathi, Dr. Avinash Supe)
- Educational Research: Introduction, Qualitative Research, How to do Survey (Dr. Nirmala Rege, Dr. Praveen Iyer, Dr.Sujata Khanhere, Dr. Munira Hirakani, Dr. Ajita Nayak)
- Workplace based assessment (Dr.Tejinder Singh, Dr.Santosh Salagre, Dr.Ashwini Karve, Dr.Milind Tullu)
- Assessment for learning (Dr.Tejinder Singh, Dr.Sunil Kuyare, Dr.Lalita Chandan)
- GTP Feedback (Dr. Shubhangi Parkar, Dr. Ajita Nayak, Dr. Nirmala Rege, Dr. Varsha Phadke)
- Use of technology in learning: E learning, Moodle, listserve, blogs (Dr. Munira Hirakani)
- ML Web Assignment (Dr. Rajneesh Pandey)
- Sharing best practice (Dr. Nirmala Rege)
- Poster Session (Dr. Santosh Salagre)
- Sustaining Change and Planning for Future (Dr. Ajita Nayak)
- Mentoring Skills (Dr. Chetna Desai, Dr. Sucheta Dandekar, Dr. Santosh Salagre)
- Interprofessional Education (Dr. Ciraj Ali, Dr. Sucheta Dandekar, Dr. Mariya Jindani)
- Abstract Writing II (Dr. Milind Tullu, Dr. Raakhi Tripathi, Dr. Sujata Khanhere)
- Professionalism (Dr. Santosh Salagre, Dr. Padmaja Samant, Dr. Nirmala Rege, Dr. Avinash Supe)
- Competency driven Curriculum: Concepts & Implementation (Krishna Sheshadri)
- Managing the monkey (Dr. Sucheta Dandekar)
- Education Resources Sharing (Dr. Vasumathi, Dr. Avinash Supe)
- Learning circles (Dr. Sucheta Dandekar)

There was an interactive poster session of 2017 and 2018 batches.

A workshop entitled, ‘Managing Stakeholders for Successful Projects’ was conducted by Ms. Ralf Graves, Director, FAIMER Regional Institute with Dr Nirmala Rege.

Faculty Members of Department of Medical Education as Guest Faculty

- Dr.N.N. Rege invited as panelist for Panel Discussion: The role of Regional and Nodal MCI Centers in the Global Conclave on Medical Education, 'Conceptz' hosted by Kasturba Medical College, Manipal under the aegis of Manipal Academy of Higher Education held on 6th and 7th April 2018.
- Dr.N.N. Rege invited by Khesar Gylapo University of Medical Sciences of Bhutan as expert curriculum reviewer for curriculum revision and development and to conduct workshop on "Curriculum Revision, Implementation and Evaluation"
- Dr.N.N. Rege conducted preconference workshop on "Experiential Learning: Transforming Theory into Practice" at NCHPE 2018 held at Nagpur on 15th November 2018
- Dr. Munira Hirkani conducted preconference workshop on "Implementation of Competency Based Medical curriculum" at NCHPE 2018 held at Nagpur on 15th November 2018
- Dr. Avinash Supe conducted at preconference workshop at NCHPE 2018, METCON 2018, MGIMS and many others
- Dr. Sucheta Dandekar Invited speaker for Research Methodology workshop for JJ School of Nursing on 11th January, 2018.
- Dr. Sucheta Dandekar conducted session on "Social obligation- how prepared are the medical schools in India" at Manipal on 23rd February 2018.
- Dr. Sucheta Dandekar invited by Dr. Walawalkar's Rural Medical College, Dervan, Chiplun. Lectures on Research Methodology, "Qualitative Analysis", "Evaluation of diagnostic test" and "Questionnaire Design" for MUHS
- Dr. Sucheta Dandekar conducted a symposium on "Newer Approach to Assessment in Biochemistry" at National Conference of Association of Clinical Biochemists of India, in Goa, 25-27 October, 2018.
- Dr. Sucheta Dandekar conducted Pre- Conference workshop on "Refocusing basic sciences in clinical teaching" at the NCHPE held at Nagpur 15-16th November. 2018
- Dr. Sucheta Dandekar invited by Staff Society of KEM Hospital to talk on 'Rethinking social obligation in health professionals' education. 30th November 2018.
- 10th NCHPE 2018 was held from 15th - 17th November 2018 at NKP Salve Institute of Medical Science & RC & LMH, Nagpur. Following members from Seth GS Medical College attended the conference: Dr. Munira Hirkani, Dr. Lalita Chandan, Dr.Santosh Salagre, Dr.Raakhi Tripathi, Dr. Sucheta Dandekar, Dr. N.N. Rege, Dr. Avinash Supe
- Dr. Yuvaraj Bhosale, Dr. Praveen B Iyer, Dr. Rashmi Patil and Dr. Rajneesh Pandey were invited resource faculty for various MUHS workshops on Health Science Education Technology including Resident as Teacher Workshop
- Dr. Yuvaraj Bhosale and Dr. Praveen B Iyer were invited faculty for Workshop on Measurement and Evaluation at Krishna Institute of Nursing Sciences, Karad in February 2018
- Dr. Yuvaraj Bhosale and Dr. Praveen B Iyer were invited faculty for Workshop on Student Induction Programme at Krishna Institute of Medical Sciences, Karad in June 2018

Publications

- Rege NN, Tripathi RK Eds. Pharmacology Specific Learning Objectives, 1st ed., New Delhi: CBS Publishers and Distributors Pvt. Ltd., 2018
- Rege NN, Tripathi RK. Status of Research in Education in Pharmacology: The Indian Scene During the Last Five Years. Proc Indian Natn Sci Acad 2018; 84 (1): 233-54.
- Hirkani M, Supe A. Technology Enhanced Learning in Undergraduate Health Professions Education: An Indian Perspective Journal of Education Technology in Health Sciences, May-August 2018;5(2):69-79

GSMC MUHS UNESCO Bioethics unit*Highlights & Achievements*

- A Memorandum of Rules and Regulations for Bioethics Unit was formulated and was approved by the Dean. As per the constitution, new office bearers and student wing members were appointed.
- 'WALKATHON- an ethical march' was silently carried out inside the campus by unit members and Student wing. KEMH teaching and nonteaching staff and students also joined walkathon
- Ms. Gautami Chaudhari won 2nd prize in the international UNESCO bioethics International Scientific Posters Competition -2018.
- Dr Santosh Salagre has been appointed as National Chair, Faculty Training, Indian Programme of UNESCO Chair in Bioethics Haifa.

- An Inter- Collegiate Elocution Competition on Bioethics, “Speak from your heart” was held in the Sen Kinnare Auditorium on 12th March 2018. Nine colleges from Maharashtra participated. The topic for the final round was “Patient rights”
- World Bioethics Day Celebrations - The World Bioethics Day 2018 Celebrations started with various competitions for undergraduate students on the theme 2018- “Solidarity and Cooperation”. The celebrations culminated into the mega event held on the 17th October 2018. Dr. Manisha Gupte, Founder (MASUM), Pune; chief guest on this occasion, delivered a key note address on the theme, “Solidarity and Cooperation in Health”.
- Panel discussion on the theme “Use of Generic Medicines”. The panelists were Dr.Avinash Supe; Dr.Jayashree Ghanekar, Dr.Aamir Shaikh, Dr.Omprakash Sadhavani, Session was moderated by Dr.Nirmala Rege
- Annual bulletin of the unit, “INARCH” edited by Dr Padmaja Samant was released during the World Bioethics Day celebration on 17th October 2018.
- Education: GSMC MUHS UNESCO Bioethics unit conducts training for undergraduate students across various disciplines in accordance with the syllabus designed by MUHS and UNESCO chair, Haifa. The modules are conducted by trained members and experts in the field.

Discipline & Batch	Date	Topic covered
1 st MBBS - Admission batch 2017	January 10, 2018	Introduction to Ethics, Medical Ethics, Bioethics History, Bioethical Principles and Cultural diversity. Human rights and dignity, Benefit and Harm, Empathy, Autonomy, Equality and justice
Ist OT & PT – Batch 2017	February 28, 2018	
Ist MBBS, OT & PT-Batch 2018	September 2018	
2 nd MBBS and OT and PT- Admission Batch 2016	March 16, 2018	Research Ethics, Consent and Assent, environmental ethics
III MBBS – Admission Batch 2014	July 12, 2018	End of life issues, Advance Directive. Organ donation. THOAc
Interns	February 20, 2018 August 13, 2018	Doctor patient relationship and communication skills and Professionalism
Nursing Students	MUHS and Nursing syllabus modules for 1 st and 3 rd year students was held on 5 th April 2018.	

- Student wing Activities: The unit has a strong student wing that carries out various activities. Outside classroom activities are carried out to sensitize towards ethical values, team work and leadership. Experts from outside and within the institute are invited as judges. This year competitions were held on the theme “Solidarity and Co-operation in Healthcare”.
- Poster Competition 2018: 58 posters received from all employees of KEMH & Seth GSMC Winners were as: First Prize: Nidhi Ranka (BPTH). Second Prize: Mansi Palan (II BPTH) And Third Prize: Mrunmai Gaikwad (II BPTH)
- Ethoscope: A Short Film Competition. 6 films were received from MCGM medical colleges. Winners were as
- “Not just one handshake” – Film by physiotherapy students got first prize
- Paulkhuna: story of one different pathway. Film by nursing students and Hatbal - Film by MBBS students got second prize
- Debate – the Faculty – PG students debate -- An exciting, jaw opening, mesmerizing PG DEBATE was held at Seth GSMC and KEMH. The debate was centred around the topic ‘compulsory service bond improves healthcare delivery’. The teacher’s group spoke FOR the topic and the residents spoke AGAINST.
- Street play competition 2018 -- A grand street play competition was showcased outside the canteen on the theme of solidarity and cooperation. Winning team was from school of Nursing, Seth GSMC & KEMH.
- The audio- visual competition: “The Audio-Visual Event” participants, in teams of 3 were shown a film clip which had ethical dilemmas or highlighted specific ethical principles. They identified the principles and explain them. Winning Team were from final year Occupational therapy: Dejul Dedhiya, Priya Vadhan, Harshika Faria
- Tagline Competition for best slogans on the theme ‘Solidarity and Cooperation was held on 5th April 2018. – Winners were 1st Prize: Aishwarya Pawar (Final BPTH), 2nd Prize:Eera Fatima (2nd MBBS) and 3rd Prize: Perna Ghodke (Intern BPTH)
- Research: Perception of knowledge attitude and practices of medical ethics in undergraduates of health care profession. Omkar Thakur, Gautami Chaudhari, Mariya Jiandani, S B Salagre
- Publications- The following articles were written and published by members in annual bulletin “INARCH” 2018.Vol 3.
- Faculty Development in Bioethics Training – A National Movement. Dr S B Salagre
- Teaching Reproductive Ethics – A Gender Justice Case study. Dr Padmaja Samant
- Support Groups: A Step towards Solidarity in Health Care. M P Jiandani, Jyotsna Thosar
- Solidarity and Unity towards the Disabled: Many in body but one in mind. Dr Karuna Nadkarni, Dr Usha Kasar

- Use of Generic Drugs, Dr Padmaja Marathe, Dr Nayana Ingole
- Ayushman Bharat: Solidarity and Cooperation. Ms Gautami Chaudhari
- The # Me Too Movement. Dr. Swathi H.V, Dr. P.Y.Samant

Awards & Honours

- Dr Santosh Salagre appointed as National Chair, Faculty Training of Indian Programme of UNESCO chair in Bioethics, Haifa conducted 'Communication Skills Workshop' for undergraduate students at H B T Medical college, & R N Cooper Hospital organized by Bioethics unit on 5th & 6th February 2018. Audio & Speech therapy Department of T N Medical College, Mumbai on 19th October.
- He was appointed as Training faculty at the accredited "3T- IBHSc Training Course for health Science Faculty held at Sri guru Ram Das University of Health sciences, Sri Amritsar, Punjab from 26th to 28th February for Medical Teachers"; All India Institute of Medical Sciences, Jodhpur from 23rd to 25th May 2018; Pt. Deendayal Upadhyay Memorial Health Sciences & AYUSH University of Chhattisgarh, Raipur from 28th to 30th May 2018; and Maharaja Agrasen Hospital, New Delhi from 14th to 16th October 2018.
- He also participated at the 2nd National Quality Assurance Camp & Certification of Trainers on 26th & 27th May 2018 organized by The Tamil Nadu Dr M G R Medical University, Chennai & the department of Education, UNESCO Chair in Bioethics Haifa.
- Looking Ahead: Training of Postgraduates in Bioethics & clinical ethics through Grand Rounds.

Gymkhana

Activities

- 'Echo of the 90s, AAVISHKAAR', the annual college fest was organised from 21st to 24th February, 2018, under the Chief Core Coordinator Gauri Chikhalkar and Treasurer Vedant Rathi.
- 'CONFLUENCE' - a four day, all India, UG and PG medical conference was held from 1st to 4th August 2018, under Academic Secretaries Ashlesha Ganorkar and Nehar Rajapurkar.
- 'ASCENSION'- Medical Humanities Conference was held on 9th-10th March 2018, under Medical Humanities Secretaries Nikit Kothale and Mehreen Mir, in association with Dr, Manu V. L. Kothari Chair of Medical Humanities and Division of Medical Humanities.
- 'AARAMBH': Orientation session was organised for the newly admitted batch of MBBS, OT and BPMT courses, giving them a campus orientation.
- 'RENDEZVOUS': A meeting of juniors and seniors was organised as a part of measures taken to reduce ragging and promote a healthy interaction.
- COLLEGE WEEK and FRESHERS WEEK were organised by the Cultural Departments (PA and FA) with events like GS Khoj, Dandiya night, Talent Hunt, Face painting competition etc.
- The college magazine, 'GOSUMAG' was released on 24th April 2018 under the Chief Editor Devanshi Shah.
- The 8th edition of the official GSMC and KEMH newspaper 'THE LARYNX' was released on 4th September 2018, under the Secretaries Aditi Kodare and Ankur Shinde
- On the occasion of World Physiotherapy Day, Physiotherapy week was celebrated.
- Teacher's Day celebration with various performances and games was organised in Occupational Therapy Department
- Renovation of LCR was completed.

Achievements

- Tennis Court was Renovated.
- Hospital maps were put up across the Campus for the convenience of the patients.
- A Gymnasium was set up in UGPG Girls wing.
- Tennis, Basketball and Volleyball courts: Repair of Floodlights and fencing was done.
- Library was made available to the students 24x7
- 'GS UPDATES' App was launched and is now available on Google Play Store for use by Students and Faculty.

Awards and honors

GSMC Students won many awards and prizes in events

- MUHS Table tennis: Amit Dashputra, Pulkit Popat and Param Sampat
- MUHS Badminton Captain: Ravikumar Keswani
- IRON MAN TRIATHLON: Shivraj Tagare

- Symposium
 - Senior Symposium Team: 1st at BJMC and 2nd at RGM
 - Junior Symposium Team: 2nd at AFMC, 3rd at SKNMC
 - Nikita Chandak- Best Speaker- GMC Miraj & Seth GSMC
 - Best Technical Team – Seth GSMC

Community care

- Cleanliness of campus under CFHC
- Organised an orientation of the various wards and OPD for the students under the GOSUMAG secretary Devanshi Shah

Future plans

- Renovation of BCR
- Renovation of Purandare stadium will be done by MCGM
- Renovation of Volleyball Court

Institutional Ethics Committee (IEC-1 & IEC-II)

Accreditation / Recognition	IEC-I	IEC-II
DCGI & Licensing Authority: Drugs Controller General (India)	Re-Registration No. ECR/229/Inst./MH/2013/RR-16	Re-Registration No. ECR/417/Inst./MH/2013/RR-16
	Valid from 22.04.2016 to 21.04.2019	Valid from 06.08.2016 to 05.08.2019
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.	Valid from Nov 20, 2016 thru Nov 19, 2020	Valid from Nov 20, 2016 thru Nov 19, 2020
NABH: National Accreditation Board for Hospitals & Healthcare Providers (Constituent Board of Quality Council of India).	Valid from May 19, 2018 thru May 18, 2021 Certificate No. EC-CT- 2018-0027	Valid from October 30, 2018 thru October 29, 2021 Certificate No. EC-CT- 2018-0057

Current SOPs Version 5.1, V5.1 Dated 2nd April 2018 effective from 1st July 2018

Both committees presently function according to the requirements laid down in Schedule Y 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 IEC-I

A total of 41 meetings (12 full board meetings and 29 SAE Subcommittee meetings) were held in the year 2018. A total of 22 pharmaceutical sponsored projects, 3 government sponsored project, 77 other academic projects and 134 thesis / dissertations were submitted to the IEC-I for initial review during the year.

3 other academic projects were approved at first submission as there were scientific and ethical lacunae in the submitted protocols. The comments by the IEC-I members, pertaining to modifications in the protocol were sent to investigators. The answers to IEC-I comments were then reviewed and the project was granted approval. Following is the status of the projects submitted to the IEC-I in the year 2018

Year 2018	Projects reviewed	Under Process	Approved
Pharmaceutical sponsored projects	20	9	11
GOVT sponsored projects	3	2	1
Thesis	123	40	83
Other Academic	77	33	44
Total	223	84	139

In regards to sponsored studies:

	Year 2018	PHARMA	GOVT
I	Total no. of projects reviewed by IEC-I	20	3
III	Type of study	Phase I	1
		Phase II	-
		Phase III	-
		Phase IV	-
		Phase II & III	-
		BABE	-
		NA	-

Serious Adverse Events:

	Total 29 SAE meeting held till 20 th December 2018					
	Particulars		PHARMA	GOVT	OA	THESIS
1	Total no. of SAE at our site:	Initial report	08	02	01	-
		Follow up report	12	02	01	-
		causality	-	-	-	-
2	Total no. of death		01	02	-	-
3	Our site late reporting (after 24 hours)		-	-	-	-
4	Responses (query) from EC regarding our site SAEs Noted letters sent	Query letters sent	17	01	02	-
		24	03	01	-	
7	Total no. of Adverse Events (AE) reported		-	-	-	-
8	Total no. of SUSAR/CIOMS reported:		3413	-	-	-

Activities of the IEC-II in the year 2018

- A total of 12 meetings were held in the year 2018. A total of 09 pharmaceutical sponsored projects, 05 government sponsored projects, 89 other academic projects and 129 thesis / dissertations were submitted to the IEC-II for initial review during the year.
- 1 thesis and 1 other academic project was approved at first submission as there were scientific and ethical lacunae in the submitted protocols. The comments by the IEC-II members, pertaining to modifications in the protocol were sent to investigators. The answers to IEC-II comments were then reviewed and the project was granted approval. Following is the status of the projects submitted to the IEC-II in the year 2018

Year 2017	Total reviewed projects	Under Process	Approved
PHARMA	09	08	01
GOVT	05	03	02
Thesis	129	41	88
Other Academic	89	31	58
Total	232	83	149

Total projects reviewed by the IEC-I & II in the year 2018

	Departments	PHARMA	GOVT	Thesis	Other Academic
1	Anaesthesia	-	-	39	17
2	Anatomy	-	-	2	1
3	Biochemistry	-	1	1	3
4	Cardiology	3	-	-	-
5	Clinical Pharmacology	1	-	-	6
6	Chest Medicine	-	-	4	1
7	Dermatology	2	-	7	4
8	Dentistry	-	-	-	1
9	Endocrinology	2	2	-	7
10	ENT			4	-
11	Forensic Medicine			1	6
12	Gastroenterology	9		-	7

	Departments	PHARMA	GOVT	Thesis	Other Academic
13	General Surgery			24	5
14	Hematology	2		-	-
15	Medicine			29	3
16	Microbiology			6	2
17	Neurology	6		-	-
18	Neonatology	1	1	-	6
19	Nephrology			-	4
20	Nuclear medicine			-	3
21	Obstetrics and Gynaecology		-	26	5
22	Orthopaedics	1		15	2
23	Ophthalmology	1		2	-
24	OT			9	3
25	Pathology			16	1
26	Paediatrics			17	1
27	Paediatrics surgery			-	2
28	Plastic Surgery			-	6
29	Psychiatry		-	9	6
30	PSM		3	18	18
31	Pharmacology & Therapeutics	1		2	17
32	Physiology			2	3
33	PT			7	17
34	Radiology			8	-
35	Surgical Gastroenterology			-	4
36	Transfusion Medicine			4	-
37	Urology		1	-	5
	TOTAL Reviewed	29	8	252	166

Status of the ongoing academic projects as on 20th December 2018

Year	Pharmaceutical sponsored projects	GOVT sponsored projects	Other Academic projects	Thesis	Total
2009				1	1
2010			1		1
2011			1		1
2012			3		3
2013	2		2	52	56
2014		1	5	29	35
2015			11	34	45
2016	2	3	21	60	86
2017		3	28	101	132
Total	4	7	72	277	360

Constitution of IEC-I

Sr. No.	Name	Position on IEC-I	Designation & Affiliation	Qualification	Gender
1	Dr. Padmavathy Menon	Chairperson (External)	Consultant Endocrinologist, Jupiter Hospital, Thane & LH Hiranandani Hospital, Powai, Mumbai.	M.D.	F
2	Dr. Sharmila Jalgaonkar	Member Secretary	Associate Professor (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.	M.D.	F

Sr. No.	Name	Position on IEC-I	Designation & Affiliation	Qualification	Gender
3	Dr. Yashashri Shetty	Joint Member Secretary	Associate Professor (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.	MD, DBM.	F
4	Dr. Smrati Bajpai	Member (Physician)	Assistant Professor (Medicine) Seth GS Medical College and KEM Hospital Mumbai.	M.D., DNB.	F
5	Dr. Urmila Thatte	Member (Basic medical scientist)	Professor & Head (Clinical Pharmacology) Seth GS Medical College and KEM Hospital Mumbai.	M.D., DNB., Ph.D.	F
6	Ms. Veena Johari	Member (External Legal Expert)	Independent Lawyer	L.L.B.	F
7	Dr. Uma Jadhav	Member (Social scientist)	Community Development Officer (Social Services) Seth GS Medical College and KEM Hospital Mumbai.	M.S.W., L.L.B., Ph.D (Health Systems Studies)	F
8	Ms. Surinder V Mudaliar	Member (Lay person)	Office Superintendent Indian Railway.	M.A., B.Ed.	F
9	Dr. Sandeep Bavdekar	Member (External scientific expert)	Pediatrician	M.D., D.N.B., D.C.H., F.C.P.S., F.M.E.	M
10	Ms. Palsule Shilpshree	Member	Assistant Professor (occupational Therapy) Seth GS Medical College and KEM Hospital Mumbai.	MOTh	F
11	Dr. Kaizad Damania	Member (External Scientific Expert)	Professor (Obstetrics & Gynecology) N. Wadia Maternity Hospital, Mumbai.	M. D., DNB., F.C.P.S., D.G.O., D.F.P.	M
12	Dr. Sona Dave	Member (External Scientific Expert)	Professor, (Anesthesiology) TNMC & BYL Nair Charitable Hospital, Mumbai.	M.D., DA., DNB	F
13	Dr. Alka A. Subramanyam	Member (External Scientific Expert)	Associate Professor (Psychiatry) TNMC & BYL Nair Charitable Hospital, Mumbai.	M.D., D.N.B., DHA.	F
14	Dr. Amita Joshi	Member	Professor & Head (Pathology) Seth GS Medical College and KEM Hospital Mumbai.	M.D.	F
15	Dr. Tushar Rathod	Member	Associate Professor (Orthopedics) Seth GS Medical College and KEM Hospital Mumbai.	M.S., F.C.P.S., Ph.D (Ortho)	M

Constitution of IEC-II

	Name	Position on IEC-II	Designation & Affiliation	Qualification	Gender
1	Dr. Alan F. Almeida	Chairperson	Consultant Nephrologist and Transplant Physician PD Hinduja Hospital, Mumbai.	MD., MNAMS (Nephrology).	M
2	Dr. Snehalata Gajbhiye	Member Secretary	Assistant Professor (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.	M.D., FICS.	F
3	Dr. Amey Rojekar	Joint Member Secretary	Assistant Professor (Pathology) Seth GS Medical College and KEM Hospital Mumbai.	M.D., D.N.B.	M
4	Dr. Kavita Joshi	Member (Physician)	Associate Professor of Medicine, Seth GS Medical College and KEM Hospital Mumbai.	M.D.	F

	Name	Position on IEC-II	Designation & Affiliation	Qualification	Gender
5	Dr. Padmaja Marathe	Member (Basic medical scientist)	Professor (Additional) (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.	M.D.	F
6	Dr. Leena V. Gangolli	Member	Consultant, Palliative Care Consultant, Silver Innings Foundation.	M.B.B.S., M.H.A. (T.I.S.S.), M.P.H. (Harvard University), L.L.M. (University of Mumbai)	F
7	Dr. Nilesh Thakre	Member (External Social Scientist)	Associate Professor, Psychology, SNDT Women's University, Mumbai.	Ph.D. Psychology, M.A (Industrial & Business Psychology), M.I.R.P.M., M.A. (Clinical Psychology), N.E.T in Psychology, PGDICI, Dip TD.	M
8	Dr. Sai Kulkarni	Member (External Layperson)	-	PhD, M.A	F
9	Dr. Yuvaraj B. Chavan	Member	Professor (Additional) (PSM) Seth GS Medical College and KEM Hospital Mumbai.	M.D.	M
10	Dr. Deepa Kane	Member	Professor (Anesthesiology) Seth GS Medical College and KEM Hospital Mumbai	M.D.	F
11	Dr. Padmaja Samant	Member	Professor, (Obstetrics & Gynaecology) Seth GS Medical College and KEM Hospital Mumbai.	MBBS, M.D.	F
12	Dr. Sunil Kuyare	Member	Associate Professor, (Microbiology) Seth GS Medical College and KEM Hospital Mumbai	M.D., PGDHA, FME.	M
13	Dr. Sushma Save	Member ((External Scientific Expert))	Associate Professor, Dept of Pediatrics, Topiwala National Medical College & B. Y. L. Nair Charitable Hospital.	MD, DCH, IBCLC (USA).	F
14	Ms. Jaimala Shetye	Member	Associate Professor (Physiotherapy) Seth GS Medical College and KEM Hospital Mumbai.	MPTh	F
15	Ms. Veena Johari	Member (External Legal Expert)	Independent Lawyer	L.L.B.	F

IEC-I & II Office bearers

- Mrs. Janhavi Katkar, Administrative Manager, (nayanvkatkar@gmail.com)
- Mrs. Manali Naik, Executive Assistant, IEC-I
- Ms. Manasi Lad, Executive Assistant, IEC-I& SAE Subcommittee
- Ms. Shweta Surve, Executive Assistant, IEC-II
- Ms. Prajakta Auti, Executive Assistant, IEC-II & SAE Subcommittee
- Ms. Rasika Nikharange, Executive Assistant, IEC-I
- Mr. Mangesh Khochade, Office Attendant
- Mr. Vijay Chavan, Office Attendant

Activities of the IEC

- Training programs attended by IEC members and IEC staff:
- Presented papers/poster related to research ethics at conference:
- Presented paper in UK Sheth prize for oral prize category at 50th Annual Conference of Indian Pharmacological Society organized by NMIMS Mumbai on 15-17th February 2018 for the paper titled 'Audit of project proposals submitted to ethics committee to address the issue of vulnerability among research participants.'

- Paper presented at 18th FERCAP (Forum for Ethical Review Committees in the Asian and Western Pacific Region) International Conference at Chang Gung Memorial Hospital, Taoyuan, Taiwan during 19-20th November 2018. Dr. Gajbhiye SV, Dr. Jalgaonkar SV, Ms Shweta Surve, Ms Manasi Lad. An observational study to assess completion reports for compliance of research proposals to the institutional ethics committee approved protocol.
- Marathe PA, Tripathi RK, Kamat SK, Shetty YC, Kuyare SS, Thatte UM. Compensation for Participation in Research: A Review of Protocols and Informed Consent Documents Submitted for Review to two Ethics Committees. Perspectives in Clinical Research. 2018 April;9(2):64-9.
- Shetty YC, Singh VK, Brahma S and Saiyed A. Conflict of Interest in Research and Its Current Status in India. World Journal of Pharmacy and Pharmaceutical Sciences .2018 Oct 1 ;7(10): 805-816 ISSN 2278 – 4357.

Publication related to research ethics in scientific journals

	Topic	Authors	Journal
1	Audiovisual recording of the consenting process in clinical research: experiences from a tertiary referral centre. Perspect Clin Res 2018; 9: 44-7	Shetty PA, Maurya M, Figer BH, Thatte UM & Gogtay NJ.	
2	An audit of minutes of Subject Expert Committee [SEC] meetings as a metric to assess the clinical research roadmap of India. Accepted for publication. Perspectives in Clinical Research.	Shetty P, Gogtay NJ, Thatte UM.	
3	An audit of studies registered retrospectively with the clinical trials registry of India: A one-year analysis. Perspect Clin Res [Epub ahead of print] [cited 2018 Jul 2]. Available	Birajdar AR, Bose D, Nishandar TB, Shende AA, Thatte UM, Gogtay NJ.	from: http://www.picronline.org/preprintarticle.asp?id=235245
4	Payment for participation in clinical research- a review of proposals submitted to the ethics committee. Perspect Clin Res 2018; 9: 64-9.	Marathe PA, Tripathi RK, Shetty YC, Kuyare SS, Kamat SK, Thatte UM.	
5	Adherence of Medical Case Reports Published In 2015 In PubMed Indexed Indian Journals to CARE 2013 Guidelines. Accepted for Publication. Indian Journal of Medical Ethics.	Ravi R, Mulkalwar A, Thatte UM & Gogtay NJ	
6	Investigator preparedness for monitoring and audits. Perspect Clin Res 2018; 9: 95-98.	Ravi R, Bose D, Gogtay NJ, Thatte UM.	
7	An evaluation of reporting of consent declines in three high impact factor journals. Accepted for publication in "Clinical Ethics"	Figer BH, Thaker SJ, Boob M, Gogtay NJ, Thatte UM.	

Winning Prizes for papers /posters related to research ethics at conferences:

- Awarded 2nd prize in e poster to Gajbhiye SV, Surve SV, Jalgaonkar SV, Lad MS for paper titled, ' An observational study to assess completion report for compliance to research proposal to the institutional ethics committee approved protocol & #39; 6th National Conference of Forum for Ethics Review Committees in India FERCICON on 30th Nov-1st Dec 2018 at Kasturba medical college, Mangalore.

Infection Control Committee

The infection control committee is headed by Dean (G & K) as the chairperson. The other members include DD (I); DD (II); Prof. & Head (Microbiology) (Convenor); Prof. & Head (General Surgery); Prof. & Head (Neurosurgery); Prof. & Head (Medicine); Prof. & Head (Pediatrics); Prof. & Head (Neonatology); Prof. & Head (CVTS); Prof. & Head (Plastic Surgery); Prof. & Head (Chest Medicine); Prof. & Head (Pharmacology); Prof. & Head (Pediatric Surgery); Prof. & Head (Anaesthesia); Prof. & Head (Urology), Prof. & Head (Ophthalmology); Prof. & Head (ENT); Prof. & Head (GI surgery); Prof., Pediatrics; Member, PSM; Member, Orthopedics; Member, Pathology; Member, Gynaecology; Member, Cardiology; Member, ENT; Member, Pharmacology; Member, Nephrology; Member, Microbiology; Superintendent of Pharmacy; Matron; Infection Control Nurse; Suptd. Of Pharmacy; Security Officer (ASO); A.E (M & E); A.E (Civil) and HIC coordinator.

Seven meetings were held during the year.

Routine activities

Established in 1990, meant to analyse, scrutinize and lay guidelines to curb infection in our institute. The chairperson being the Dean of the institute and convenor being microbiologist. A total of 7 meetings were conducted in the year 2018. An

additional member from microbiology (Dr. Sunil Kuyare) was added in 2018 as Infection Control Officer. Different issues with respect to infection control, antibiogram of different departments, BMW segregation practices, introduction of newer technologies to reduce infection, sterilization and disinfection practices, HCW safety and cleanliness were discussed during the meeting.

The following activities were undertaken

- Awareness on BMW Management Rules, 2016 for all categories of staff (670 by Infection control officer) and by respective departments.
- MRSA surveillance (Targeted)

Highlights

Steps taken to reduce/prevent needle stick injury (NSI)

- Introduction of easy to handle and easy to use hub cutter, provision of additional needle burners
- Strengthening counselling by personal contact with HCWs with NSI to register with ART and completion of treatment

Staff safety programmes

- Introduction of point awareness programme in case of NSI
- A total of 3158 HCWs have registered for Hepatitis B vaccination and received at-least one dose

Eco-friendly activities

- Introduction of compostible biomedical waste bags for segregation
- Enlisting the medical material to be exempted from plastic ban

Innovations

- Mobile app for audit of Biomedical Waste management practices (process of copyright)
- Initiated fellowship in infection prevention and control with specific reference to hospital acquired infections in collaboration with MUHS, Nashik. Awaiting response from MUHS
- A computer-based Hepatitis B software for reminder calls to improve the completion of vaccination course

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 crosslinked 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 64th year of being published. Its Impact Factor® as reported in the 2017 Journal Citation Reports® (Clarivate Analytics, 2018) is 1.095. 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 freeaccess (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. Its Editorial team consists of Dr. Sunil Karande (Editor); Dr. Shirish Joshi and Dr. Manjula Sarkar (Associate Editors) and Mrs. Mariya Jiandani, Dr. Sweta Salgaonkar and Dr. Shilpa Sankhe (Assistant Editors). The achievements of the journal for this year have been: (i) more than 95% of its Staff Society Members subscribers have now opted for e-version access, a noble environmentally-friendly initiative; (ii) All 4 issues have been published on time; (iii) its visibility, readership, and downloads for personal use have further increased after getting listed in the prestigious digital repository PubMed Central and the launching of its JPGM iPad app.

ORACON – ORATIONS held at the institute

20th January, 2018- MLT

- Dr. Sindhu R Pandit Oration delivered by Dr. Harish K. Shetty, Consulting Psychiatrist, Mumbai on "Mental Health Soldier." Chairperson: Dr. S. R. Parkar, Dr. Manjula Sarkar.

- Dr. U.K. Sheth Oration delivered by Dr. Satish V. Khadilkar, Consulting Neurologist, Mumbai on “Physician: The Healer & The Professional” Chairperson: Dr. N A. Kshirsagar, Dr. Sangeeta Ravat.

20th April 2018 –MLT

- Dr. M. D. Motashaw Oration delivered by Dr. B. V. Gandhi, Senior Consultant Nephrologist & Transplant Physician, Mumbai on “Expanding Donor Pool in Organ Transplantation: A journey of four decades. Chairpersons: Dr. Alan Almeida, Dr. Ashok Kirpalani.
- Dr. T. O. Shah Oration delivered by Dr. Joao Flavio Nogueira, Endoscopic ENT Surgeon, Brazil. on “Endoscopic Ear Surgery: Fact or Fiction?” Chairpersons: Dr. Samir Bhargav, Dr. Pradeep Uppal.

7th August 2018 -MLT

- Dr. Manek P Bhagat Oration delivered by Dr. Rashid Merchant, Consultant Pediatrician, Mumbai on “Immunodeficiency: Lessons from a Pediatrician’s Diary” Chairpersons: Dr. Mahrukh Joshi, Dr. Mukesh Desai.
- Dr. Ivan Pinto Oration delivered by Dr. Yash Y Lokhandwala, Consultant Electrophysiologist, Mumbai on “Sudden Death in Indian Context” Chairpersons: Prof. (Dr.) Hema Kulkarni, Prof. (Dr.) Satyavan Sharma.
- Dr. V. N. Bagadia Oration delivered by Dr. Sarvesh Chandra Tiwari, Professor and Head, Dept. of Geriatric Mental Health, Lucknow on “Geriatric Mental Health Services in India: Analyses of the Present and Future” Chairpersons: Dr. Charles Pinto, Dr. Nilesh Shah

12th December 2018 - Theatre No.3

- Dr. A.C. Duarte Monteiro Oration delivered by Dr. K. K. Deepak, Prof. & Head, Dept. of Physiology, AIIMS, New Delhi, on “The yogic breathing to improve autonomic physiology at earth and in space” Chairperson: Dr. R. R. Deshpande.
- Dr. G.M. Kurulkar Oration delivered by Dr. Lopa Mehta, Ex Prof.& Head, Dept. of Anatomy, GSMC & KEMH Mumbai on “I am a Student too!” Chairperson: Dr. M. Natarajan.

Poor Box Charity Fund

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

Research Society

The office bearers and executive committee member of Research Society is as follows:

- Hon. President: Dean & Director Dr. A N Supe retd wef 31/10/2018. Dr. Hemant Deshmukh Dean Seth GSMC & KEMH is the President from 1.11.2018
- Hon. Vice President: Dr. Manjula Sarkar,
- Hon. General Secretaries: Dr. N.Sawant, Dr. C Sathe - retd wef 31st July 2018
- Hon. Treasurer: Dr. M. G. Karmarkar
- Executive Committee members: Dr. SH Ravat, Dr. L Rajgopal, Dr. L Chandan till June 2018, Dr. R Tripathi, Dr. K Joshi, Dr. J Kale, Dr. B Mhatre

Donation

- Research grants of Rs 75000/- each were given to Dr. Rujuta Hadaye [Community Medicine], Dr. Preeti Mehta [Microbiology], Dr. Tukaram Jamale [Nephrology], Dr. S Dandekar [Biochemistry], Dr. Laxmikant Borse [Physiology] Dr. Sanket Raut [Pharmacology], Dr. Manjula Sarkar [Anesthesia], Dr. U Thatte [Clinical Pharmacology] in the first set 2018.
- Research grants of Rs 75000/- each were given to Dr. Nithya Gogtay[Clinical Pharmacology], Dr. Sharmila Jalgaonkar, Dr. Shruti Bhide & Dr. Sandhya Kamat [Pharmacology], Ms. Bhavana Mhatre[PT], Dr. Gita Nataraj & Dr. Shashir Wanjare [Microbiology], Dr. Shobna Bhatia [Gastroenterology] in the second set of 2018.
- Research Society spend total amount Rs. 759092.00 towards Research grant.

Educational Grant

- Rs. 30000/- was sanctioned for the scientific program for UG students Confluence 2018
- Rs. 26107/- was sanctioned as a contribution for Remotexs software
- Donation of Rs. 25000/- was sanctioned to Dept of Psychiatry for conducting National CME
- Donation of Rs. 10000/- was sanctioned to Forensic Juriscon 2018.

Research Society has received grants in 2018 for ongoing and new projects under taken by various departments viz Cardiology, Neurology, Clinical Pharmacology, Hematology, Medicine and Pediatrics.

Research Society organized 3 orations in August & 2 orations in December 2018 and spend Rs.21921/- towards all orations during the year.

Research Society in collaboration with Wolters Kluwers organized an author engagement workshop for faculty members & PG students on 17th October 2018 in CVTC Auditorium from 1.30 pm to 3.30 pm. Speaker - Duncan MacRae, Director, Open Access Editorial Wolters Kluwer.

Regional Resource Centre (RRC)

Seth G. S. Medical College & KEM Hospital, Mumbai has been selected as a Regional Resource Centre for Western Region under National Medical College Network (NMCN) project. MoU was signed between RRC, Seth G. S. Medical College & KEM Hospital and MoHFW on 22 May 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. Dr Preeti Mehta (Professor and Head, Dept. of Microbiology, was the first nodal officer)

Aims & Objectives

- Tele-education - Sharing of Knowledge, Continuous Medical Education for Medical and Para Medical staff, sharing of surgical & interventional skills, etc.
- Tele-consultation - Expert consultation to patients in inaccessible/Tribal and urban areas and where doctors are not available for any reason (under development)
- e-Learning and Digital Library -Access to e-Books, e-Journals and e-Resources, creating Digital Library infrastructure facilitating medical researchers and knowledge seekers to have continuing education programme (e-CME) in respect of basic and recent developments in the health / medical fields.

Telemedicine Program Management Unit (NMCN)

- Dr. Hemant Deshmukh -Dean and Chairperson
- Dr. Gita Nataraj -Nodal Officer, RRC & Member Secretary, I/C Digital Library
- Dr. Kamaxi Bhate - Member & I/C, Telemedicine
- Dr. Pritha Bhuiyan - Member & I/C, Digital Medical Lecture Theatre(e-Classroom)
- Dr. Nayana Ingole-Member

Human Resources for NMCN: -

- Radiologist for CORS – Dr. Siddique Mohd.Shadab
- 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. Rasikh Naik
- AV Technician (e-classroom) – Mr. Babubhai Chawda

Various activities carried out under NMCN

- 169 Tele-education sessions conducted as of date.
- Tele-Education International – 9 sessions from departments of Endocrinology, Clinical Pharmacology KEMH Mumbai and in between various institutes abroad.
- Live streaming sessions – 10 live streaming sessions via YouTube conducted for clinical organizational programs by Dept. of Anatomy, Medical Education unit, Occupational therapy, Physiology, Forensic Medicine and Toxicology, and Orthopedics.
- Established and extended the NKN Connectivity to Telemedicine Room, Library AV Room, all 5 Lecture Theatres, multi-storey building for internet access.
- Point to Point & Point to Multi- point Video Conference facility available in AV Room, Library for the purpose of Tele-education, Tele-Education International, and tele-CME.
- Collab DDS software was installed through National Knowledge Network (NKN) in Radiology department.10 RH / SDHs have been shortlisted for implementation of CollabDDS Online Radiology Services (CORS) in co-ordination with NHM, Maharashtra.

- Digital Medical Library - Books, e-Resource, Print + Online Medical Journal subscriptions were made available for students, which is accessible to whole college campus on intranet via internet.
- Digital medical lecture theatre/ e Classroom has been installed in Department of Anatomy, Lecture Theatre 3, Seth G.S.M.C & KEM Hospital, Mumbai. This facility was installed by MoHFW for NMCN activities.
- Content Development activities - 95 videos created/edited.

Staff Society

Executive Committee members and office bearers of Staff Society

- Dr. Avinash N Supe –President, (till October 2018), Dr. Hemant Deshmukh- President from November 2018.
- Dr. Uday Khopkar - Vice President, Dr. Santosh Salagre -Hon. Secretary, Dr. Padmaja Samant - Hon. Jt. Secretary, Dr. Sujata Lavangare -Treasurer & Dr. Sunil Karande - Editor JPGM
- Executive Committee Members were Dr. Harish Gaikwad, Dr. Venkatesh Rathod, Dr. Priyanka Prasad,
- Dr. Yashashri Shetty, Dr. Ravindra Deokar, Dr. Heena Merchant, Dr. Neelam Sathe, Dr. Suchin Dhamnaskar, Dr. Kapil Agrawal, Dr. Sweta Salgaonkar, Dr. Gwendolyn Fernandes, Dr. Rekha Dhamnaskar, Dr. Kokila Kamath, Miss. Shweta Jijode
- The replaced EC members are: Dr. Karishma Rupani Dr. Deepak Kumar Gupta, Dr. Swapna Patil, Dr. Bhushankumar Thakur, Dr. Nilesh Shende, Dr. Amrita Ajani.

During period from January 2018 - Dec 2018, 8 Monthly Scientific meetings were organized as shown below.

Guest lectures

- 207th Meeting held on 20th April 2018: Guest lecture by Dr. Anita Borges on “Surgical Pathology in the era of Molecular Diagnostics”
- 208th Meeting held on 20th August 2018: Guest lecture by Dr. JV Dixit on “Effortless weight loss & Diabetes Management”
- 209th Meeting held on 19th September 2018: Guest lecture by Dr. Armaan Pandey on “Emotional Intelligence in Everyday Life” and Felicitation of retired faculty members Dr. P Mehta HOD, Microbiology, Dr. Nalini Shah HOD, Endocrinology, Dr. NB Agrawal HOD, CVTS, and Dr. C Sathe Prof, Biochemistry
- 211th Meeting held on 30th November 2018: Guest lecture by Dr. Sucheta Dandekar on “Rethinking social obligation in health professional education”. Felicitation of retired faculty member Dr. N N Rege, Professor & Head, Dept. of Pharmacology. Welcomed newly joined faculty members of various departments.
- 212th Meeting held on 20th December 2018: Guest lecture by Mr Shashikant Shukla on “Human health & spirituality”
- Felicitation program: Dr A. N. Supe Dean & Director (ME&MH) felicitated on his superannuation from MCGM service on Wednesday, 31st October 2018. This program was held by various societies of SGSMC & KEMH.

Staff paper & e-poster presentations

206th Meeting held on 20th March 2018: Staff Paper presentation competition was held in which entries from the departments of Pharmacology, Anesthesia, Nephrology, Psychiatry, OT, OBGY, General Surgery & Neurosurgery were selected. Judges for paper presentation Dr. Shailesh Kore, Prof. OG/Gyn- LTMG Sion, Dr. Amita Joshi- Prof. & Head -Pathology & Dr. Sangeeta Ravat, Prof. & Head Neurology

Awards

- 1st prize for “Renal involvement in Lupus: Clinical features, Histological patterns, Treatment options & their Impact on the outcome.” Dr. Divya Bajpai-Nephrology
- 2nd prize for “Mortality and Morbidity in necrotizing pancreatitis managed on principles of step-up approach: 7-year experience from a single surgical unit.” Dr. Aparna Deshpande – General Surgery &
- 3rd prize for “Correlation between Bispectral Index, end tidal anaesthetic gas concentration and difference in inspired- end tidal oxygen concentration as measures of anaesthetic depth in paediatric patients posted for short surgical procedures.” Dr. Nandini Dave- Anesthesia

210th Meeting held on 8th October 2018: Staff Paper presentation competition was held in which entries from the departments of PT, Anesthesia, Clinical Pharmacology, Pathology, Plastic Surgery, OBGY, Skin & VD, Physiology, Pharmacology, & OT were selected. Judges for paper & E-Poster presentation- Dr. Shobna Bhatia, Prof & Head, Gastroenterology, Dr. Varsha Kulkarni, Professor- Surgery - Seth GSMC & KEMH & Dr. Alka Subramanyam, Asstt Prof, Psychiatry, TNMC & BYL Nair Hospital

Awards

- 1st prize for paper “Evaluation of an inexpensive painkiller versus and expensive painkiller in the management of dental pain after third molar extraction” Dr. Nithya Gogtay, Addl Prof, Dept of Clinical Pharmacology.
- 1st prize for e-poster “Evaluation of effects of Caesalpinia crista on letrozole induced models of polycystic ovarian syndrome (PCOS)” Dr. Shirish Joshi, Addl Prof, Pharmacology.
- Executive Committee Meetings: 6 & Annual General Body Meeting: 1 (31st July 2018 in MLT)
- Annual dinner on Foundation Day: Monday, 22nd January 2018: Contributory Annual Dinner was organized by the Staff Society with entrainment programme followed by Games and dinner in College lawn. All the participants of annual dinner were presented new metal keychain.
- The first Dr. S. R. Kamat Oration held on 9 February 2018 delivered by Dr. J.C. Suri on “Recent Advances in Management of Sleep Apnea.” Chief Guest – Hon’ble Vice Chancellor, Dr. D.G. Mhaisekar, MUHS and Chairpersons: Dr. A. A. Mahashur Dr. N. N. Ramraje
- Staff Society organized two Orations in April 2018 and contributed towards various orations during the year.
- Gurukul, the recreational room for faculty members of GSMC & KEMH was inaugurated on 22nd January 2018 in the presence of Hon. Mayor and Hon. Municipal commissioner.
- Mementoes: Staff Society has mementoes like Album with postal stamp & new mugs, Water bottle, Metal & Wooden Keychain, Wooden Frame, White and blue paper weight for sale.

Telemedicine

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

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

- Chairperson: Dr. Hemant Deshmukh (Dean, KEM Hospital)

Members

- Dr. Kamakshi Bhate, Additional Professor, Preventive and Social Medicine Department.
- Dr. Milind Tullu, 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 2018 - December 2018 a total of 7318 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.
- The details of the quantum of consultations provided at the KEM Telemedicine Center is given in Table 1 below while Table 2 gives details of CMEs/ Academic Training Programs/ Academic Discussions conducted in KEM Telemedicine Center.

Maharashtra KEM Telemedicine Centre details list district wise January - December 2018														
Sr No	District	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1	Akluj	4		46		3	9		40	17	4	7	10	140
2	Amravati							1						1
3	Aundh	16	27	52	12	42	30	39	27	32	22	25	23	347

Maharashtra KEM Telemedicine Centre details list district wise January - December 2018														
Sr No	District	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
4	Bhandara								4					4
5	Baramati	1												1
6	Basmat							1						1
7	Chikhaldara	3	14	12										29
8	Chopada		1				1		1		1			4
9	Dharani		1	3										4
10	Gadchiroli											13		13
11	Gondia	40	43	35	16	30	19	31	30	8	13		14	279
12	Gadhinglaj	2											2	4
13	Hadgaon	1												1
14	Islampur	60	46	76	41	40	45	47	49	33	78	29	12	556
15	Jalgaon				1			1			2			4
16	Kalvan	54	26	29	38	54	41	70	76	47	64	38	46	583
17	Kamthe	13	15	25	27	17	18	15	14	5	14	11	21	195
18	Karanja		1	1										2
19	Nandurbar	90	43	136	78	80	62	106	29		10			634
20	Nanded		1	2										3
21	Navapur	16	45	60	22	24	31	25	31	4	35	27	32	352
22	Nashik	43	46	8	5	25	19	31	29	9	37	16	38	306
23	Osmanabad	34	12	10	1	7	22	25	19	5		4	25	164
24	Parbhani	10	3		8	10	8	9	10	13	16			87
25	Ratnagiri	61	57	44	55	48	21	20	74	20	54	51	60	565
26	Ramtek	1											1	2
27	Sawantwadi	9						10	82	23	133	66	101	424
28	Shahapur	152	125	62	43	48	71	113	88	83	124	76	86	1071
29	Shegaon	4			6	10	9		4		8			41
30	Shirpur	1										1	1	3
31	Sindhudurg	121	107	99	73	102	83	84	95	84	106	32	49	1035
32	Thane	47	28	18	18	20	26	54	28	22	41	24	26	352
33	Umarga							1			1			2
34	Wardha		16	11							12	25	41	105
35	Warora										3	1		4
	Total	783	657	729	444	560	515	683	730	405	778	446	588	7318

KEM Hospital with SJPGI Lucknow, SRMC Chennai, Burla & District Hospital and Sub district Hospital Maharashtra - January -December 2018				
Sr. No.	C.M.E. Date (mm/dd/yyyy)	C.M.E. Time	Topic	Name of Speaker (Specialist Doctors)
1	13-01-2018	8.30am	Hemovigilance: Concept and interesting case reports of adverse transfusion events	Dr Atul Sonkar
2	23-01-2018	10.00am	Chest and TB Department and RNTCP & GTB hospital: Vaccine Trial	Dr Vijaj Khatri
3	13-04-2018	8.30am	Transfusion Associated Micro chimerism	Dr Atul Sonkar
4	21-04-2018	8.30am	Fetal Therapy - IVT	Dr Chaudhari
5	19-06-2018	3.30pm	Chest and TB Department: Echo VC BDG experience	Dr Athavale
6	06-07-2018	10am	ICMR Meeting: Sewree TB Hospital	Dr Keni

KEM Hospital with SJPGI Lucknow, SRMC Chennai, Burla & District Hospital and Sub district Hospital Maharashtra - January -December 2018				
Sr. No.	C.M.E. Date (mm/dd/yyyy)	C.M.E. Time	Topic	Name of Speaker (Specialist Doctors)
7	20-07-2018	8.30am	ABO discrepancies	Dr Atul sonkar
8	24-08-2018	8.30am	TRIM	Dr Chaudhari
9	31-08-2018	3.30pm	Medical Certification of cause of Death	Dr Pranita Tipare
10	21-10-2018	10.00am	National Viral Hepatitis	Dr Akash Shukla
11	21-12-2018	8.30am	Spurious Thrombocytopenia	Dr Dheeraj kumar

Women's Development Committee [WDC]

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

Sr. No.	Name	Position
1	Dr. Hemant Deshmukh, Dean, GSMC & KEMH	President
2	Dr. Mridula Solanki	Chairperson
3	Dr. Urmila Thatte	Committee Member
4	Dr. Ameet Fadia	Committee Member
5	Dr. Rupali Borkar	Committee Member
6	Dr. Swapna Kanade	Committee Member
7	Dr. Prasad Bhange	Committee Member
8	Dr. Deepika Nandanwar	Committee Member
9	Mrs. Shruti Gamare	Committee Member
10	Mr. Vijay Jawlekar	Committee Member
11	Mrs. Neha Dabholkar	Committee Member
12	Mr. Tanay Dixit	Committee Member
13	Mrs. Anjali Kharkar	Committee Member
14	Mr. Vaibhav Juvekar	Committee Member
15	Mr. Harshad Kawle	Committee Member
16	Mr. Sanjay Khare	Committee Member

It has conducted following activities this year

- 22nd January 2018; Haldi Kumkum programe on occasion of Makar Sankranti
- 11th July 2018; Water Rangoli by artist Mr. Sachin Mahadik
- 16th October 2018; Interactive programme for women empowerment, "Know renewed thyself" by Dr. Dhanashree Hardas and Ms. Amruta Joshi-Ambdekar.

Women Development Committee (WDC) will strive to organize more innovative and interactive programmes in the coming year for women and students of our institute.

Support Services

Support Services

Diet Department

Dietitian

CVTS

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

Diet Dept.

- Nutritional Assessment, Diet planning and counselling of both indoor and outdoor patients referred from medical, surgical, pediatric, orthopedic and other specialty units. References from ICUs viz. SICU, IPCU, etc. are also done.
- Patients with wide spectrum of diseases like Hypertension, Diabetes, Gastrointestinal, Cardiovascular, Renal, Burns, Cancer, PEM, Inborn error, etc. are assessed and accordingly Oral diet, Enteral Nutrition or Parenteral Nutrition is advised
- Total numbers of patients seen annually are approximately 25000-30000

Besides above-mentioned clinical aspect, kitchen dept. is also been managed-

- Quality checking of perishable food items (vegetables, fruits, grocery, etc) on daily basis
- Quality checking of non-perishable food items (viz. dried pulses and dals, spices, etc.) at each delivery as well as intermittently
- Supervising food preparation, distribution and food tasting on daily basis
- Ensuring maintenance and hygiene of kitchen, kitchen equipment and kitchen staff
- Miscellaneous works viz. attending to various problems encountered in kitchen on daily basis
- Attending Diet Sub Committee meetings and other activities
- Conducting session on nutrition and food service management for Nursing and Medical professional

AKD Dietitian

Daily rounds in AKD wards namely:

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

Endocrine Dietitian

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

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

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

Library

Highlights & Achievements:

- Seth G.S. Medical College, Library Subscribed 141 journals, and purchased 99 books. The online access to all journals was made available on Intranet.
- Subscribed medical database, '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.
- Online access to 182 e-books and 147 e-journals available on "Ovid MD" medical database.
- 162 e-books and more than 2000 e-journals and "Times of India" (1838-2007) are available on "Proquest" medical database. Links are available to all on Intranet.
- 114 books are available in Thieme ebook Library.

Subscribed following 6 databases online access to all Databases is available on Intranet.

- Clinical key
 - Proquest Health & Medical Complete
 - Ovid MD
 - Acland Anatomy
 - Up-to-date
 - Thieme ebook Library
- Arranged orientation programme for first year undergraduate students on 8th Aug.2018.

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

- Received grant from Central Govt. Rs.6,00,000/- for Books and journals.
- We have received the membership of National Medical Library's ERMED consortia. This has enabled to access 239 online journals.
- Free Trial access was given to following e-resources.
 - BMJ resources – March 2018
 - Medical Ebooks - March 2018
 - Jaypee Journals - Jun 2018.
 - NEJM- Jul-Sep 2018
 - Access Medicine- Sep. 2018

Looking Ahead

- To subscribe more databases such as Clinical Key, Ovid MD, and planning to subscribe more e-resources, so that Doctors will get relevant latest information immediately on Intranet.

Education

- We have arranged following user training programmes for Institutional members.
 1. BMJ-Case Reports = 21/2/18
 2. Up to date = 10/8/18
 3. NML = 10/7/18
 4. Clinical key = 5/9/18
- It is proposed to purchase an aggregator to access Medical information on one click.
- It is proposed to provide free wifi facility and more internet ports/switch boards and computers for internet access for students and faculty members.

Equipment

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

Library Committee

- The Library Committee is an advisory committee and following members are present in it.
 1. Dr. A.N.Supe : The Director (ME&MH)
 2. Dr. Gita Natraj: Prof.I/c,Library
 3. Dr. S. V. Parulekar: Member
 4. Dr. Bhuiyan: Member
 5. Dr. Nalini Shah: Member
 6. Dr. Amita Mehta: Member
 7. Dr. C. T. Deshmukh: Member
 8. Dr. Nithya Gogtay: Member
 9. Dr. Nirmala Rege: Member
 10. G. S. of Student: Member
 11. Mrs. M.S. Khochikar: Secretary
- The Library Committee meets periodically to take policy decisions. It helps the Chief Medical Librarian for deciding the purchase of Medical Journals, Books, Medical databases & other Library material.
- Library Committee members help the library to introduce new technologies such as Intranet, which help readers to get better services. They try to get donations/grants for Library.
- Overall the Library Committee looks after the welfare of Library.

Medical Stores

- The General store plays vital role is the day to day functioning of this hospital in procurement, storage and distribution of X-ray films, Surgical dressing materials, Rubber Goods, Laboratory articles, Instruments, Surgical sutures materials, Syringes & needles etc. Schedule & non-schedule items both are procured by general store related to the store. Stationary department provides stationary materials to whole hospital which comes under General store. There are 12 staff members in this store which consist of 1 Head Clerk, 7 Clerks and 4 Hamal at present.

Pharmacy

Highlights and Achievements

- World Pharmacist day was celebrated on 25 September in KEM hospital. The pharmacy department organized group competition, to celebrate the day.
- Mr. Sheetal V Chandan (Pharmacist) is awarded by “Pharma Ratan-2018 award” by National NGO Delhi. In presence of chief guest Dr. Dinesh Dua chairman pharmexi govt. of India and guest of honor was Dr. H.G. Koshia drug controller Gujarat
- Pharmacy department has initiated overall medicine monitoring along with Clinical Pharmacology department's ADR and medicine monitoring team.

The pharmacy department conducts annuals training for D. Pharm, B. Pharm and M. pharm interns from different Pharmacy colleges across the state.

Staff

- Smt. Madhuri G. Doiphode - Suptd. Of Pharmacy
- Mr. Sucheta J. Potdar- Dy. Suptd. of Pharmacy
- Mr. Sheetal V. Chandan – Pharmacist
- Laboratory Technicians
- Laboratory Assistants
- Laboratory Attendants

Dispensary

- Most of the medicines are dispensed through 4 units to the OPD patients and various preparations as per KEM formulary are given to indoor patients from dispensary.

Staff working at dispensary

- Head Pharmacist, Mr. Vinod Gamare
- Senior Pharmacists and other Junior Pharmacists

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TOP 25 MEDICAL COLLEGE

Rank 2018	Rank 2017	Name of the Institute
1	1	All India Institute Of Medical Sciences (AIIMS)
2	2	Armed Forces Medical College
3	3	Christian Medical College
4	4	St. John Medical College
5	6	JIPMER
6	5	Faculty Of Med. Sci. (King George's Medical University)
7	7	Grant Govt Medical College & Sir J J Group Of H
8	9	Institute Of Medical Sciences
9	8	Seth GS Medical College & KEM Hospital

TOP 10 COLLEGES

- 1 ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS)
New Delhi
- 2 CHRISTIAN MEDICAL COLLEGE & HOSPITAL (CMC)
Vellore
- 3 ARMED FORCES MEDICAL COLLEGE (AFMC)
Pune
- 4 MAULANA AZAD MEDICAL COLLEGE (MAMC)
New Delhi
- 5 JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER)
Puducherry
- 6 KING GEORGE'S MEDICAL UNIVERSITY
Lucknow
- 7 INSTITUTE OF MEDICAL SCIENCES, BANARAS HINDU UNIVERSITY
Varanasi
- 8 UNIVERSITY COLLEGE OF MEDICAL SCIENCES (UCMS)
Delhi
- 9 LADY HARDINGE MEDICAL COLLEGE
New Delhi
- 10 KING EDWARD MEMORIAL HOSPITAL AND SETH GORDHANDAS SUNDERDAS MEDICAL COLLEGE
Mumbai

मुख्यमंत्री निधीतून ४२ हजार रुग्णांना मदत

संविधान आचार्य, मुंबई

चौगली बाजार, मुंबई

रुग्णांपासून ४२ हजार कोटी रुपये

१ सप्टेंबर २०१४ ते १९ जुलै २०१८ या काळात मुख्यमंत्री निधीतून ४२ हजार रुग्णांना मदत देण्यात आली आहे. यातून रुग्णांना १२ कोटी रुपये मदत देण्यात आली आहे. यातून रुग्णांना १२ कोटी रुपये मदत देण्यात आली आहे.

Many backache patients sit for 10 hrs a day at work

Survey: Just 1 In Every 10 Urban Indians Is Active

Times News Network

While sitting is harmful to itself, doctors say, sitting for 10 hours a day can lead to chronic back pain. The spine is not designed to sit for long periods. The spine is designed to move. The spine is designed to move. The spine is designed to move.

Dr BC Roy award for KEM hospital dean

Mumbai: Dr Avinash Supe, dean of KEM Hospital and director of major civic hospitals, has been conferred with the prestigious Dr BC Roy national award by the Medical Council of India (MCI) under the 'Eminent Medical Person' category. The award recognises outstanding work in the medical field. Every year five awards are given for eminence in the field of medicine, philosophy and arts.

KEM's end-of-life care service to come home

IMPROVING QUALITY OF LIFE

WHO says 'palliative care' is an approach that improves the quality of life of patients and families facing life-threatening illness.



डॉक्टरकी नव्हेच व्रत!

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राज्य

दरवर्षी ६ हजार रुग्णांवर होतात व्हिडीओ कॉन्फरसिंगद्वारे उपचार

केईएम रुग्णालयाची माहिती : राज्यभरातील रुग्णांना होतोय फायदा

व्हिडीओ कॉन्फरसिंगद्वारे उपचार

व्हिडीओ कॉन्फरसिंगद्वारे उपचार

आईच्या मंगळसूत्रातली पिन चिमुरडीच्या घशात अडकली

केईएम रुग्णालयातील शस्त्रक्रियेने वाचले प्राण

मुंबई, दि. ३० (प्रतिनिधी) - आईने कडेवर ठेवलेल्या मंगळसूत्रातली पिन चिमुरडीच्या घशात अडकली. आईच्या मंगळसूत्रातली पिन चिमुरडीच्या घशात अडकली. आईच्या मंगळसूत्रातली पिन चिमुरडीच्या घशात अडकली.