



ANNUAL REPORT

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

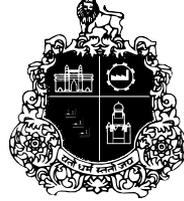
Municipal Corporation of Greater Mumbai



2019

MEMORIES OF 2019





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

ANNUAL REPORT
2019

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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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- **Shri. Datta Pongade**
Chairperson, F/South Ward Committee
- **Shri. Vijay J. Singhal**
AMC-Eastern Suburbs
- **Shri. Sunil Dhamane (PH)**
Jt. Municipal Commissioner



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

The year 2019 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, Theater 3 of the Anatomy department was converted into a Digital Medical Lecture Theater, new ECHO machines were procured was Cardiology, medical thoracoscopy services were started at the Chest Medicine department as also a center of excellence for management of aortic aneurysms in the CVTS department. A product development center was instituted by the Indian Council of Medical Research at the Clinical Pharmacology department and community medicine established a Palliative Care outpatient clinic. A new excimer laser was procured by Dermatology while ENT, Neurosurgery Radiology and Medicine departments procured several new equipment. A one stop center for women was initiated by the Forensic Medicine department and the work on the liver ICU was completed. Microbiology launched a mobile app for auditing biomedical waste and received recognition from the Government of India as a virus reference laboratory. Neonatology launched a metabolic screening program for neonates while ICU dialysis facility was started for critically ill patients in MICU by the Nephrology department. A state-of-the-art PET /CT machine was installed by the nuclear medicine department – 1st state of art PET/CT machine in the MCGM and state Govt Hospitals while a modular OT was inaugurated by Paediatric Surgery. Paediatric Anaesthesia introduced services for MRI while several training workshops were conducted by Pharmacology, Orthopaedics and Pathology. Plastic Surgery organized their annual burn survivor camp and Urology department started an incontinence outpatient clinic.

A glorious paradox of an educational institute is that while the alumni grow old, the Alma Mater grows, forever young. As the institute celebrates its 90th year, 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”.

Hemant Deshmukh

Dean - Seth GS Medical College and KEM Hospital

January 2020

Editor's Note . . .



In the first month of 2020, we are ready to embark upon yet another 12-month journey and look forward to foundation day of the institute. It is now time to take stock and look at the year that was- what was achieved, what went wrong, where could we improve and how we can move forward. This annual report in its individual chapters looks at the work, the teaching, the research, publications, awards, achievements and much more. While the general format of the report has remained the same, it has nonetheless chronicled the numerous achievement and changes, both minor and major that have taken place in the last year-2019.

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 department and staff members for sending information. The editorial team [Gita Nataraj, Shruti Bhide, Raakhi Tripathi and Lopa madam] that helped me put the report together deserves sincere thanks. I owe a debt of gratitude to the faculty and students of my department- Renju, Debdipta, Mitesh, Vijaya, Palvi, Prajakta and Rebecca for their untiring efforts at follow up and help with editing and formatting. Lastly, thanks are also due to Kalpesh and Laxmish at Urvi Compugraphics for layout, formatting, and inputs in the cover design and working long hours to ensure that the report is ready on time.

While the compilation has been done over two weeks with utmost care; the sheer magnitude and diversity of the report may have led to omissions and inadvertent errors. I request the staff members to bear with me. Efforts have gone into making the document comprehensive, yet discerning. It is hoped that as one sifts through the pages, the quality and quantum of patient care, education and research come through and we look ahead to 2020 with new hope and zest.

Nithya Gogtay

Editor – Annual report 2019

C o n t e n t s

Seth GS Medical College and KEM Hospital

- Glimpses of History.....3
- Vital Statistics.....9
- Human Resources.....10

Departments

- Achievements and Highlights11
- Awards and Honors19
- Community Care29
- Donations and Grants39
- Education.....45
- Patient Care.....61
- Publications.....97
- Research119
- In the Limelight141
- Looking Ahead.....149

Committees, Societies, Services and Publications

- Academic Committee159
- Animal Ethics Committee [Institutional].....159
- Department Development fund [DDF].....160
- Diamond Jubilee Society Trust [DJST].....162
- Department of Medical Education [DOME].....164
- Dr. M.L. Kothari Chair of Medical Humanities168
- Gosumec Alumni Association.....168
- GSMC MUHS UNESCO Bioethics unit.....170
- Institutional Ethics Committee (IEC-I, IEC-II & IEC-III)171
- Infection Control Committee175
- Internal Complaints Committee for Prevention of Sexual Harassment176
- Journal of Postgraduate Medicine [JPGM]177
- ORACON – Orations held at the institute.....177
- Poor Box Charity Fund.....178
- Research Society178
- Regional Resource Centre (RRC)179
- Student Grievance Committee.....180
- Scholarship Fund & Poor Boys’ Fund.....180
- Staff Society.....180
- Telemedicine Project Management Unit [TPMU]181
- Women’s Development Committee [WDC].....182

Support Services

- Diet.....187
- Library188
- Medical Stores189
- Pharmacy.....189
- Social Service.....189

Appendix

- Contact Information191

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

Glimpses of History

Glimpses of History

Parel: From History to Hospitals

Raja Bhimdev of the 13th century would have been more than a little surprised to see the evolution of a part of his kingdom. His Royal Highness could scarcely have imagined that one of his islands would go on to develop into one of the largest centers of healthcare in India, offering hope to millions of patients, human or otherwise.

Parel was one of the original seven islands, which later combined to form the metropolis of Mumbai. Colaba, Old Woman's Island, Bombay, Mazagon, Worli and Mahim were the other islands. There are many theories offered to explain the name "Parel". Some believe that the name may have originated from the Paral trees that grew in the village. There also existed here the Parali Vajjanath Mahadev temple dedicated to Lord Shiva. On the other hand, the word "Paral" is also thought to mean "Flat lands". On the eastern shore of this island was a small hamlet called Shivdi, named after another temple in honor of Shiva. Centuries later the seven islands were joined together by a process of reclamation and railway tracks were laid down along the border of the erstwhile western shore of Parel.

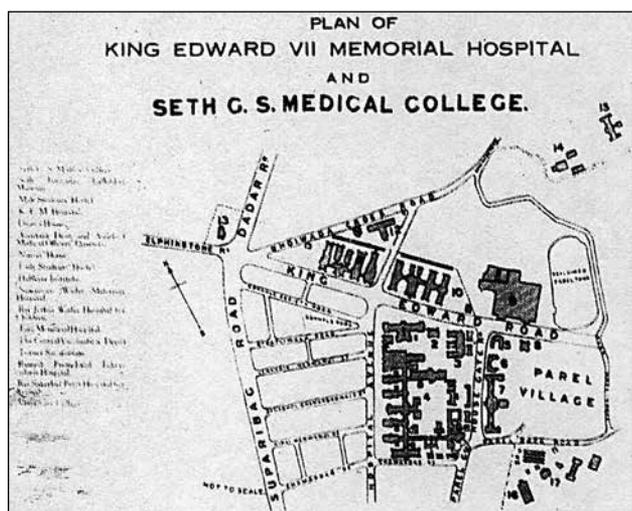
In 1534, the Sultan of Gujarat ceded the seven islands to Portugal, by the Treaty of Bassein. The Portuguese built a Jesuit church and convent when they occupied the island of Parel. The Portuguese did little else with what were then just marshy mud flats and in fact, the major island, Mumbadevi, was part of the wedding dowry when Catherine of Braganza married Charles II in 1661.

The British government took possession of all seven islands in 1665 and in 1668 leased them to the East India Company for the princely sum of 10 pounds per year. The church and the convent, which the Jesuits had built, continued to remain with them, till the British confiscated the property after the priests took the side of the Sidis during their battle with the British in 1689. These buildings became the official summer residence of the Governor of Bombay in 1719. In the 1770s, when William Hornby was in office, the official residence of the Governor was shifted here. Indeed, Parel was then one of the premier residential localities of the city.

Parel and Shivdi continued to flourish till well into the nineteenth century. However, later on a number of tanneries and dealers in dry fish were located here. Moreover, many textile mills came up on the reclaimed land in West Parel in the 1870s. All these industries led to considerable pollution. In 1883, the Governor's wife died of cholera while residing in Government House. Two years later, the Governor's residence shifted to Malabar Point. Subsequently, the old Government House was leased to the newly founded Plague Research Institute (Haffkine Institute), which was established as a direct consequence of the plague epidemic in the 1890s.

Hospitals & Medical Colleges

It may be a quirk of fate but the first hospital to be located in Parel was one that was exclusively for animals. The Bai Sakarbai Dinshaw Petit Hospital For Animals was founded with the aid of a munificent donation from Dinshaw Petit in 1883 and formally inaugurated in 1884. Monetary help from "native merchants" also aided the construction of this hospital, it is run by the Bombay Society for the Prevention of Cruelty to Animals and offers help to creatures ranging from the tiniest mouse to the giant elephant. 350 animals including 250 in-patients are daily attended to and the hospital is equipped with a Transfusion Medicine just for animals. The spacious grounds have a number of gracious heritage buildings including a beautifully constructed water fountain with a canopy. The Bombay Veterinary College located in the same leafy environs was established as a direct result of the exasperation felt by the British with the rampant prevalence of equine diseases within the breeding camps of their army. They enlisted the help of William Moorcroft from England. This gentleman contributed significantly to the reduction in equine morbidity. Thereafter, Col JHB Hellen was appointed President of the Indian Cattle Plague Commission. He recommended the setting up of a veterinary college at Bombay. The college was inaugurated in 1886. Today it is affiliated to the Konkan Krishi Vidhyapith and is one of the premier veterinary colleges in South - East Asia. Hospitals for mere mortals did not come up in Parel till a good 40 years later. The Europeans had introduced allopathy to India and "native citizens" got an opportunity to study western medicine with the creation of the Grant Medical College in Bombay in 1845. However, Indians were not given suitable appointments by the authorities. Dr KN Bahadurji was the first Indian to obtain the coveted MD degree of the University of London. He was denied the post of Professor of Medicine at the Grant Medical College and an IMS officer holding only the Licentiate of the Royal College of Physicians diploma (LRCP) was appointed instead. Dr Bahadurji then advocated the establishment of a new medical college, staffed by Indians. The monopoly of the IMS would then be broken. He placed the idea before Sir Pherozshah Mehta — the lion of Bombay — and other members of the Bombay Municipal Corporation. However, Dr Bahadurji died on 15 August 1898 before his plans could materialize.



The Municipal Corporation was entrusted with the task of providing medical relief in Bombay under the Police Charges Act in 1907. In 1909, an ad hoc committee of the corporation decided that “the time had come for the provision of a fully equipped hospital to meet the growing needs of the North of the Island”. It was thought that this hospital would be a fitting tribute to the memory of the recently deceased King Edward VII and an initial sum of Rs 5,52,878 was raised from the people of Mumbai. Subsequently, the trustees of the estate of Seth Gordhandas Sunderdas offered Rs 12,00,000 (which was later increased to Rs 14,50,000) for endowing a medical college named Seth Gordhandas Sunderdas Medical College which was to be associated with the proposed hospital. At the instance of Sir Pherozshah Mehta, the donors also insisted that the professors and teachers to be employed should all

be properly qualified independent Indian gentlemen not in government service.

The Seth G.S. Medical College started on first June 1925 with 46 students of whom six were women. It was the twelfth medical college in the country. The formal opening followed the next year and the college was affiliated to the University of Bombay. The hospital, with 125 beds, started admitting patients on 15 January 1926. Both the medical college and the hospital quickly gained a good reputation and patients were attracted in large numbers. A school of nursing, the first school of occupational therapy in India, a school of physiotherapy and an institute of electro-physiology were established subsequently. Today, the hospital has 1800 beds and treats 2 million patients every year.

Parel was at this time largely a mill area and the days would be punctuated by the call of the mill sirens, beckoning their workers from the many cramped “chawls” in which they resided. The conditions in industrial North Bombay prompted Sir Ness Wadia, the mill magnate to open a small hospital of 7 beds in a rented building in Parel, now called Calcuttawala building. Within months however, the demand for hospital delivery was so great that Sir Ness Wadia decided to build the present Nowrosjee Wadia Maternity Hospital to perpetuate the memory of his father. The hospital was inaugurated in 1926. The Baijerbai Wadia Hospital For Children, named after his mother, was built thereafter in an adjacent location where previously existed a lake. Together, these two hospitals look after the health needs of over 18,000 women and 32,000 children a year.

In 1931, it was Mahatma Gandhi who personally laid the foundation stone of the Khan Bahadur Haji Bachooali Charitable Ophthalmic and Ear, Nose and Throat Hospital in one of the lanes opposite KEM Hospital. These lanes have quaint names like Aimai Merwanji Street and Jehangir Merwanji Street in memory of various members of the Merwanji family whose descendants continue to live in Parel. This hospital too had humble beginnings. In 1914, it was started as a 6 bedded hospital which was popularly known as the Aimai Hospital and then shifted to its current building with a capacity of over 100 beds. In 1932 when Lady Meherbai Tata died of leukemia, after treatment abroad, Sir Dorab Tata was determined to establish similar facilities for the treatment of cancer in India. Initially it was planned to have a Radium Institute in Bombay. Sir Dorab unfortunately died in 1932. However, the trustees of the Sir Dorab Tata Trust, along with various outstanding cancer specialists committed themselves in 1935 to the establishment of this centre. In 1941, the Tata Memorial Hospital was born. In 1962, the Tata Memorial Hospital and Cancer Research Institute were transferred to the administrative control of the Department of Atomic Energy. This was due to the foresight and vision of Dr. Homi Bhabha, who envisaged the major role that radiation would play in cancer treatment - from imaging to staging and actual therapy. The Tata Memorial Hospital and Cancer Research Institute merged as the two arms of the Tata Memorial Center in 1966. The hospital has expanded today from 80 beds to 441 beds. Nearly 25,000 patients visit the clinics annually not only from all over India but also from neighboring countries.

The first hospital to be set up by the Employees State Insurance Corporation (ESIC) in India is also located in Parel. The ESIC, Government of Maharashtra and Millowners' Association jointly run the trust. The Mahatma Gandhi Memorial Hospital was indentured in 1957 and inaugurated in 1962 to attend to the medical problems of workers. Today, it is identified as a reference center for occupationally acquired diseases for Western India.

Medical Research

Medical research too has its own home in Parel. The Plague Research Institute was opened on August 10, 1899 by the then Governor of Bombay, Lord Sandhurst. Dr. WM Haffkine was its first Director in Chief. This institute produced the plague vaccine for use all over India. It was located in the old gubernatorial mansion in Parel (left vacant by the Governor's move to

Malabar Point). The institute was renamed “The Haffkine Institute” after 1930. Today, the institute produces rabies vaccine and snake anti-venom besides conducting many other research activities.

In 1952 the Indian Cancer Research Center was established as a research institute for basic research in cancer. It was later called the Cancer Research Institute (CRI). The institute was a result of the pioneering work of Prof. VR Khanolkar who had initiated studies in the Tata Memorial Hospital on cancer patterns in the country and their relationship to life styles. The institute was born out of the conviction that to understand and solve the problems of cancer, research work had to be done in this country by Indian scientists and doctors. Since its inception, the CRI, has been working on all facets of cancer with equal stress on fundamental and clinically oriented research.

The Institute for Research in Reproduction is also located in Parel. Before shifting to its current spacious quarters in a vine-clad building in 1970, this organization was housed in the KEM Hospital. Besides research activities related to fertility and its control, the institute also runs 3 clinics.

Within the narrow confines of 2 square kilometers, these institutions offer excellent medical care to a staggering 3 million Indians every year. Together, they have more than 3000 beds, which admit over a million patients annually. Medical research too has carved a niche for itself in these environs and many an innovation in health care has been born in Parel. Truly, Parel must be one of the largest centers for health care in the world.

Vinita Salvi

Seth GS Medical College and KEM Hospital in 2001: The Living Giant

Running KEM hospital is no easy task. The medical care given to patients forms only the proverbial tip of the iceberg. The housekeeping that is required to keep the hospital shipshape is of titanic proportions that have the potential to sink the whole show. Food, linen, laundry and the supply of medicines and consumables are the major needs that have to be daily attended to.

Food for Thought

The trolleys rumble along the corridors groaning under the weight of the lunch boxes they carry. Today, being Monday, there is “dahi kadi” for the patients. The diet department had to place an extra order for milk on the previous Saturday, to make the “kadi”. On a normal day, as many as 700 litres of milk are required to fulfill the needs of over 1500 inpatients. For Mr. Temkar in the Diet Department, it is a ritual chore, which has to be unfailingly attended to. Each ward sends in its daily requirements. The total number of patients and their dietary requirements are all listed: most will be on a full diet while others will have special needs. The patients with diabetes and heart disorders are some of those who will require a specifically tailored diet. All the ward requirements are painstakingly added up to reach the grand total and the food prepared accordingly. The meals may be simple but the quantities are mind-boggling. Every day about 120 kilos of rice and 90 kilos of “atta” are consumed. The kitchens roll out as many as 1700 “chappatis” a day. And that is the number of “chappatis” required for a single meal. At night the patients are given bread, instead - a staggering 130 kilos being the daily requirement. The daily supply of 300 to 350 kilos of different vegetables and pulses too has to be ensured. And, of course, the children have their own special needs. All the tiny tots have to receive a banana, each day. It’s like organizing a wedding, twice a day, everyday.

Washing Dirty Linen

The phone rings and senior administrators Dr Bhamare and Dr Salve sigh as they realize the source. It is Obstetric Operation Theatre once again reporting an acute shortage of theatre linen. Not surprising at all, since the two operation tables in this theatre see over 4000 operations each year. A small army of gynecologists, neonatologists, anesthetists, nurses and theatre attendants is needed to keep the theatre functioning each day. The magnitude of -the linen required by the hospital can be gauged by the fact that 5000 items of clothing (equivalent of a loaded truck) are sent daily to the central Municipal Power Laundry and an equal quantity of clean linen returned. But, it is a perpetual juggling act to ensure that sufficient linen reaches each ward and theatre. The monsoon’s too don’t help and there is a perennial cry for clean dry linen. Yesterday’s heavy rains have ensured that the van has played truant and it requires a lot of verbal diplomacy and cajoling on the part of the administrators, to convince the central laundry to release a truck-load of linen later in the day. Everyone heaves a momentary sigh of relief. Tomorrow will be another day for the theatre staff. The administrators, however, are deep in thought as they think of ways to reach a solution. The only scheme they feel will work is to have a separate laundry facility just for theatre linen and they get down to the paperwork that will be needed to implement this plan.

Sweeping Times

Keeping the place clean sends a shiver down the spine of even the most efficient administrator. KEM hospital generates 1300

kilos of garbage everyday. Moreover, every month 2100 kilos of potentially dangerous biomedical waste have to be safely disposed off. This means that besides the usual cleaning up process, the garbage has to be sorted out at source. The general garbage is collected in black bags, which are to be disposed off at the dumping grounds at Deonar. On the other hand, the dangerous waste matter, which may be potentially infected is packed in colorful yellow plastic bags and sent off to the incinerator at the Sewri TB Hospital. Moreover, needles and other sharp instruments have to be collected in thick plastic jars and disinfected before they are sent for incineration. To ensure that the hospital is clean requires an army of helpers and as many as 400 sweepers man the campus each day in an effort to ensure cleanliness.

There are 26 elevators all over the hospital. The enormity of maintaining their function can be gauged by the fact that each elevator has 6 limit switches at each floor level, to ensure the safety of the lift. Thus in the multi-storeyed building on the campus (with 14 storeys), each lift has 84 limit switches: which means there are 84 sites, which have the potential for getting jammed, triggering off the lift alarm.

The Water of Life

A hospital, which was originally started with only 125 beds, has now expanded to a mammoth 1800 bed leviathan. The water requirement of the hospital has taken a quantum leap over the years. Each expansion of the hospital saw an addition in the number of pump installations. Till a few years ago, there were 17 pump installations with 2 pumps per installation. Today the water supply system has been largely centralized and an eight-inch diameter water pipeline encircles the entire campus with branches snaking off to various buildings and supplying 140 overhead tanks.

Ensuring that the hospital functions smoothly is indeed a gigantic task. It is only with the combined help of many hands that everything runs smoothly: well almost. It is a little remembered fact that nearly 2 million patients come to these portals each year, in search of health and hope. These are people who are being treated almost free of cost and many of them have come because the treatment facility they seek is not available elsewhere. The medical care given is just a small fraction of the total work involved. It is indeed a living giant who tends to their needs.

Vinita Salvi

*Former Professor of Obstetrics & Gynaecology
Reproduced from Annual Report 2010*



George Wittet died of Cholera soon after the Institutions were inaugurated. He is buried in Sewri Christian Cemetery. He was also the architect of Gateway of India, the GPO and the Prince of Wales Museum

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

Vital Statistics

Sr. No.	Description	2019
1	Scheduled Beds	2,250
2	Total No. of Admissions	88,390
3	Average Daily Admission	242
4	Total O.P.D. attendance [new]	6,97,636
5	Total OPD attendance [average of new patients]	2318
6	Total OPD attendance [old]	13,93,533
7	Total OPD attendance [average of old patients]	4,630
8	Total OPD attendance (New & Old)	20,91,169
9	Average Daily OPD attendance (New & Old)	6,948
10	Total Surgeries	64,552
	Major	29,413
	Minor	35,139
	Scopies	11,123
11	Total Deaths	6,771
12	Death Rate	7.66%
13	Total attendance in Casualty	2,20.805
14	Total No. of Medico-Legal cases	36,934
15	Total No. of In-patients days	6,14,215
16	Bed Occupancy [average daily occupancy]	1,683 (75%)
17	Average in-patients stay [days]	6.95
18	Total No. of Deliveries	6,688

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	250
• IInd MBBS	185
• III year- first part	179
• Final year MBBS	194

Admissions

• MD/MS	263
• Diploma	005
• DM	030
• Mch	026
• 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	018
• Registrars	065
• Fellows	033

Achievements and Highlights

Achievements and Highlights

Anatomy

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

Biochemistry and Clinical Nutrition

- Dr. Trupti D. Ramteke received letter of Appreciation from Woman Development Cell, Seth GSMC and KEMH, Mumbai on International Women's Day Celebration 2019
- Dr. Vaishnavi S. Salunkhe received letter of Appreciation from for flood relief work done at Kolhapur from RCSM Medical College, Kolhapur
- Dr. Anita S. Chalak was appointed as Institutional committee member from Preclinical Phase
- Dr. Anita S. Chalak Invited as expert at Rajiv Gandhi University for inputs on Competency Based Medical Education in the subject of Biochemistry on 27th June 2019
- Dr. Anita S. Chalak Invited as a guest speaker at Karad Institute of Medical Sciences, Karad on 10th November 2019

Cardiology

- Inauguration of Advanced GP Philips EPIQ Echo Cardiography Machine
- Restarting of the Trans Esophageal Echo program
- Procured the state of the art CX-50 echocardiographic machine

Chest Medicine and Environmental Pollution Research Center

- Medical Thoracoscopy services were started by Department of Pulmonary Medicine & Environmental Pollution Research Centre (EPRC) with support from Cardiac Anesthesia and Cardio Vascular Thoracic Surgery
- Consent of Affiliation for starting of post graduate course DM (Pulmonary Medicine) was obtained from Maharashtra University of Health Sciences
- National environmental Health Profile Project funded by Ministry of Environment, Forest & Climate Change

CVTS

- Development of centre of excellence for interventional aortic aneurysm procedures in collaboration with Department of Radiology

Clinical Pharmacology

- Canvas of Clinical Pharmacology Workshop was held in January 2019
- Recognized as Advanced Center for Product Development by Indian Council of Medical Research

Community Medicine

- Palliative Care OPD was inaugurated on 4th April 2019
- The "Aapli Chikitsa" laboratory service for patients attending UHC Malvani was started on 11/11/2019.

Dermatology, Venerology and Leprosy

- Newly installed excimer laser for vitiligo patients

ENT

- 3D Endoscopy system, Narrow Band Imaging, Lumenis CO2 LASER, Neuro-navigation, Stroboscopy facilities for patient care
- Fellowship programme in Otolaryngology and FESS

- Airway surgical workshop under Prof Phillippe Monnier in July 2019
- Conducted FESS Live and Cadaveric dissection workshop in August 2019 with 4 MMC credit hours
- Conducted CIGICON Live and Cadaveric dissection workshop in October 2019 with 4 MMC credit hours
- Conducted Temporal bone dissection Workshop in November 2019
- Conducted Endoskull base Live and Cadaveric dissection workshop in June 2019 jointly with Bombay hospital
- Conducted Phonocon Live and Cadaveric dissection workshop in May 2019 with jointly with Bombay hospital

Forensic Medicine

- One Stop Centre” was inaugurated on 4th September 2019 in the hands of Central Cabinet Minister, Hon. Smruti Irani Madam
- Department has been centre of reference for sensitive, complicated, medicolegal & sexual assault cases
- A one-day national multidisciplinary medical symposium on” Innovation & Reforms in Medical Profession Medical & Legal Perspectives” on 22nd August 2019.

Gastroenterology

- The Liver transplant OPD was started this OPD is run on Friday between 11.00am & 1 pm
- The Liver ICU construction has been completed. This 6-bedded unit will cater to patients with liver failure due to various causes, and also for care during the post-transplant period

Hematology

- The Department also runs International hemophilia training centre and Comprehensive Hemophilia Care centre
- Nutrition supplement and RUTF nutrition supplements in leukaemia patients
- Full time Social worker and counsellor in the dept form cankids organization to help the patients

Medicine

New instruments

- Digital instruments for BP measurement in HT OPD
- Both limb simultaneous BP Measurement instrument
- Ambulatory BP Machines
 - o Palliative care OPD started by Department of Medicine in collaboration with Department of community Medicine from 4th April 2019
 - o Dr Santosh Salagre as National Chair, Faculty Training of Indian Programme of UNESCO chair in Bioethics, Haifa contributed for the training of faculty through UNESCO initiative.
 - o Dr Santosh Salagre was felicitated by Manav Seva Samiti – Sahar, Andheri on 15th September 2019 as a part of Silver Jubilee celebrations

Microbiology

- The Departments of Microbiology of Seth G.S Medical College & K.E.M Hospital and Lokmanya Tilak Municipal Medical College & General Hospital successfully organized the 43rd Annual Conference of Indian Association of Medical Microbiologists (IAMM)
- A mobile app for auditing biomedical waste management practices has been introduced.
- Fellowship course in Infection Prevention and Control with specific reference to Hospital Acquired Infections has been approved by MUHS
- MGIT 960 (TB culture DST) has been installed and will be available for patient care once certified by Central TB Division
- In 2019, the department successfully cleared the desk top surveillance for continuation of NABL accreditation as per ISO 15189:2012 for all the tests carried out in its divisions
- 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 has been identified as a medical college Viral Reference Diagnostic Laboratory (VRDL) by Department of Health Research, MoHFW, Govt. of India

Neonatology

- Initiation of Universal New-born Metabolic Screening program
- Department of Neonatology recognized as the regional “Western India Regional Collaborative Centre of Facility Based New-born Care” under National Urban Health Mission initiative of National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India.
- Dr. Ruchi Nanavati selected as National faculty & In charge of Western India Regional Collaborative Centre of Facility Based New-born Care Program under National Urban Health Mission initiative of National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India
- Organization of 12th annual workshop on Neonatal Ventilation in June 2019
- Organization of 12th annual workshop on Neonatal Ventilation from 17th to 22th June 2019.
- Organization of 5 SNCU Observership training programs (14 days each) for pediatricians & nurses from Odisha & Chhattisgarh under National Urban Health Mission initiative of National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India

Nephrology

- Expanding services of the Intervention Nephrology Division of the department of Nephrology to include
- ICU dialysis facility started for critically ill patients in MICU (Medical Intensive Care Unit)
- ABPM (Ambulatory Blood Pressure Monitoring) services started for patients with hypertension
- Palliative care services in Dialysis Clinic started in collaboration with TATA Trust from September 2019

Neurology

- We have Comprehensive Epilepsy Care center in Collaboration with Neurosurgery Since 2001 and we have completed 608 surgeries till date
- State of Art electro-physiology lab with installation of New NCS/EMG machine
- CME conducted on West Syndrome, Stroke care in KEM and actively participated by Dept. of Neurology
- Stroke program got into full swing in 2019. 54 patients received IV thrombolytics in golden hours

Neurosurgery

- Recently procured two Leica 3D state of art microscopes with high definition camera for neurosurgery operation theatre
- Recently procured an intra-operative CT scan and a biplanar digital angiography suite
- Developed a State of Art Neurosurgical recovery room with all modern amenities

Nuclear Medicine

- Installed PET /CT machine – 1st state of art PET/CT machine in the MCGM and state Govt Hospitals

Obstetrics and Gynecology

- New Cardiotocography machine procured in the labour room for Intrapartum Monitoring
- Free medicines like Injection Iron and Tablet Misoprostol, Eclampsia kits and Bakri balloon for management of Postpartum Hemorrhage have been made available by the Jivdaya foundation

Orthopedics

- Department of Orthopaedics “In search of excellence” has protocolled the patient management in sub-speciality of spinal surgery, arthroplasty and arthroscopy
The department has taken an active part in conducting various academic activities and workshops in the year 2019 such as:
- KEMH Pelvi-acetabular Course (12th to 14th July 2019)
- Arthroscopy academy Course (28th July 2019).
- BOS Basic Spine Course (9th to 11th Aug 2019).
- BOS Advanced Spine Course (13th to 15th Sept 2019).
- KEMH Shoulder Course (13th to 13th Oct 2019).
- KEMH Elbow Course (11th to 13rd Oct 2019)

- KEMH Arthroscopy Course (13th to 15th Dec 2019)
- KEM Hip Preservation Course – Dr. Roshan Wade, Dr. Prasad Gourineni (15th Nov 2019)

Pathology

- Hands-on-slide viewing session of peripheral blood smears and bone marrows for exam going PG students” 27th March, 2019

Pediatric Surgery

- Modular OT set up fully operational & daily in use
- AESCULAP 3D LAPAROSCOPY SET (FIRST IN GOVT.INSTITUTE IN MAHARASHTRA-fully operational)

Pediatrics

- Dr. Mukesh Agrawal, Dr. R.K.Vaswani, Dr. Mamta Muranjan & Dr. Yogesh Mokase: Treatment of a rare disease, Spinal muscular atrophy initiated in few children through a charitable programme [Spinraza Individual Patient Human Access Program”(SIPHAP) for patients with Spinal Muscular Atrophy (SMA)]
- Pediatric ICU bed-strength increased from 9 beds to 15 beds
- Facilitated approval of three new patients to receive enzyme replacement therapy at KEM Hospital in 2019. A total of 15 patients from are receiving enzyme replacement therapy
- Dr. Mukesh Agrawal: Member of Pediatric Expert Group of Medical Council of India
- Dr. Mukesh Agrawal: Expert Member in Tuberculosis Elimination Committee of MCGM.
- Dr. Mamta Muranjan was invited by Director of Sanjay Gandhi Post Graduate Institute, Lucknow, as expert to selection committee for promotion of candidate to post of Additional Professor in Department of Medical Genetics, August 2019
- Dr. Milind Tullu was member of Expert Panel for conducting interviews for the award of Gosumec Foundation USA Research Scholarship to UG and PG students conducted on 5th January 2019 at Seth G.S. Medical College (DJST)
- Dr. Mukesh Agrawal is a chairperson of Pre-conference workshop in Genetics at KEM Hospital for Pedicon 2019, 56th annual conference of Indian Academy of Pediatrics, Mumbai, 6 February 2019.
- Dr. Mukesh Agrawal & Dr. Mamta Muranjan organized ‘Hope for Rare’ – lysosomal storage disorders symposium – 2019 with participation of eminent international faculty at KEM Hospital, Mumbai, 17 July 2019
- Dr. Mukesh Agrawal & Dr. Milind Tullu were organizers for Session/ Guest Lecture on “Case based Discussion on Congenital Heart Defects” by Dr. Swati Garekar, Consultant Pediatric Cardiologist, Fortis Hospital, Mulund conducted at Department of Pediatrics, Seth G.S. Medical College & KEM Hospital on 29th August 2019
- Dr. Mukesh Agrawal & Dr. Milind Tullu were organizer for the Workshop on “Effective Communication Skills for Postgraduate Students” conducted by Dr. Santosh Salagre, Professor, Department of Medicine, Seth GSMC & KEMH at Department of Pediatrics, Seth G.S. Medical College & KEM Hospital on 16th July 2019
- Dr. Mamta Muranjan was organizing Secretary of Pre-conference workshop in Genetics at KEM Hospital for Pedicon 2019, 56th annual conference of Indian Academy of Pediatrics, Mumbai, 6 February 2019
- Dr. Mamta Muranjan: Organizing Chairperson of 5th National conference of the Indian Society for Inborn Errors of Metabolism, Pune, 18 – 20 January 2019
- Dr. Mamta Muranjan was invited as expert in Genetics by Scientific Committee & Organizing Committee of Pedicon 2019
- Dr. Swati Gupta was the organizing Committee member for Genetics workshop for PEDICON held on 6th February 2019 at Seth GSMC, Mumbai

Pediatric Anesthesia

- Started Pediatric anesthesia services for MRI since January 2019
- Started Pediatric Anesthesia OPD services since March 2019
- Started Intrathecal injection of the drug Spinraza in children with Spinal muscular atrophy since October 2019 – a part of National project in conjunction with the Department of Pediatrics, KEM
- Low flow Anaesthesia and lung protective ventilation-Conference+ Workshop on 20th January 2019
- Workshop on Midline insertion – 8th April 2019
- Paediatric Airway and Mechanical Ventilation- An Update –CME on 30th June 2019

New Facilities provided

- Oxygen Reserve Index (ORiTM)-Masimo monitor: a new equipment to detect impending desaturation during apneic ventilation for retrieval of foreign body in the airway for children under anesthesia
- Real time intra-operative Ultrasound is performed by us in various situations of surgical diagnostic dilemmas and to aid in better patient care
- Target Controlled Infusion pump was bought by the department for the administration of Total Intravenous Anesthesia in children
- Provision of online system of sending requisitions for vascular access since January 2019 in Pediatric ICU, hematology and ward patients using Google forms to avoid delays in treatment and unwanted cancellations

Pharmacology and Therapeutics

- Workshops on GCP and Research Methodology and Biostatistics were conducted by the department for other organizations
- Faculty members and postgraduate students bagged 11 awards for paper presentations at different National/regional conferences held this year.
- Team of three II MBBS students, August 2018 batch won the “Dr. A. S. Paranjpe Pharmacology Intercollegiate Quiz”, organized on 29th August 2019, at Seth GS Medical College & KEM Hospital, Mumbai.

Physiology

- Dr Munira Hirani worked as member expert group of MCI on Early clinical exposure & contributed to the ECE module published by MCI

Physiotherapy

- Physiotherapy Department scored “A” grade on Impact assessment- MUHS

Plastic Surgery

- Organized “Aashak Kiran” the 6th Burn survivor camp for children of our country from 8th to 10th November 2019
- Partnership with ‘ReSurge International’, to benefit post burn contracture patients – all treatment provided free – including surgery, consumables, pressure garments and splints

Psychiatry

- A Drug Treatment Centre –for Opioid Dependent patients runs at the Deaddiction centre daily. This is a part of DTC Scheme, Ministry of Health and Family Welfare, Govt. of India
- HITGUJ Mental Health helpline - Calls attended - 5903 and set up by MCGM in response to growing acute stress level in people of Mumbai
- 31st May 2019: World No Tobacco Day - a CME on Tobacco Addiction was held at CVTC Auditorium of KEM Hospital
- 26th June 2019: World De-addiction Day - Poster Exhibition was organized at Deaddiction Centre. Street plays were done at OPD registration and OC building awareness regarding De-addiction.
- 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, 2019 - Poster exhibition & Awareness lectures by faculty
- World Alzheimer’s Day – 21st September, 2019 - Poster exhibition and Guest lecture for training caregivers on “How to deal with Dementia
- Mental Health Week: 4th to 10th Oct 2019 - organized Mental Health Awareness in the community as a part of its celebrations of the Mental Health Week from 4th to 10th Oct, 2019

Radiology

- Facility of DR Fluoroscopy for Barium study has come up this year
- A total of two High End Ultrasound Machines and four Midrange Ultrasound Machines have been installed this year

Surgery [General Surgery]

- Started Retroperitoneal Adrenal Surgery with Prof. Sameer Rege
- Prof. Sameer Rege elected as President of the Association of Surgeons of India (ASI) for the year 2021
- Conducted a two-day conference on Laparoscopic surgery- 'Beyond 25 years of Laparoscopic Surgery' on occasion of completing more than 25 years of Laparoscopic surgery in KEM Hospital
- Arranged Photography Workshop for the institution - arranged through Humanities – September 2019

Urology

- Incontinence OPD – new OPD cum meet every Wednesday
- 3D Laparoscopy for procedure
- A record number of 50 paediatric PCNL/URS were performed

Awards and Honors

Awards and Honors

Anatomy

- Dr. Pampi Rajan was ranked first and Dr. Parvez Chowki was ranked second in the MD Anatomy examinations conducted by MUHS in May 2019.

Anesthesia

- Dr. Anita Shetty got 'Indian Society of anesthesiologist proficiency award – 2019' on February, 2019.
- Best Metro Award of RSACP National.
- Dr. Sweta Salgaonkar won '*Lokapure foundation*' prize for best paper presentation in ISSPCON 2019.
- Dr. Gauri Gangakhedkar got 1st prize for podium presentation at meeting of Bombay Neurosciences Association on 24th February 2019 entitled, "Patient Safety Incidents in Neuro-Anesthesia – A Prospective Analysis over a One Year Period".
- Dr. Gauri Gangakhedkar got 1st prize and Dr. Ranjitha YS & Dr. Tejaswini S received 2nd prize for Quiz competition at D. Y. Patil International Conference in February, 2019.
- Dr. Gauri Gangakhedkar got 1st prize in post PG category for paper presentation entitled, "Patient Safety Incidents in Neuro-Anesthesia – A Prospective Analysis over a One Year Period & quot" at G.S. Ambardekar Society Annual Paper presentation on 26th July 2019.
- Dr. Vaishali Chaskar got 2nd Prize for poster presentation entitled, 'Parturient with heart rate 32bpm for cesarean delivery - Anesthesiologist's Nightmare 'in WAD Mumbai anesthesia conference – 2019

Cardiac Anesthesia

- Dr. Kedareshwar Pote and Dr. Amruta Shringarpure passed FIACTA (Fellowship in Indian association of cardiothoracic anesthesia) in first attempt.
- Dr. Vishal Prabhu got the gold medal in DM - Cardiac Anesthesia

Chest Medicine and Environmental Pollution Research Center

- Dr. Tanya Athavale stood second at State level (West zone) of TYSA Quiz 2019.
- Dr. Sangram Dixit and Dr. Aarya Shah won second prize in Quiz competition held during World lung Day Pulmonology conducted at GMC, Nagpur.

Clinical Pharmacology

- Dr. Nayan Chaudhari was awarded '*Certificate as well as Diploma in Pharmaceutical Medicine*' by The Faculty of Pharmaceutical Medicine of The Royal Colleges of Physicians of the UK in December 2019.
- Ms. Shital Bendkhale was awarded first prize ('*Dr. U.K. Sheth*' award) for clinical oral presentation for a study entitled "Pharmacoeconomic study of genotyping in patients on warfarin therapy with respect to prevention of bleeding episodes in tertiary care hospital: Randomized Controlled Trial" at the 12th Annual Conference of the South Asian Chapter of American College of Clinical Pharmacology (SAC-ACCP), 2019, Mumbai.
- Dr. Miteshkumar Maurya was awarded first prize for presentation of PG paper entitled "Association of CYP3A5 polymorphism with trough levels of tacrolimus and graft outcomes in Indian renal transplant recipients" at Confluence Workshop, 2019, at Seth GS Medical College & KEM Hospital, Mumbai.
- Dr. Unnati Saxena was awarded first Prize for the study entitled, "An audit of Warning letters [WLs] issued to Sponsors, Institutional Review Boards [IRBs] and Investigators by the United States Food and Drug Administration (US FDA) over a four-year period" at the ISCR Conference 2019, New Delhi.
- Dr. Shruti Saha was awarded second prize ('*Dr. Ashok Vaidya*' award) for clinical oral presentation for a study entitled "Efficacy and safety of SGLT2 inhibitor monotherapy in T2DM patients – a meta-analysis of phase III trials" at the 12th Annual Conference of the South Asian Chapter of American College of Clinical Pharmacology (SAC-ACCP), 2019, Mumbai
- Dr. Miteshkumar Maurya was awarded third prize ('*S.M Karandikar*' award) for clinical oral presentation for a study entitled "Association of CYP3A5 polymorphism with trough levels of tacrolimus and graft outcomes in Indian renal transplant recipients" at the 12th Annual Conference of the South Asian Chapter of American College of Clinical

Pharmacology (SAC-ACCP), 2019, Mumbai.

- Dr. Harshad Kesari was awarded third prize ('*Dr. R.D.Kulkarni' award*) for clinical poster presentation for a study entitled "Evaluation of the prevalence of CYP2C9, CYP2C19 and VKORC1 genetic polymorphisms in Indian population: A retrospective analysis" at the 12th Annual Conference of the South Asian Chapter of American College of Clinical Pharmacology (SAC-ACCP), 2019, Mumbai.
- Dr. Jeffrey Pradeep Raj and the team was awarded the Best screening Device - Engineering for their innovation - Antibacterial Sensitivity Quantifier at the Medical Device Innovation Camp (MEDIC) 2019 Workshop conducted by IIT-Bombay between 28th September 2019 to 2nd October 2019.

Community Medicine

- Alhad Mulkalwar and Amit Dashputra secured 2nd rank in IPHA QUIZ 2019 at AFMC, Pune on 7th April 2019.

Dermatology, Venerology and Leprosy

- Dr. Vidya Kharkar was felicitated for outstanding contribution to healthcare/administrative work for the year 2018-2019 as part of International Women's day celebration 2019 by women development cell of Seth G.S medical college and KEM hospital, Mumbai.
- Dr. Vidya Kharkar won second runner up prize in Canthon Marathon, for cancer awareness cause run.
- Dr. Vidya Kharkar initiated *Dr. R.J.Fernandez Award* for best dermatology resident at department of K.E.M Hospital.
- Dr. Siddhi Chikhalkar won first prize award for presenting paper on "Chemical peel recipe at cost of rupee 1" at *Cosderm India 2019*.
- Dr. Mayuri Kalantri -Winner of All India Emconnect Quiz competition for PG students 2019.
- Dr. Vrutika Shah won best e-poster award in *PigmentaryCon 2019* for "Oculocutaneous albinism with actinic keratosis, keratoacanthoma and squamous cell carcinoma: a tale of 2 siblings"
- Dr. Vrutika Shah got *Dr. R Ganpati Award* for best e-poster on leprosy in *Cuticon 2019* for "Puzzling papules and nodules: an uncommon face of a not so common disease".
- IJDVL Best image in clinical practice 2019 for publication- Shindore RP, Gole PV, Mahajan SA "melanocytic nevus", or is it? *Indian J Dermatol venereal* 2019; 85: 491-2.
- Dr. Atul Dongre received 1st prize in Dermatopathology quiz, arranged by Dermatopathology Society of India at New Delhi in Nov 2019.

Endocrinology

- Dr. Anurag Lila got 'Anil R Sheth Award' at ESICON 2019, Nagpur.
- Dr. Manjiri Karlekar bagged first prize for best oral paper at Assam Endo Society 2019 & at Endo Update 2019, Bangalore.
- Dr. Saba Memon got first prize for best poster presentation & quiz competition at Assam Endo Society 2019.
- Dr. Saba Memon got first prize for abstract presentation at ISPAE PET 2019, Kolkata.
- Dr. Manjeet Kaur received first prize for best poster at ESICON 2019, Nagpur.
- Dr. Pradeep Indulkar secured distinction in Diabetology at CID Conference.
- Dr. Ankita Tiwari got 'Best Thesis award' at ESIIV Gandhi March 2019.
- Dr. Chakra Diwakar bagged first Prize for best poster at Endo update 2019, Bangalore.
- Dr. Vikrant Gosavi got second prize for oral presentation at Endo update 2019, Bangalore.

ENT

- Dr. Rutvi Patel & Dr. Abhishek Menon got zonal level 'Torrent young scholar award'.
- Dr. Swapna Patil- Cochlear implant in SSD CIGICON 2019
- Dr. Rutvi Patel got 2nd prize for paper presentation & quiz competition at AOI, Mumbai.
- Dr. Arunima V received 'MV *Kirtane* excellence award 2019.
- Dr. Ashwathy K.P got 1st prize for paper presentation at IOW 2019.
- Dr. Asmita Madhavi, Dr. Arunima V, Dr. Chandrani Chatterjee shared 1st prize for quiz in CIGICON 2019.
- Dr. Pankaj G got 2nd prize in video presentation at MENTCON 2019.
- Dr. Devina Chitranshi got 2nd prize in paper presentation MENTCON 2019.
- Dr. Vani Krishana Gupta got 2nd prize for e-poster at Phonosurgery 2019.
- Dr. Kamini Chavan bagged '*Geeta Rao Memorial prize 2019*'.

- Dr. Kamini Chavan got 2nd prize Thane branch silver jubilee consultant award paper at MENTCON 2019.

Forensic Medicine

- Dr. Hemlata Pandey (Forensic Odontology) was awarded 'Young Achiever Icon Award'.
- Dr. Rohan Metkari, second year resident bagged 1st prize for poster presentation in a one day national multidisciplinary medical symposium.
- Dr. Rohan Metkari, second year resident bagged 2nd prize for poster presentation in PRAVARA FORENSICON 2019 (State Conference).

Medicine

- Dr. Sushrut Ingawale second year post graduate student won best oral presentation award in MAPCON 2019.
- Dr. Maithili Kasse bagged the second prize at *Dr. P.J. Mehta Young scientist Award* during Annual conference of Hypertension Society of India held at Mumbai from 20th to 22nd September 2019.

Microbiology

- ICTC (KEM Hospital) was awarded best functioning ICTC in Mumbai (2019) by MDACS.
- Dr. Deepal Shah stood first in M.D Microbiology at MUHS 2019 exams.
- Dr. Preeti Mehta gold medal for standing 1st in M.D Microbiology at Seth G.S Medical College and K.E.M hospital.
- Dr. Avinandan Saha got 1st Prize for oral Presentation in MicroCon 2019, Nehru Centre, Mumbai.
- Dr. Avinandan Saha got 1st Prize for quiz competitions in 504th TPC, LTMMC Sion, 506th TPC, KEM Hospital and 509th TPC, LTMMC Sion.
- Dr. Avinandan Saha got 1st Prize for quiz competition during CME on Outbreak Management, Hospital Infection Society, Mumbai Forum.
- Dr. Avinandan Saha got 1st Prize quiz competition conducted by IAMM PG Assembly.
- Dr. Zakiuddin received 1st Prize for PG quiz in 507th TPC and 2nd Prize for PG quiz in 508th TPC.
- Dr. Zakiuddin got 1st Prize in World TB Day quiz on 23rd March 2019.

Neonatology

- Dr. Ruchi Nanavati selected 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 - Neonatal Resuscitation Program Regional Trainer for First Golden Minute project of Indian Academy of Pediatrics & National Neonatology Forum.
- Dr. Ruchi Nanavati - Member of committee working on Neonatal Palliative Care.

Nephrology

- Dr. Nikhil Saxena bagged the best paper award in ISNCON 2019 for the paper entitled "CYP3A5 polymorphisms and trough levels of tacrolimus and their impact on graft outcomes in Indian kidney transplant recipients".
- Dr. Nikhil Saxena received '*Dr. Praveen Shah* best poster award' in ISNCONWZ 2019 for the paper entitled "CYP3A5 polymorphisms and trough levels of tacrolimus and their impact on graft outcomes in Indian kidney transplant recipients".

Neurology

- Dr. Karan Desai scored highest marks in DM exam in summer session 2019 across all branches with gold medal.
- Dr. Shruti Agrawal bagged best resident paper awards at annual BNA on April 2019 and at monthly BNA meeting on February 2019.

Neurosurgery

- Dr. Atul Goel was elected as the president of Neurological Society of India (NSI), December 2018 to December 2019.
- Dr. Atul Goel was awarded '*Pride of India*' award by Feelings magazine, Vadodara, January 2019.
- Dr. Atul Goel got 'Outstanding contribution award' from Chinese society of Neurosurgery, 2019.
- Dr. Atul Goel received '*International ambassador award*' by Congress of Neurological surgeons, San Francisco 2019.
- Dr. Atul Goel delivered '*V.S. Mehta oration*' on Minimal spinal surgery course, Paras hospital, 19th January, 2019.

- Dr. Atul Goel delivered '*Presidential Oration*' at Indian Academy of Neurology, Hyderabad, 5th October, 2019.
- Dr. Atul Goel delivered '*Srinivasa Neurosurgery Endowment Chair Oration*', Sri Venkataeshwara Institute of Medical Sciences, Tirumala Tirupati Devasthanams, Tirupati, 7th November, 2019.
- Dr. Atul Goel gave '*Presidential Oration*' at Annual Conference of the Neurological Society of India, Mumbai, December 2019.
- Dr. Abhidha Shah got *Indian Society of Neuro-oncology President's Award* for Best Clinician Researcher on April 2019, Bhopal.
- Dr. Abhidha Shah served as Education Committee Chair of the Asian Congress of Neurological Surgeons – Women in Neurosurgery section.

Nursing

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

Occupational Therapy

- Nandgaonkar Hemant - Recipient of First Prize in the category Best Innovative Technology for indigenously designed "INDIA EBUS – Digital Approach to Neonatal Therapy" at the First Annual National Conference of Association for Neonatal Therapists -2019 at Thane on 3rd March 2019.
- Sneha Sanap & Nandgaonkar Hemant - Recipient of First Prize in category Best Scientific Paper for "Cue Based Feeding in Preterm infants" at the First Annual National Conference of Association for Neonatal Therapists -2019 at Thane on 3rd March 2019.
- Kajol Sanjay Poladia - Best case study presentation for the paper entitled "Short term bed mobility training in myositis ossificans progressiva" at Tata Memorial Hospital Conference –6th educational programme in honor of Late Dr. Aruna. P. Tole.
- First prize in Occupational Therapy Innovation Technology - Finger continuous passive motion device at Annual National Conference of All India Occupational Therapists Association.
- Second prize in Occupational Therapy poster presentation in Learning Disability Annual National Conference of All India Occupational Therapists Association.

Ophthalmology

- Dr. Nehal Mehta, 3rd year junior resident got First prize in post graduate case presentation in PG Fest at Woman's ophthalmology conference on 4th May 2019.

Orthopedics

- Paper on "Altanto axial tuberculosis" got the best paper award in free paper session during Western India Regional Orthopedics Conference 2019.

Pathology

- Dr. Sayan Boral got 2nd prize for poster presentation "Pulmonary alveolar proteinosis" at International Non-neoplastic Pediatric Pathology CME held at TN Medical College & Nair Hospital from 8th to 9th November 2019.
- Second prize for slide seminar at MAPCON September 2019.
- Dr. Neha Agrawal bagged 1st prize for poster presentation 'Role of FNAC in granulomatous inflammation of breast – A series of 16 cases' at MAPCON 2019.
- Dr. Jyoti Chirmade got 2nd Prize for oral paper presentation for the paper entitled 'Utility of Milan system for salivary gland cytopathology – A five year study' at MAPCON 2019.

Pediatric Anesthesia

- Dr. Swarup Ray won 1st prize for video presentation "A new paradigm in patient monitoring- Oxygen Reserve Index" at CME conducted by ISA Boriwalli on 25th May 2019.
- Dr. Karthika Rajan won 1st prize for paper presentation "Perfusion index as a predictor for working pediatric caudal

block under general anesthesia- A Prospective Observational Study” in the super specialty category at KEM Staff Society Scientific meeting held on 19th July 2019.

- Dr Aarti Baghele won 1st prize for poster presentation “Effect of pre-operative education on anxiety in children undergoing day-care surgery” in the super specialty category at KEM Staff Society Scientific meeting held on 19th July 2019.
- Dr Akhil Goel (Fellow) bagged the 1st prize for E-poster presentation “The troublesome triumvirate: bilateral TMJ ankylosis, Pierre Robin syndrome and severe OSA” at TMC-DAC 2019 (National conference on difficult airway) held at Tata Memorial Hospital from 6th to 8th December 2019.
- Dr. Priyanka Muneshwar (Fellow) bagged the 2nd prize for E-poster presentation “Airway management in small infants with congenital pulmonary cystic lesions: not a child’s play!” at TMC-DAC 2019 (National conference on difficult airway) held at Tata Memorial Hospital from 6th-8th December 2019.

Pediatric Surgery

- Dr. Soundharya.S - Best paper in GI session for “Ultrasound guided hydrostatic reduction of intussusception in pediatric age group in a tertiary care centre - A retrospective analysis” at IAPSCON-2019 AIIMS, Delhi.
- Dr. Soundharya.S - First prize for best E-Poster in Urology session for “Detubularized isolated ureterosigmoidostomy - A continent urinary diversion (Atta pouch)” at IAPSCON-2019 AIIMS, Delhi.

Pediatrics

- Dr. Milind Tullu was awarded the ‘Publons Peer Reviewer Awards 2019’ for placing in the top 1% of Reviewers in Clinical Medicine and ii. Cross-Field on Publons Global Reviewer Database, determined by the number of peer review reports performed during the year 2018-19.
- Dr. Milind Tullu - Citations Awarded/ Nominated (Biographical Note) - “Marquis Who’s Who in the World” 2019 (Marquis Who’s Who, USA).
- Dr. Mukesh Agrawal & Dr. Milind Tullu: Awarded the Dr. A.N.Supe Best Published Paper Award 2018 for the paper entitled “Comparison of Pediatric risk of mortality III, Pediatric index of mortality 2 and Pediatric index of mortality 3 in predicting mortality in a Pediatric intensive care unit in Journal of Pediatric Intensive Care [Authors: Priyamvada Tyagi, Milind S. Tullu (Corresponding author) & Mukesh Agrawal.

Pharmacology and Therapeutics

- Second prize awarded for best poster to Jagdale D, Bhide SS, Ramaa CS, Potey A, Chandrakar P, Bhojane S, Tadvai FM, Shetty YC, for the paper entitled “ Malonyl CoA inhibitors as novel cardioprotective agents”, presented at 6th international conference on Drug Discovery India 2019 held on 17th to 18th January, 2019 at Mumbai.
- Khatri N, Karekar S awarded 3rd prize for, ‘Expressions Competition- A National level PowerPoint and Presentation Skills Competition’, held on 31st January, 2019 at NKP Salve Medical College, Nagpur.
- Runner up prize at Qriosity 2019 (Inter-college Medical Conference) for the paper, “Observational study to evaluate prescription pattern of analgesics used in perioperative period.” held on 28th February at Hinduhridayasamrat Balasaheb Thackeray Medical College & Dr R.N. Cooper Hospital, Juhu, Mumbai.
- Runner up prize for oral clinical presentation to Joshi SS, Shetty YC, Panchal R, Natu A. for the paper “Observational study to evaluate prescription pattern of analgesics used in perioperative period” presented in the Qriosity 2019 Medical Conference 28th Feb – 1st March 2019 held at HBT Medical College And Dr. R N Cooper Municipal General Hospital, Juhu, Mumbai.
- First prize awarded to Mamde A, Kurle D, Bedekar M, Raut S, as co-author in Pre-Clinical oral paper presentation for the study entitled ‘Experimental Study to Evaluate the Effect of Piclamilast on Animal Models of Spatial and Emotional Memory’ presented at 12th International Annual Conference of SAC-ACCP 2019 on 17th April 2019.
- Second prize for preclinical oral paper presentation to Satam S, Marathe PA, Raut S, Shetty YC, SG Pooja, Raut A, Kale P, Rege NN for the paper, “Effect of Withania somnifera and Celastrus paniculatus on Brain Neurotransmitters in Animal Model of Alcohol Dependence” presented in the 12th Annual Conference (15th April-18th April 2019) of South Asian College An affiliate of American College of Clinical Pharmacology at MCA, BKC, Bandra East, Mumbai.
- First prize - Marathe PA, Bavishi D, SG Pooja, Kokate D, Mulkalwar A. “Assessment of Ethics and Professionalism among the medical undergraduate students of a tertiary care teaching hospital: A questionnaire based cross-sectional survey” – 217th scientific meeting of Staff Society, Seth GSMC & KEMH on 19th July 2019.
- Second prize in oral presentation category to Shetty YC, Vinchurkar P, Ginodia S, Siddiqui A, Pancholi V *et al.* for

the paper entitled “A Survey of the Awareness and Knowledge of Steroid Use among different stakeholders (physicians, pharmacists and patients) in a Tertiary Care Hospital” on 7th Aug 2019, at Respirare, B.J. Medical College, Pune.

- First prize in oral category to Shetty YC, Vinchurkar P, Ginodia S, Siddiqui A, Pancholi V *et al.* for the paper entitled “A Survey of the Awareness and Knowledge of Steroid Use among different stakeholders (physicians, pharmacists and patients) in a Tertiary Care Hospital on 23rd -24th Aug 2019, at Mediace, Shri Kashibai Navale Medical College, Pune.
- Second prize awarded to Marathe PA, Bavishi D, SG Pooja, Kokate D, Mulkalwar A. “Assessment of Ethics and Professionalism among the medical undergraduate students of a tertiary care teaching hospital: A questionnaire based cross-sectional survey” at Mediance 2019 International medical conference, held at Smt. Kashibai Navale Medical College and Hospital, Pune on 25th August 2019.
- Third prize awarded to Patankar P for poster presentation titled “Evaluation of antianxiety effect of minocycline on resident intruder model of acute anxiety in PTSD in golden Syrian hamsters “at DIA 2019 student poster session, San Diego, California, USA.

Physiology

- Shrish Rao & Bhagyashree Prabhu stood 1st and 2nd in first year MBBS university exam 2017 in Physiology amongst the students of GSMC.
- *Late Dr. Dharani's Scholarship* Cash prize of Rs. 1000 was awarded to Shrish Rao for standing 1st in Physiology in 1st M.B.B.S. exam conducted by MUHS university, amongst the students of G.S.M.C.
- *Dr. Shirwalkar Scholarship* was awarded to Ashmita Jain.
- Dr. Amretha Nambier stood 1st in university exam of M.D. Physiology, amongst the students of G.S.M.C.

Physiotherapy

- Prof. Saraswati Iyer appointed as BOS member at Dr. D Y Patil University, Pimpri and was invited as a chair person by St. George hospital to inspect the specification for government by MCGM.
- Prof. Bhavana Mhatre conducted a workshop on “Strengthening and Conditioning-Physiotherapist’s perspective at the Conference “Ascension, A Step above” on 12th March 2019 and “Introduction to teaching learning methods and teaching large groups “on 26th September 2019.
- Mrs Mariya Jiandani was appointed as Member of BOS and Faculty Allied Health Sciences at MUHS, Nashik. She was also appointed as Convenor of Mumbai Branch of Indian Association of Physiotherapist, and Head of Steering Committee Bioethics Unit: (GSMC MUHS UNESCO).
- MP Jiandani organized JPGM Con 2019, workshop on how to write systematic review and served as chairperson at MEDINSPIRE 2019 at Dr D Y Patil Medical college, Navi Mumbai.
- Jaimala Shetye and Mariya Jiandani were appointed as judge for papers at MUHS state level Research Conference and for Research grants respectively.
- Dr. Swati Paranjpe appointed as Editorial Board Member of International Journal “EC Orthopedics” and Reviewer for International Journals Science Group (Rehabilitation Sciences).

Bioethics Competition Intercollege Awards:

- First Prize: Bioethics intercollegiate Short film competition- Param Sampat & Colleagues II BPTTh.
- Second Prize AV competition – Neha Parikh, Nirati Lakhani, Riya Patadia
- First Prize: Bioethics Poster competition – Nidhi Ranka IV BPTTh.
- Second Prize: Bioethics Poster competition- II BPTTh.
- Third Prize: Bioethics Poster competition- Mansi Dhangar-IV BPTTh.
- Best actor Award- Street Play- Sarah Tinwala- IV BPTTh.

Psychiatry

- Dr. S.R. Parkar was appointed as the nodal officer of Regional Resource & Coordination Centre (RRCC); 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 Mahanagarpalika; and as Chairperson of National Scientific Seminar by Specialty Section, Suicide Prevention Indian Psychiatric Society
- Dr. N.S. Sawant was elected as the Hon. Editor of ‘Annals of Indian Psychiatry’ of IPS WZB: 2018-2020.
- Dr. Kranti Kadam was appointed as a nodal Officer in August 2019 on ‘National Survey on Extern & Pattern Substance

Use in India', MOSJE and as member of Marathi Vishwakosh Mandal, Government of Maharashtra.

- Dr. Shilpa Adarkar was elected as the Honorary President of Bombay Psychiatric Society for 2019-2020 and as nodal Officer, DTC Project under DDP, MOHFW.
- Dr. L.P. Shah Best Paper Award 2019:- Study of domestic violence and its correlations with coping and suicidal severity in wives of alcohol dependent patients; Dr. Amey Angane, Dr. Kranti Kadam, Dr. Sampada Raikar.
- MEDINSPIRE Best Poster Award 2019: - Analysis of sibling relations in children with ADHD; Dr. Prerna Keshari, Dr. Ajita Nayak, Dr. Hrishikesh Nachane, Dr. Kumar Hemant Saurabh
- Dr. A. K. Naik Best Paper Award 2019:- Comparison of patterns of resilience, coping strategies and personality profile in patients with single and multiple suicide attempts; Dr. Tanvi Vaidya, Dr. S.R. Parkar.

Radiology

- Dr. Ayush Jain bagged *Dr. Mukund Warawdekar Award* for "Best Resident in Department of Radiology".
- Dr. Ayush Jain got 2nd prize in quiz, Radaspire CME at BYLCH Nair Hospital.
- Dr. Anuja Kapadnis got 3rd prize in third year category in Grand Teaching Files at D Y Patil medical College, Navi Mumbai.
- Dr. Zillani Alam received 1st prize in quiz at 18th Nanavati MRI Teaching course.
- Dr. Abhishek Bairy got 1st prize in oral paper presentation, at RRC, 2019.
- Dr. Megha Nair bagged 1st prize in EDURAD Grand TF meet at Holy Spirit Hospital.
- Dr. Sultan Moiuiddin received 3rd prize in first year category in Grand Teaching Files at D Y Patil medical college, Navi Mumbai.
- Dr. Abhishek Bairy got 1st prize in third year category and Dr. Shivane Garg 1st prize in fourth year category in Grand Teaching Files at Seth GSMC and KEMH, Mumbai

Surgery [General Surgery]

- Dr. Abhay Dalvi was elected as the President of the Association of Surgeons of India (ASI) for the year 2021.
- Dr. Abhay Dalvi delivered the prestigious *Prof. P. K. Sen Oration* at the 79th Annual Conference of the Association of Surgeons of India (ASI) at Bhubaneswar on 19th December 2019. The topic was "Sowing Seeds".
- Dr. Abhay Dalvi delivered keynote address at the 25th silver jubilee celebrations of Minimal Access Surgery at Seth G S Medical College and KEM Hospital on 14th and 15th September 2019. The topic was "Looking back, looking forwards".
- Dr. Abhay Dalvi delivered '*Jamnadas Parekh Oration*' at the Madhya Pradesh State Chapter of ASI at Ujjain. The topic was "Making of a surgeon – How times have changed".
- Dr. Abhay Dalvi delivered '*Dr. P. Sivalingam Oration*' at WorldCon 2019 of the International Society of Colo-Proctology at Jabalpur.
- Dr. Aparna Deshpande delivered lectures and presentations in FIAGES at Nanavati Hospital, Mumbai; at MASICON, Aurangabad and at ASICON in Bhubaneswar.
- Dr. Sameer A Rege: Author of Video Presentation – Laparoscopic subxiphoid hernia repair- IPOM PLUS done at EHS 2019, Hamburg Germany.
- Dr. Sameer A Rege: Author of Paper – Endoscopic Anterior Component Separation with IPOM PLUS for Large Ventral Hernia, A study of 70 cases presented at HSICON 2019 Kolkata.
- Dr. Mandar Koranne got Fellowship of Minimal Access Surgery (FMAS) at AMASICON 2019, Nagpur.
- Dhaval Vasa won 1st prize in MASICON 2019 Surgery Quiz and 2nd prize for paper presentation in ASICON 2019, Bhubaneswar.
- Shruti Jobaliya won 1st prize in paper presentation at GIFTCON 2019, Goa.
- Nishant Gobbur got 2nd prize in Medinspire 2019, international conference, Vashi, Mumbai.
- Vivek Mukhamale got 1st prize for case paper presentation in Medinspire 2019 international conference, Mumbai; E-Poster presentation in HSIKON 2019 National conference at Kolkata and Best video presentation in AMASICON 2019, Nagpur.
- Ashwini Kadam :1st prize in E-poster in ASICON 2019, Bhubaneswar & 3rd prize in Dr.C Palanivelu video presentation in ASICON 2019-Bhubaneswar.
- Jayati Churiwala got best poster award in MASICON 2019, Aurangabad.
- Saif Kaderi got 1st prize for Surgery Quiz in MASICON 2019, Mumbai; Presented papers and videos at HSICON 2019 Kolkata & EHS 2019 Hamburg Germany.

- Dr. Qasim Khan cleared FMAS exam.

Surgical Gastroenterology

- Dr. Chetan Kantharia, Professor and Head, received “Distinguished DNB teacher award by Association of National Board Accredited Institutes” from Vice president of National Board examination.
- Dr. Chetan Kantharia was awarded “The Top 10 Surgeons of City of Mumbai” for the year 2019 by India Today.
- Dr. Sharvari G. Pujari completed ‘Fellowship in Liver Transplantation’ at Kings College Hospital London.
- Dr. Chetan Kantharia was felicitated in ASI refresher course at Ahmedabad.
- Dr. Lakshay Singla, DNB resident, received “1st Prize in Free paper Management of corrosive stricture” in IASG conference at AIIMS Delhi.
- Dr. Aravind Menon, DNB resident, received “1st Prize in Best Paper Quality of life in patients of coloplasty” in Annual conference of Colorectal Surgeons of India at Mumbai.
- Dr. Parth Patel, Fellow in HPB Surgery, received “2nd Prize in Best poster Locoregional management” in Annual conference of Colorectal Surgeons of India at Mumbai.
- Dr. Rahul R, DNB resident, complete fellowship of Annual conference of Colorectal Surgeons of India at Mumbai.
- Dr. Vikram Rao, DNB resident, complete fellowship of Annual conference of Colorectal Surgeons of India at Mumbai.
- Dr. Rohan Patil, Fellow HPB Surgery Resident, complete fellowship of Annual conference of Colorectal Surgeons of India at Mumbai.
- Dr. Aravind Menon, DNB Resident, received first prize in best research paper category at 79th Annual Conference of Association of Surgeons (ASICON 2019) at Bhubaneswar.
- Dr. Lakshay Singla, DNB Resident, present video on ‘Jejunal Supercharge’ in best video session category 79th Annual Conference of Association of Surgeons (ASICON 2019) at Bhubaneswar.

Urology

- Dr. Neeraja Tillu won gold Medal for standing first in MUHS Summer 2019 examination in M.Ch Urology.
- Dr. Sheshang Kamath was awarded “Best Resident award” on KEM Foundation Day 2019.
- Dr. Neeraja Tillu received *Vijaywada Prize* for best poster award at Urological Society of India conference in Bhubaneswar, January 2019 for “Supravesical Diversion with or without ileal conduit in benign bladder conditions”.
- Dr. Nikhar Jain got prize for podium presentation at West Zone USI Conference, Rajkot for video presentation on “Nephrectomy with Inferior vena cava reconstruction using Poly-Tetra-Fluoro-Ethylene graft in renal hydatid disease”.

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.
- Conduct COLS workshop for lay persons

Cardiac Anesthesia

- COLS on world anaesthesia day

Chest Medicine and Environmental Pollution research center

- The Department of Chest Medicine & Environmental Pollution Research Centre at K.E.M. Hospital conducts respiratory morbidity related health surveys to study the effects of air pollution on health.
- Following health surveys were conducted in the year 2019.

S.N.	Period	Area	Group Surveyed	Total Nos.
1.	19/4/19 to 27/4/19	Varchiaali & Khalchiaali, Mahulgaon, Chembur	Census: 191 families Medical Camp: 32	223
2	10/5/19	Worli Traffic Police, Worli	Medical Camp: 18	18
3	4/6/19 to 14/6/19	Anikgaon Shankar Mandir, Chembur	Census: 47 families Questionnaire:116 Medical Camp:25	188
4	3/7/19 to 10/7/19	Chereshwar CHS, Mahul, Chembur	Census:23 families Medical Camp: 31	54
5	24/9/19 to 27/9/19	Asalpha Village, Kurla	Census:44 families Questionnaire:100 Medical Camp:11	155
6	1/10/19 to 5/10/19	Ambedkarnagar, Marol pipeline, Andheri	Census:71 families Questionnaire:182	253
7	7/10/19 to 9/10/19	Ambapada gaon, Mahul, Chembur	Census:65 families Questionnaire:136	201
8	23/10/19 to 30/10/19	Evershine PAP complex, MMRDA Vasahat, Building No 72, Mahul	Medical Camp:31	31
9	1/11/19 to till date	National Environmental Health Profile Project Sarova Complex, Samta nagar, Kandivali(E)	Medical Camp:394	394
10	1/1/19 to till date	Asthma Education		1861
Grand Total				3378

Social Awareness camps and Lecture

- Pulmonary Medicine residents were a part of team conducting awareness and treatment Chaitya bhoomi on 4th -6th December 2019 for respiratory disorders.
- On the occasion of “**WORLD ASTHMA DAY**”, Health education and pulmonary function testing along with Lectures was conducted on 10/5/2019 at Traffic Police Head Quarters, Worli. Dr Dhiraj Jain, Assistant Professor coordinated the portable Pulmonary function testing.
- Health education talks were delivered by Dr. Amita Athavale, Professor. & HOD, Dept. of Pulmonary Medicine & EPRC, Dr. Maria Jaindani from Physiotherapy dept. and Ms. Shruti Shettigar, Dietician.

Community Medicine

- Community Outreach Health Services: Mumbai Arogya Abhiyan: Residents & Interns are posted at various

Date	Event	Beneficiaries
16/04/2019	World Health Day Program	Health talk on theme, "Universal Health Coverage" and its practical aspects was given. Information about Pradhan Mantri Surakshit Matritva Abhiyan, Pradhan Mantri Matru Vandana Yojana, Janani Suraksha Yojana, Janani Shishu Suraksha Karyakram and Ayushman Bharat Yojana was given. 35 beneficiaries (20 were ANC mothers, 10 were mothers of children attending Under-5 Clinic, 5 were children attending Immunization clinic accompanied with their father). Few nursing students of MGM Hospital also attended the programme.
06/08/2019	World Breast Feeding Week	The beneficiaries were about 60 mothers of children attending under 5 clinic and ANC clinic. Introduction to theme, Breastfeeding quiz competition was conducted for the beneficiaries. The mothers who exclusively breastfed their children were felicitated along with poster presentation.
17/09/2019	National Nutrition Week	The theme, "Poshan Abhiyaan" and "Poshan ke Panch sutra" were explained to the beneficiaries. Quiz competition and poster presentation, nutrition recipes demonstration was conducted and role of Community participation was explained to the mothers. 40 beneficiaries attended the programme.

- Sunday Camps:

Months	No. of Camps	No. of Residents Posted	Total number of Beneficiaries
June to August 2019	30	90	3800

- Services at Naigaon Health Centre: Naigaon community is one of field practice areas of the department of Community Medicine.
- The various activities conducted in the Underfive Clinic, Naigaon community are as follows:
- [Under Five Clinic at Naigaon Maternity home on every Tuesday & Friday]-
- Naigaon under five clinic: No. of New registration: 161. No. of old beneficiaries 292.

Months	Old	New	Total
January 2019	14	31	45
February 2019	23	09	32
March 2019	34	23	57
April 2019	13	13	26
May 2019	25	14	39
June 2019	22	31	53
July 2019	37	18	55
August 2019	28	31	59
September 2019	03	03	06
October 2019	30	11	41
November 2019	46	12	58
Total	292	161	453

- Report of Naigaon Underfive Clinic, Naigaon Maternity Home
- Activities of Naigaon Underfive Clinic
 - World Health Day Programme 2019, Date- 16/04/2019, Venue – Under-5 clinic, Naigaon Maternity Home
- The Department of Community Medicine, Seth GSMC & KEMH, observed the World Health Day celebration on 16/04/2019 at Under-5 Clinic, Naigaon Maternity Home.
- The programme was conducted under guidance of Dr. G. D. Velhal (Professor & Head), Dr. Rujuta Hadaye (Professor Incharge Naigaon Urban health centre), Dr. Swati Deshpande (Associate Professor, Naigaon health centre) & Dr Sujata Lavangare (Assistant Professor Incharge, Naigaon Underfive clinic)
- The beneficiaries were about 35 (20 were ANC mothers, 10 were mothers of children attending Under-5 Clinic, 5 were children attending Immunization clinic accompanied with their father). Few nursing students of MGM Hospital also attended the programme. Prizes were distributed to the winners of Quiz.
The programme was conducted smoothly.
- World Breastfeeding Week Programme 2019, Date-06/08/2019, Venue-Under-5 clinic, Naigaon maternity home, Time 10.00am-12 noon
- The Department of Community Medicine, Seth GSMC & KEMH, in collaboration with GOSUMEC Alumni Association, observed the World Breastfeeding Week (1st week of August) celebration on 06/08/2019 at under 5 clinic Naigaon Maternity Home. The beneficiaries were about 60 mothers of children attending under 5 clinic and ANC clinic.

- The programme was conducted under guidance of Dr. G. D. Velhal (Prof.& Head). Dr. Rujuta Hadaye (Prof. Naigaon services), Dr. Swati Deshpande (Asso. Prof., Naigaon services), Dr. Sujata Lavangare (Asst.Prof.) and Dr. Rupali Sable (Asst. Prof.).
- Beneficiaries participated in the Breastfeeding quiz competition and prizes were distributed to the winners. The competition was judged by Dr. Mridula Solanki and Dr. Swati Deshpande. The PG students of the department performed a skit based on the theme. Dr. Kavita Salve felicitated those mothers who exclusively breastfed their children for 6 months. These mothers shared their experiences wherein family support played a major role.
- c. National Nutrition Month Programme 2019, Date - 17/09/2019, Venue - Under-5 clinic, Naigaon Maternity Home, Dadar, Time 10.30am - 12 noon
- The Programme was compared by Dr. Bhanupriya Pande (Bonded Senior Resident)
- The recipes prepared were distributed among the participants and were well appreciated. The Programme received good response from the audience.

Patient Education Centre KEM Hospital Community Medicine Department Activities:

- Has four types of Activities –
- IEC for the special Programmes and Days of Educational Activities by RMOs and Interns in Field practice areas in Naigaon, Malvani, Rural and Sastur)
- Regular on-Going IEC activities at OPD for the patients, Urban Health Centres and Rural Area
- Putting all posters on the website of KEM for public use
- Creating and Uploading of the Educational Material on KEM Hospital Websites
- Awareness drive on ‘Prevention of Hospital infections awareness’ with Microbiology.

Special Programmes and Days of Educational Activities)

- Organ Donation awareness Activities: Programmes in eight Colleges, schools, computer classes and Community, like talks and Exhibitions. TV Programmes and Radio Programme on OD in Marathi
- Ward Offices and Ganesh Mandals
- MARD Ganasha.
- Stalls near Canteen
- Sensitisation workshop for new RMOs
- Training of Volunteers of Ganpati Mandal on Organ Donation and programmes with NGO
- New Posters made for MLT Scrolls, Lifts.
- General and advanced training of students, NGOs about OD at MLT including Marrow Pledge Programme.
- Articles in Marathi on Organ Donation for Public Awareness
- NSS teacher’s re- training workshop on organ Donation with ROTTO at NSS central Office.
- Judging of Ganpati Mandal Programmes and College programmes on Organ Donation
- Awareness Rally on Indian OD day – 27th November, 2019

Seminar on The Theme of WHO Day 2019

- Discussions at MLT on Universal Health Coverage in Collaboration with Dept. of Community Medicine GSMC & KEMH for the institute and Students.
- Awareness activities in the community

World Breastfeeding Week 2019

- Radio programmes and TV programmes on Breast Feeding in July and August in Marathi, sessions in the communities.
 - Nursing and RMOs street play at Urban Health centres and rural area on 2019 theme of WBW.
 - August 1st to 7th World Breastfeeding Week at D Y Patil Hospital Special Big Posters made for Wadia Hospital and D Y Patil Medical college on Breastfeeding.
 - Special Banner for DHR MRU Project CHSI Study, Stake holder’s meeting (oct-2019)
- A. Creating and Uploading of the Educational Material (Posters, standees and Flip Charts) on the KEM Web Site
- o New posters on Organ Donations
 - o 5 standees on Organ Donation for MARD and ROTTO NGOs
 - o 10 new posters and flip chart on adolescent health
 - o Posters on WHO theme 2019 P.H.Department, “Universal Health Coverage Every one Every Where”
 - o Charts on Breastfeeding and Adolescent Health for NGOs
 - o Huge posters for Rainy Season diseases in hindi, Marathi and English with help line numbers..
 - o Posters on Anti-Ragging all over the campus

- o Documentation of the Departmental Work
 - o Educational Material for Sastur Hospital and making of a flip chart on Breast feeding
 - o 50 A3 size education posters on Preventing feeding of pets in KEM campus.
 - o Regular on Going Activities at OPD, Urban Health Centres and Rural Area:
 - o Educational posters on Immunisation, Diabetes foot care Diarrhoea, Dengue, Malaria, Leptospirosis, Universal Health Coverage, breastfeeding is put up alternately 24X7 at the OPD 1st Floor
 - o Posters and banners used in the programmes at Urban Health Centres by medical UG and PG students and Nursing students 40 programmes during the year used the posters of PEC
 - o MLT Display board all new posters are put up on Organ Donation and WHO day
 - o 4 Boards on 'AapaliChikitsa' Scheme for Malvani, UHC in October 2019.
 - o 19 Poster for IDSP depicting its activities.
 - o Boards & leaflets for Epidemiology Resource Cell (ERC) – December 2019.
 - o Printing with acrylic board display of 20 posters of Famous Personalities for Dept. – December 2019.
- B. Putting all posters and General Educational material, and of ROTTO SOTTO on the website of KEM for public use.
- C. Prevention of Hospital infections:
- o Awareness with Microbiology department with the help of posters all Hospital.
 - o Cleanliness of Hospitals, not to feed cats and Dogs posters for the entire Hospital.
 - o Plastic and Thermocol ban posters.

Dermatology, Venerology and Leprosy

- Participation in various camps in city and outside city in association with other departments-10-12/year
- Community awareness regarding fungal infections.
- Social awareness regarding blistering disorders by conducting “PEMPHIGUS MEET” in the month of January every year.
- Attending primary health care Dermatology OPD of 150 to 200 patients per week on Tuesday in Malwani
- Vitiligo day was celebrated on 25-6-2019, with patient education and distribution of free samples and snacks to the patient.
- Yoga day was celebrated on 21-6-19.
- Many camps are attended by the resident doctors within the city as well as at the outskirts.

Dentistry

- A dental health checkup was conducted on 6TH February at a health checkup camp held at Khar by Dr. Nausheen and Dr. Prerna.

Endocrinology

- Community outreach health services undertaken by our department: Weekly visits to diabetes dispensaries at peripheral health centers attached to KEM hospital.
- Social Awareness camps and lectures: Nil

ENT

New facilities provided

- 3D Endoscopy system
- Narrow Band Imaging
- Lumenis CO2 LASER
- Neuronavigation
- Stroboscopy
- Total inpatients admission – 2022
- Total surgical procedures – 2496
- Total New out patients –49042

Forensic Medicine

Community outreach health services: Project for Disaster Victim Identification for defence personnel with Indian Dental

Association

Social awareness camps and lectures:

- 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.
- Lecture given to Police Academy at Nashik & Khandala.
- Expert Opinion given in the case of sensitive issue, complicated medicolegal cases & sexual assault cases.
- Forensic Odontology lectures conducted for UG & PG student at Nair Dental Hospital College,
- Forensic Odontology Speaker at TEDx Platform.

Gastroenterology

- Community outreach health services undertaken by various departments: Plan to immunize all high risk personnel against Hepatitis B.
- Social awareness camps and lectures: Nil

General Surgery

- Support the blood bank camps, triage support to any major gathering or accident.
- Community outreach health services undertaken by various departments
- Social Awareness camps and lectures: Nil

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.
- Education with fun activity, outing, Birthday celebration, Festival celebration, Cancer Awareness, Parents support group meeting for cancer patients by Cankids trust.

Medicine

- Dr Santosh Salagre delivered an awareness talk in Marathi on Stress and Medical Diseases organized by Maharashtra Police for police recruits on the occasion of Raising Day on 4th January 2019 at Yellow-gate Police station, Mumbai.
- 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 2019 at Police training Centre, Kalina, Mumbai.
- Dr Santosh Salagre gave a Mumbai Doordarshan interview in Marathi on Hypertension on 5th March 2019 in programme titled Aarogya Sampada.
- Dr Shraddha More: Screen of Healthcare personnels for lifestyle diseases such as Diabetes, Hypertension, Dyslipidemias, Obesity.

Microbiology

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

Neonatology

- Community outreach health services undertaken: Awareness program in Breastfeeding & Lactation Management for NICU families on 10th August 2019.
- Social Awareness camps and lectures: Weekly meetings with parents of babies admitted in NICU to educate them about Preterm and Low Birth Weight care. Approx 1200- 1500 parents are educated in 2019.

Nephrology

- Dr. Tukaram Jamale gave a talk on DD Sahyadri channel, "Arogya Sampada" programme on "High blood pressure and

Chronic Kidney Disease”, - on 16th May 2019.

- World Kidney Day 2019 Marathon run participation by Department of Nephrology, clinical and paraclinical staff.
- Specialised Medical Social Worker (MSW) service attached to the Department of Nephrology.

Neurology

- Epilepsy Purple Day on 26 Mar 2019
- Epilepsy Awareness Program on World Epilepsy Day on 17 Nov 2019
- Participated in Epilepsy camp at Gondia, Bhandara and Sindudurg Oct – 2019.

Obstetrics and Gynecology

- Medical Camp on 09.3.2019 organized by MP Rahul Shewale- Chembur.
- Medical Camp on 4.4.2019 organized by Smt ST Kapse (High Court).
- Medical Camp on 14.6.2019 organized by Harshad P Karkar- Dahisar.
- Monsoon camp on 21.7.2019 at Santacruz at two venues.

Occupational Therapy

- World Occupational Therapy Month Celebration 2019 (27th October, 2019 - 27th November, 2019).
- For the celebration of two occasions i.e. Platinum Jubilee of Asia's first school of Occupational Therapy and World Occupational Therapy Day 2019 one event WALKATHON was planned and organized by Occupational Therapy Training School and Centre, Seth G.S. Medical College, KEM Hospital, Mumbai. Considering the magnitude of the event Dr. Jayashri Kale, Professor and Head of Occupational Therapy Training School and Centre, Seth GS Medical College, KEM Hospital, Mumbai involved many organizations in planning and implementation to have a greater impact and awareness. The organizations were
- All India Occupational Therapists Association (AIOTA).
- Mumbai Branch of All India Occupational Therapists Association.
- Occupational Therapy Training School and Centre, Lokmanya Tilak Municipal Medical College.
- Occupational Therapy Training School and Centre, Topiwala Nair Medical College, Mumbai.
- Occupational Therapy Department, All India Institute of Physical Medicine and Rehabilitation, Haji Ali.
- Occupational Therapy Department, Tata Memorial Hospital, Mumbai
- Private practitioners from Mumbai, Navi Mumbai, Thane, Panvel region.
- Dr. Hemant Deshmukh, Dean Seth GS Medical College, KEM Hospital, Mumbai flagged off the assemblage and explained the importance of walking in rehabilitation on 9th November, 2019 at 8a.m.
- Additionally, Dr. Anil Srivastava, President, AIOTA; Dr. Jyothika Bijalani, Dean, ACOT; Dr. Satish Maslekar, Secretary AIOTA, Dr. Shashi Oberoi, vice President, AIOTA encouraged the gathering to create awareness about the professional role in the healthcare.
- Mr. Pawar, Sub Inspector of Naigaon Police Station and Traffic police in-charge assured to have programs in their facility for the staff. They reinforced the importance of therapy in rehabilitation in his address. All the personnel of the police provided security for the event.
- More than 400 volunteers walked for 3 kilometres enthusiastically and distributed the pamphlets to the public and recited the slogans representing the occupational therapy.
- After the walkathon, students and staff of various colleges performed street play for creating awareness among the public.
- Dignitaries headed for the press conference held at Press Club of India at Mumbai in the afternoon.
- On 14th November, 2019 on the occasion of 70th anniversary of Occupational Therapy school and Centre, Seth GS Medical College, KEM Hospital, Mumbai “Preventive Back Care Camp” was organized for the staff and clients of the institute. About 200 clients benefited by the camp.

Ophthalmology

School camps organized by Education Department, Government of Maharashtra:

- School camp at Bahvani Shankar Road-Manapa Marathi School, At Dadar on 10/01/2019
- Sunday Monsoon Medical camp, at Teresa High School, Sakinaka on 23/06/2019
- Monsoon camp, At Parekh nagar School, Malad, on 04/08/2019
- Monsoon Camp (B.M.C), at Santacruz on 11/08/2019

- Free Medical Camp at Priyadarshini School, at Sion on 20/08/2019
- Eye Check up camp at, Dadar Vidya Mandir school on 16/10/2019

Other camps:

- Aarogya Shibir, at Khar on 06/02/2019.
- Multispeciality camp, at Chembur on 09/03/2019
- Dr. Babasaheb Ambedkar 63rd Mahaparinirvan Din Medical Camp at Dadar, from 04/12/2019 to 06/12/2019

Orthopedics

- We have the facilities of treating fresh and neglected musculoskeletal trauma in all age group. We treat congenital, inflammatory, infective, neoplastic and degenerative pathologies affecting musculoskeletal system. We have skill and equipment to treat simple & complex trauma, spinal surgery, arthroplasty, arthroscopy and paediatric orthopaedic surgery.
- Our staff members participated in local and regional social services camps.

Services Offered

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

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- 580 families counseled since Jan 2019.

Pediatrics

- 4-6th December: Resident Medical Officers and Speciality Medical Officers attended the Health Camp at Dadar, Chityabhoomi.
- Monsoon camps attended by Resident Medical Officers – 24.
- Regular health camps attended by Resident Medical Officers – 22.

Pharmacology & Therapeutics

- A team from Ayurveda Research Centre, Dr. Sudhir Juvekar (JSO), Dr. Jyoti Pendharkar (Registrar), Dr. Prerna Hosmani (House Officer), Dr. Swati Ratne (House Officer), Mr. Prakash Chavan, Mr. Ganesh Ingale, Mr. Vidur Gosavi (class IV employees); participated in Health Camp organized at Chaityabhumi from 4th to 6th December 2019 to provide care and awareness about rational use of Ayurvedic Drugs. 1691 patients were examined and prescribed Ayurvedic drugs.

Physiology

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

Plastic Surgery

Community outreach health services undertaken

- 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 Aashakiran, Burn survivor camp for pediatric Burn survivors for the mental health of Burn children.

Psychiatry

Community Outreach Services

Malvani Community Outreach Centre

- A community psychiatric health Centre is run by the Department at Malvani, Malad. Trained psychiatrists examine and treat patients hailing from this area. Psycho-educational lectures are taken during community programmes 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 Patient: New cases – 152 & Old cases – 1,779.

Social Awareness Camps and Lectures

- Psychoeducation groups conducted along with team once every week by the Psychiatry Social workers.
- Awareness programme on depression and dementia conducted for 150 senior citizens of 'F' South Ward Community in September 2019.
- Bone density checkup arranged for 107 people (Staff and community people) in September 2019.
- A session on "Presentation of Substance Abuse" conducted for students of National Institute of Fashion Technology in November, 2019.
- Guidance provided to students of M.A. in Social work by Psychiatric Social Workers.

Surgical Gastroenterology

- Social Awareness Lectures were delivered by Dr Chetan Kantharia, Dr Ramkrishna Prabhu and Dr Sharvari Pujari at various forums including on Television and for Hospital Staff including sisters

Transfusion Medicine

- 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 2019 with co-ordination with Jivandata Swayamsevi Sanstha, Kalachowki & collected 263 units of blood.
- A single organization i.e. Tarun Mitra Mandal had organized 3 Blood donation camps in the year 2019. On 06.01.2019 - 521 blood units were collected. On 05.05.2019, 455 units and 22.09.2019 - 453 units of blood collected. Tarun Mitra Mandal contributed a total of 1429 blood units in the year 2019.

Donations and Grants

Donations and Grants

Biochemistry and Clinical Nutrition

- Donation of Rs. 40,000 each from Ortho-Clinical Diagnostics, Becton Dickinson Diagnostics and Randox Laboratories for conducting 15th Good Clinical Laboratory Practices Certificate Course.

Cardiology

- A generous grant for ICCU and cath lab equipments was given by Savli trust, KEM hospital.

Chest Medicine and Environmental Pollution Research Center

- A grant of Rs. 52,67,000 has been received as financial assistance for the research project entitled “National Environmental health Profile -Mumbai” for a period of three years.

Clinical Pharmacology

- Received a grant of Rs. 25,000/- from ‘Diamond Jubilee Society Trust’ for a project entitled “Quantitative proteomic evaluation of Chikungunya antibody positive participants compared to age and sex matched healthy controls in a tertiary care hospital of Western India”
- Received a grant of Rs. 50,000/- from ‘Diamond Jubilee Society Trust’ for a project entitled “Effect of CNS stimulant and CNS depressant on healthy volunteers using computer-based tests on the Mindomatics™ software – Validation Study”
- Received a grant of Rs. 15,000/- from ‘Diamond Jubilee Society Trust’ for a project entitled “An audit of safety reporting in Randomized Controlled Trials (RCTs) over a five-year period in one high impact factor journal”
- Received a grant of Rs. 75,000/- from ‘Research Society’ for a project entitled “Evaluation of genotyping and therapeutic drug monitoring vs. only therapeutic drug monitoring as a strategy for risk minimization in epileptic patients on phenytoin therapy: a randomized controlled trial”

Dermatology, Venereology and Leprology

- A donation of Rs. 51,000 received from Mr. Deepak Shah for the better care and development of the department.

Endocrinology

- Smt. Nayanaben Dhedia donated a sum of Rs. 35,40,000/- for Chemiluminescence machine for patient care.

ENT

Sr. No.	Item	Donor	Date
1.	Audiology equipments	Lions club international foundation & Lions club Byculla	25/5/2019
2.	65 cochlear implants	CM fund, PM fund, Tata and many other	Jan till date
3.	2 Baha	CM fund, PM fund, Tata and many other	Jan till date

Gastroenterology

- -25°C & -45°C deep freezer and Capsule endoscopy system received as grants.

Hematology

Received funds from:

- 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

- Received a grant of Rs 2,50,000 from MDACS for ICTC-M, EQAS and ART aiming towards strengthening patient care activities.

Neonatology

Name of Donor	Amount donated / Equipment donated (Rs.)	Specific activity for which donated
NUHM, MOHFW, Government of India	32,97,000.00	Training of pediatricians & nurses in Facility Based Newborn Care.
NUHM, Government of Maharashtra	1,80,400.00	Data collection in NICU
Drugs for Neglected Disease Initiative (DNDi), Swiss Foundation & GARDP Foundation	45,11,135.00	Research: NeoAMR Global Neonatal Sepsis Observational Study (NeoOBS)
Inner Wheel Club of Bombay	KMC bags: 480 Nestings: 480 Baby sheets: 960	Developmentally supportive care of neonates
Mrs. Shraddha Panchamia	Pulse oximeter: 1	NICU care
Mrs. Raksha Valia (Krishna Vrundavan Pratishthan)	Pulse oximeter: 5 Infusion pump: 5 Phototherapy: 4 Blender: 1 Hot air oven: 1 Breast milk pumps: 3 (7,75, 000.00)	NICU care Human Milk Bank facility
Mr. Anuj Chugani	Total body Cooling system (1,79,200.00)	Hypothermia treatment in perinatal asphyxia

Nephrology

- DJST Grant of 1 lac for the project titled, “Complement system abnormalities in patients with atypical HUS and their impact on clinical outcomes”.
- MRU Grant for the project titled, “ Cyp3A5 polymorphisms and trough levels of tacrolimus and their impact on graft outcomes in Indian kidney transplant recipients”.

Neurosurgery

- Received donation from Rotary Club of Malabar Hill and developed a State of Art Neurosurgical Intensive Care Unit.

Nursing

- Received a donation of 14 Computers and printers, 2 air conditioners, one LED TV from Dr Hansoti

Occupational Therapy

- Received grant for organizing International Neonatal Therapy Week Celebration 2019 from Research Society of Seth GS Medical College for organizing a symposium on “Update on Neurodevelopmental Care in NICU” on 17th September, 2019 at MLT.
- On the occasion of Platinum Jubilee Celebration event of Occupational Therapy Training School, Seth GS Medical College symposium on “Forequarter Rehabilitation” was sponsored by Riddhi Surgicals 23rd - 24th, December, 2019 at MLT.
- Received research grant from Research Society of Seth GS Medical College for conducting study “Family Centred Care” in November, 2019. (Nandgaonkar Hemant, Prachi Gangurde)

Ophthalmology

Item	Amount	Year/Month	Name of the Donor
<ul style="list-style-type: none"> Keeler Vantage Indirect Ophthalmoscope B + H Manual cabinet with trial frame lenses Schiotz tonometer 	Rs 1,00,000/-	September 2019	Seth Bhanu Tekhchand charitable trust.
Anesthesia work station with accessories	Rs 10,05,977.44	June 2019	Angels link Foundation
Keeler Direct Ophthalmoscope, Streak rechargeable retinoscope + Schiotz tonometer	Rs 67,536/-	February 2019	Lion Club of Bombay Q
Non-Contact tonometer	Rs 1,35,000/-	January 2019	Mr.Solanki

Pediatric Anesthesia

- Anjeze Charitable Trust donated 6 Infusion Pumps and 1 convective warmer with paediatric body blankets worth approximately 4 Lakhs in November 2019

Pediatric Surgery

- Masimo Pulse oximeters and water beds donated by Smt. Sheela Mantri, Mrs Prakash Desai, Ms. Neema Goregaonkar, Mrs. Rekha Thakur

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 Rs. 50,000	For purchase of instruments For 1 st MBBS foundation course
Amar Hind Mandal, Dadar	Rs.5,00,000	For Exercise Physiology Lab

Physiotherapy

- Dr Shobna Bhatia donated a sum of 9000/- for Finger Probe Pulse ox to strengthen patient care.

Plastic Surgery

- ReSurge International gave a grant for post Burn Patients

Psychiatry

- Donation Arranged by MSWs for the year 2019: **Rs. 1,08,864/-**
- Medical aid obtained in kind worth: **Rs. 45,000/-**

Donor Agencies:

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

Urology

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

Education

Education

Anatomy

- Courses offered, intake for the current year and results:

Sr. No.	Courses taught	Intake of Students (for 2019)	Results (% of pass for 2019)
1	I MBBS	180	93%
2	MD Anatomy	02	100 %
3	I B.P.Th.	40	-
4	I B.O.Th.	40	-
5	Nursing	80	-
6	I B.P.M.T	34	-

- 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	Biomedical Engineering	Thadomal Shahani College of Engineering	35
4	Nursing	Holy Spirit Institute of Nursing Education	30
5	Nursing	Gopikrishna Piramal Memorial Hospital	15

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

- Library Holdings:

Total No. of Books:	945
No. of New Books added in 2019:	60
No. of Journal titles:	04
Total No. of Journals:	111

Anesthesia

- Course offered, Intake for current Year results :

Sr. No.	Courses taught	Intake of Students (for 2019)	Results (% of pass for 2019)
1	MD	22	100%
2	DA	16	100 %
3	B.P.M.T. (OT Technician)	10	100%
4	One year Fellowship Course (MUHS approved) in Pain Medicine	01	-
5	One year Fellowship Course (MUHS approved) in Neuro-Anesthesia	02	-
6	One year Fellowship Course (MUHS approved) in Regional Anesthesia	02	-
7	One year Fellowship Course (MUHS approved) in Gastroenterology Anesthesia	02	-
8	CPCR : Advanced Cardiac Life Support (ACLS)	Attended by approx. 300 students	-

- Library :

No. of books : 700
Computer equipped Dept. library is available for use to faculty and residents.

Biochemistry and Clinical Nutrition

Sr. No.	Courses Taught	Intake of Students for (2019)	Affiliated University
1	MBBS - I Year	250	MUHS
2	B.P.Th. - I Year	40	MUHS
3	B.O.Th. - I Year	40	MUHS

Sr. No.	Courses Taught	Intake of Students for (2019)	Affiliated University
4	B.P.M.T. - 1 Year (Cardiology Technician & Perfusion Technician)	10	MUHS
5	PG-DMLT	10	MUHS
6	Ph.D. Medical Biochemistry	2	MUHS
7	M. Sc. Biochemistry by Papers	12	Mumbai University
8	M. Sc. Biochemistry by Research	2	Mumbai University

Cardiac Anesthesia

- Courses offered and intake: Two seats in DM cardiac anesthesia & One Fellowship seat in cardiac anesthesia.

Cardiology

Courses offered and intake for the current year:

- D.M.Cardiology: 6 residents joined in the current year.
- 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.
- BPTth (IIIrd year), BOTth students & MPTh students for posted for clinics, learning patient care and rehabilitation.
- Nursing students from various institutions are allowed observership as per administrative directives.
- Five observers underwent training in department in 2019.

Chest Medicine and Environmental Pollution Research Center

- Course offered and intake: MD (Pulmonary Medicine);4 seats
- Four students appeared for MD (Pulmonary Medicine) examination held in the month June 2019 & all four candidates cleared the examination.
- Post graduate students take part in educational activities consisting of presenting seminars in departmental PG activity, journal club, clinical case presentation, interdepartmental case based discussions of complex cases.
- MBBS, Occupational and Physiotherapy students are regularly posted in Chest Medicine as part of their curriculum and undergo training through lectures and bedside clinics.

CVTS

- Course offered and intake:
 - M.Ch (Cardiovascular & Thoracic Surgery) - 6 seats
 - Certificate course in the Extra Corporeal Perfusion Technology (One year) - 3 students
- M.Ch residents rotate through other disciplines like Cardiology, Chest medicine, Vascular Interventional Radiology and Surgical Oncology at Tata Memorial Hospital.
- Department has an active teaching programme in the form of clinical presentations, journals club, diagnostic catheterization conferences and mortality meeting.
- Department also offers undergraduate course of three years for BPMT perfusion therapy from MUHS Nashik.
- Department runs active teaching and clinical training for the perfusion students/ Nursing / OT & PT.
- Two Functional Departmental Vascular Lab with Weekly Hands on Training session.
- Three honorary Consultant have joined the department.
- Departmental Library - 358 book

Clinical Pharmacology

- Courses offered, intake in 2019:
 - DM (Clinical Pharmacology) – 02
 - Ph.D (Clinical Pharmacology) - 0
 - Ph.D (Applied Biology)-0
 - Msc (Applied biology) -0
- MD Pharmacology residents from KEM (rotation posting for 2 months) - 10
- MD Pharmacology residents from Baroda Medical College (observers for 2 months) - 3

Community Medicine

- Courses offered, intake and results:

	Course offered	Intake	Results (2019)
1	M.B.B.S.	181	Pass -177 Failed -4
2	Diploma in Public Health	-	-
3	M.D. (Community Medicine)	16	All Passed
4	PhD (Community Medicine)	6 students pursuing PhD	
5	Postgraduate course in Pharmaceutical Medicine	Lecture courses in Community Medicine	
6	Bachelor of Occupational therapy (B.O.Th.)	Lecture courses in Community Medicine	
7	Bachelor of Physiotherapy (B.P.Th.)	Lecture courses in Community Medicine	
8	B.Sc. Nursing (Bhagwati, Cooper Hospital)	Lecture courses in Community Medicine conducted by Malvani Health Centre	

- Post Graduate Students Activities for MD (Community Medicine):

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

- 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.
- Two students of D.H.A. from Garware Institute of Management posted for internship in the department in the year 2019.
- Postings of resident medical officers of 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 resident medical officers (RMO’s).
- One 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
- For the year 2019, department has trained 176 regular batch interns, 15 casual batch interns, 20 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, Venerology and Leprosy

- Observers and Elective Trainees in 2019

Name of the observer	Purpose of training	Place of origin
Dr Payal Chauhan	Dermatopathology Observer	Delhi
Dr Navya Donapathi	Dermatopathology Observer	Bangalore
Dr Dipali Rathod	Dermatopathology 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.
- Invited Dr. Jay Gupte, consultant Dermatologist for conducting live Vitiligo surgery (Smash Technique).
- Conducted 1st National UG Dermatology Quiz at CONFLUENCE 2019.
- 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

Endocrinology

- Courses offered, intake in 2019:
 - DM Endocrinology – 03
 - Diploma Diabetology (DD):02
 - Ph.D. applied Biology: 01
- New courses added and intake: Nil
- Library: No. of books - 780

ENT

- Daily clinics, weekly seminars and grand rounds for PG students.
- Clinics for PG students held at Prince Aly Khan Hospital and AOI west branch.
- Theory lectures for UG, Physiotherapy and Occupational Therapy Students.
- Practical clinics and exams for MBBS students.
- Fellowship programme in Otolaryngology and FESS.
- Invited International Speaker for *T-O Shah Oration*, April 2019.
- Jointly organized 13th Phonosurgery workshop Live and Cadaveric dissection workshop with Bombay hospital in May 2019.
- Jointly organized Endoscopy base Live and Cadaveric dissection workshop with Bombay hospital in June 2019.
- Organized Airway surgical workshop under Prof Phillippe Monnier in July 2019.
- Conducted FESS Live and Cadaveric dissection workshop in August 2019 with 4 MMC credit hours.
- Organized 17th Annual CIGICON '19 with Cadaveric dissection workshop in October 2019 with 4 MMC credit hours.
- Organized Temporal bone dissection Workshop in November 2019.

Forensic Medicine

- Courses offered, intake for the current year and results:

Sr. No.	Courses taught	Intake of Students (for January 2019)	Results (% of pass for 2019)
1	II MBBS	185	100 %
2	MD	01	100 %

Gastroenterology

- External rotation posting from Tata Hospital, Mumbai – Dr. Raosaheb Rathod, Dr. Sahil Shaikh, Dr. Utkarsh Chanchure
- Courses offered and intake for 2019:
 - DM Gastroenterology - 4 students
 - PhD / MSc (Applied Biology) - Nil

Hematology

- Department of hematology conducted quarterly MHG meeting in September 2019.
- Started monthly PG teaching programme for hematology and hemato-oncology residents of Mumbai from October 2019.

Medicine

- Medicine Lectures Conducted for MBBS, OT/PT and Nursing Students by Dept. of Medicine year around.
- Foundation course Conducted for PG Medicine Students by the Department of Medicine in June 2019.
- Dr. SBS Unit conducted UG- Structured Clinical Training during first clinical posting from July to December 2019.
- Dr. Santosh Salagre coordinated undergraduate & postgraduate student's selection for the Summer School in Oncology

2019 conducted by The King's College London at TATA Memorial Centre, Mumbai.

- Dr. Santosh Salagre co-organized series of bioethics training programs for medical, PT, OT, Nursing students as head of GSMC MUHS UNESCO Bioethics Unit.
- Dr. Santosh Salagre conducted as Co-Convenor the contact session of Advance Course in Medical Education (ACME) at GSMC – KEMH- MCI Nodal Centre, Mumbai, 27th May to 3rd June 2019 and was faculty for various sessions.
- Dr. Santosh Salagre conducted workshop on Professionalism for the first year Post Graduate students of department of Medicine, GSMC & KEMH on 2nd July 2019.
- Dr. Santosh Salagre conducted workshop on Ethical Professional Behavior for postgraduate students of Shri B M Patil Medical College, Vijayapur, Karnataka, organized by department of Medical Education, BLDE University as a part of their Orientation Program on 5th July 2019.
- Dr. Santosh Salagre conducted workshop on effective communication Skills for postgraduate students of Anesthesia, GSMC on 15th July 2019.
- Dr. Santosh Salagre conducted workshop on effective communication Skills for postgraduate students of Pediatrics, GSMC on 16th July 2019.
- Dr. Santosh Salagre conducted an interactive session during Foundation Course for first MBBS students on Professionalism & ethics at Seth GSMC, Mumbai on 3rd August 2019.
- Dr. Santosh Salagre conducted an interactive workshop during Foundation Course for first MBBS students on Professional Values & Basic Bioethics at Grant Government Medical College and Sir JJ Group of hospitals, Mumbai on 13th August 2019.
- Dr. Santosh Salagre conducted an interactive session during Foundation Course for first MBBS students on Basic Communication Skills at Seth GSMC, Mumbai on 14th, 22nd and 26th August 2019.
- Dr. Santosh Salagre conducted workshop on effective communication Skills for postgraduate students of Surgery, GSMC as a part of their Foundation course on 21st August 2019.
- Dr. Santosh Salagre conducted an interactive session during Foundation Course for first MBBS students on Communication skills at HBT Medical College and Dr R N Cooper Hospital, Mumbai on 20th August 2019.
- Dr. Santosh Salagre conducted an interactive session during Foundation Course for first MBBS students on Value and Integrity at Seth GSMC, Mumbai on 21st August 2019.
- Dr. Santosh Salagre conducted workshop on effective communication Skills for postgraduate students of Medicine, T N Medical College, Mumbai on 30th August 2019.
- Dr. Santosh Salagre conducted “Effective communication Skills workshops” for MPTth students and faculty at K J Somaiya College of Physiotherapy 13th, 23rd and 24th September 2019.
- Dr. Santosh Salagre conducted “Effective communication Skills workshops” for members of IMA, Bhavnagar on 16th September, and for postgraduate students/ faculty of Government Medical College, Bhavnagar on 17th September 2019.
- Dr. Santosh Salagre conducted a session on Communication Skills during MUHS Approved “Resident as Teacher-Basic Workshop in Educational Methodology” organized by Department of Physiotherapy on 26th September 2019 at LTMMC & LTMGH, Sion.
- Dr. Santosh Salagre conducted two workshops on Effective Communication Skills for postgraduate students and faculty of department of OBGY, GSMC & KEMH on 9th and 12th October 2019.
- Dr. Santosh Salagre conducted pre conference workshop on Professionalism and Bioethics during International Conference on Bioethics in Health Sciences- BIOETHICON 2019 on 7th November 2019, Chaired two sessions of scientific paper presentation and delivered a guest lecture on “Teaching Professionalism – Myths & Realities” on 10th November 2019 held at SRM Medical College, Chennai.
- Dr. Santosh Salagre conducted full day Pre Conference workshop on Teaching-Learning and Assessment of AETCOM competencies during 11th National Conference on Health Professions Education NCHPE 2019 at KLE University, KAHER's Jawaharlal Nehru Medical College, Belgavi, Karnataka on 21st November 2019.
- Dr. Archana Sonawale: served as chairperson for Medical Symposium in Confluence 2019 in August 2019 and in Rheumat CME in Hinduja Hospital in Nov 2019
- Dr. Shraddha More conducted workshop in Confluence 2019 for UG students on “Approach to common emergencies”.
- Dr. Shraddha More conducted workshop in Ascension 2019 for UG students on “Mechanical Ventilation”.
- Dr. Shraddha More conducted workshop for PG students in orientation programme 2019 on “Cardiopulmonary Resuscitation”.
- Dr. Shraddha More conducted workshop for UG students on “Cardiopulmonary Resuscitation” and for nursing staff on «Stroke awareness”.

- Dr. Shraddha More: Founder of “GS Clinical Concerts” - One roof case presentations for undergraduates.
- Dr. Smrati Tiwari organised “Confluence” a 5 day conference of undergraduate MBBS students from 31st July 2019 to 3rd August 2019 at Seth GSMC and KEMH.
- Dr. Smrati Tiwari conducted CPR workshop for 1st MBBS students as part of Foundation course.
- Dr. Vishal Gupta was faculty for MICROCON 2019 and faculty/facilitator for the CPR Workshop for 1st MBBS Students.

Microbiology

- The department provides 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, University of Mumbai) by research, PGDMLT and Ph.D. students.
- Six students have registered for MD Microbiology this year.
- The pass percentage for M.D in 2019 was 100 %.
- Departmental Library: Books – 239; Journals – IJMM, JPGM (now e-prints only).
- Conducted hands on training on HIV testing for lab technicians in collaboration with MDACS and PATH.

Neonatology

- Courses offered and intake for 2019:
 - DM (Neonatology): 4
 - MUHS Fellowship: 2
- Library: Total no of books- 193

Educational activities and CME's organised:

- National observers cum trainee: 10 Pediatricians & 24 nurses from Orissa, Chhattisgarh and Maharashtra trained in Facility Based Newborn Care.
- Conducted CME on ‘Intravenous Therapy’ on the occasion of International Intravenous Day for staff nurses on 25/01/2019.
- Observership training program on ‘Facility Based Newborn Care’ for pediatricians & nurses from Chhattisgarh from mid-January to March 2019.
- Organised a workshop on ‘Bayley Scales of Infant & Toddler Development’ on 5/03/2019.
- Conducted 12th Annual workshop on ‘The Art of Neonatal Ventilation’ from 17/6/2019 to 21/06/2019.
- Organised a workshop on ‘High Frequency Ventilation’ on 22/06/2019.
- Training program conducted in ‘Breastfeeding & Lactation Management’ for staff nurses & residents on 08/08/2019.
- Conducted a seminar on ‘Breastfeeding & Lactation Management’ for student nurses on 09/08/2019 and awareness program on Breastfeeding for NICU families on 10/08/2019.
- Organised training program in ‘Kangaroo Mother Care’ on 29/11/2019.
- Observership training program on Facility Based Newborn Care for pediatricians & nurses from Chhattisgarh from 18/11/2019 to 30/11/2019.

Nephrology

- Courses offered and intake for 2019:
 - DM Nephrology: 2
 - Literature access through departmental library- Total number of books- 370+ and journals (national and international)
- Educational activities and CME's organised-

- Hosted the opening academic session of the Mumbai Nephrology Group in January 2019.
- “Food and Health” CME- on Diet and Mindful eating -held on 29th March 2019, at JMLT, KEMH.
- *M. D. Motashaw oration* by Dr. M. K. Mani on 29th May 2019, at CVTC Auditorium, KEMH.
- “Hypertension Update 2019” -CME held on 23rd June 2019, at CVTC Auditorium, KEMH.

Neurology

- International observer in 2019: Nicholas Paleologus from University of Pennsylvania, New York, Research fellow in Biological basis of behavior.
- Courses offered and intake for 2019:

- o DM Neurology: 2
- o Post-Doctoral Epilepsy Fellowship: 2
- o B.Sc. Paramedical Technology: 5
- Departmental library holds 250 books.
- Every Saturday lectures conducted for OT/PT students.
- Conducted a CME in 'Cognitive Neurology' under IAN initiative.

Neurosurgery

- Department recognized by WFNS education committee as Class A centre for training in skull base surgery
- International fellows trained in 2019:
- Edwin Saragih (Indonesia), Ali Akram Shahadha and Raghdan Faisal taha (Iraq), Kaunda Ibebuike (Nigeria), Jonathan Roth (Israel), Thinesh Kumarali and Cheah Pooi (Malaysia), Amer Alomari (Jordan) Antony Thomas (South Africa), Abdurrahman Tas and Abdurrahman Geth (Turkey), Mohammed Zayad and Emad Ibrahim (Sudan)
- National Fellows in 2019 – 27
- The Department has 7 recognized teachers for M.Ch. (Neurosurgery) of the University of Mumbai.
- Courses offered and intake for 2019:
 - o M. Ch. Neurosurgery: 4
- Departmental library: 2314 books and various National and International Journals.

Nuclear Medicine

Course offered

DNB (Nuclear Medicine)

Intake – 2 students per year

Results: 100%

Nursing

- Nursing Department & School of Nursing had conducted 10 CNE for K.E.M. Hospital nursing staff on following topics:
 - o Management of diabetics - 4 sessions
 - o Bioethics - 4 sessions
 - o Immunization - 2 sessions
- Every year we send nursing staffs for higher education i.e. P.B.Bsc, M.Sc. Nursing, Trade Unionism & Industrial relationship.

Obstetrics and Gynecology

- CMEs conducted by the department:
 - o 'Managing Obstetric Emergencies' on 10th April 2019.
 - o 'Perinatal Infections and Infection Prevention' on 27th February 2019.
- Courses offered and intake for 2019:
 - o MS (O&G): 24
- Departmental library: 518 books ; Journals: 267

Occupational Therapy

International Observers and Elective trainees:

Results:

Year	Result
First BOTH	76%
Second BOTH	84%
Third BOTH	96%
Fourth BOTH	100%

Year	Result
MOTH - Neurosciences	100%
MOTH - Developmental Disabilities	100%
MOTH - Musculoskeletal Sciences	100%

New courses added and intake: Nil

Library:

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

Ophthalmology

CME

- Posterior Uveitis CME by Dr Paritosh Kamdar
- Diabetic retinopathy CME by Dr.Paritosh Kamdar
- Pseudophakic cystoids macular edema CME by Dr. Paritosh Kamdar
- How to dissect a paper by Dr.Sabhyasachi Sengupta

Training programmes

- Age related Macular degeneration-Dr Paritosh Kamdar
- EyePep PG training programme 2019 at L V Prasad Eye Institute Hyderabad

Orthopedics

- Courses offered – MS Orthopedics intake of 24 candidates per year.
- Academic activities - Regular monthly clinical meets, educative ward rounds and bedside clinics apart from scheduled under graduate and post graduate lectures.
- Departmental library has access to online journal data bases.

Pathology

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

Pediatric Anesthesia

- Courses offered and annual intake:
 - o DM (Pediatric Anesthesia) Intake capacity: 2/year
 - o Fellowship in Pediatric Anesthesia Intake capacity: 2/year
- Library
 - o Departmental Library has 63 books with latest titles.

Pediatric Surgery

- Courses offered and annual intake:
 - o MCH Pediatric Surgery: 4 seats

- o Fellowship course in Pediatric Minimal Access Surgery: 1 seat

Pediatrics

- Courses offered and intake in 2019:
 - o MD Pediatrics: 28 seats
 - o Fellowship in Pediatric Intensive Care: 2 seats
 - o Fellowship in Clinical Genetics: 2 seats
 - o Fellowship in Pediatric Neurology & Epilepsy: 2 seats
 - o MSc in Applied Biology - Nil
- Library Holdings: Books - 231 & Periodicals.

Pharmacology and Therapeutics

Participation in UG and PG teaching and training activities:

- Teaching sessions for the students of II MBBS, II year BOTh, II year 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 2019.
- 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.
- Two postgraduate students were selected for a two-month internship program at AstraZeneca, Bengaluru.

Workshops / CMEs / Guest lectures organized:

- GCP workshop and “ Questionnaire Designing” and “Qualitative studies” on 1st March 2019, at Ali Yavar Jung National Institute of speech and hearing disabilities, Bandra (w)
- GCP workshop for Ethics Committee Members of Jaslok Hospital & Research Centre was organized at Jaslok Hospital, Mumbai on 9th March 2019.
- MUHS approved Research Methodology Workshop at PD Hinduja College of Nursing, Andheri, Mumbai from 13th -15th March 2019.
- GCP workshop for Ethics Committee Members of Bhatia Hospital Research Centre, Mumbai was organised at Bhatia Hospital, Mumbai on 30th March, 2019.
- GCP workshop and “Ethics considerations in Research” for Ethics Committee Members of Yoga Institute Ethics Committee on 4th May 2019 at Yoga Institute, Santacruz (E), Mumbai.
- GCP workshop for post graduate students of Pharmacology of Seth GSMC & KEMH was organized on 27th June 2019 by Dept of Pharmacology & Therapeutics at Seth GSMC & KEM H.
- RMW workshop for post graduate students of Seth GSMC & KEMH was organized on 24-26th June, 10th October and 25th-27th November 2019 by Dept of Pharmacology & Therapeutics at Seth GSMC & KEMH.
- RMW workshop for post graduate students of Terna Dental College was organized on 21st -23rd August 2019 by Dept of Pharmacology & Therapeutics at Seth GSMC & KEM H.
- RMW workshop for post graduate students of Bharati Vidyapeeth Dental College and Hospital, Navi Mumbai was organized on 25th -27th September 2019 by Dept of Pharmacology & Therapeutics at Seth GSMC & KEM H.

Courses offered and intake in 2019:

Courses Offered	Intake for the current year	Results of Exams
MD Pharmacology	10	100%
PhD in Applied Biology	-	-
M.Sc. Applied Biology	-	-

Library:

- Currently holding 810 books. 6 new books were added this year in department library.

Physiology

- Courses offered and intake in 2019:

Courses offered	Intake
Postgraduate degree course in Human Physiology	9
I MBBS	250
IIIrd MBBS (Integrated lectures)	180
FYBOTH /FYBPTH	40 + 40
III year OT	40
Bachelor of Para-Medical Technology 1 st & 2 nd year	25

- **Student activity:**
 - o Our Department organized Quiz competition in Physiology for 1st Year MBBS Students.
- **Library books:**
 - o Departmental library books for faculty & residents = 1590
 - o Library books for first year MBBS & OTPT students = 823

Physiotherapy

- Courses offered and intake in 2019:

Courses	Duration	Intake	Results
Bachelors in Physiotherapy	Four years + Six months of Internship	40	I BPTH: 75% II BPTH: 95% III BPTH: 95% IV BPTH:100%
Masters in Physiotherapy	Two years	Total =20	
PT in Musculoskeletal Science		8	100%
PT in Neurosciences		6	100%
PT in Cardiovascular & pulmonary Sciences)		6	100%
Ph.D.		13	
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 extracurricular 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:

Plastic Surgery

- Courses offered and intake for 2019:
 - o M.Ch. (Plastic Surgery) - 4

Psychiatry

- International /National Observers/Trainees in Psychology - 15
- Courses Offered and Intake in the year 2019:
 - o M.D. (Psychiatry) – 6
 - o MUHS Approved One Year Deaddiction Fellowship Course - 2
- Results for the year 2019:
 - o Four MD Psychiatry and 1 Diploma candidates passed the MUHS Summer 2019 Examination.
- Books on Psychiatry and Allied Subjects: 1015
- The Department of Psychiatry had organized:
 - o Dr. V.N. Bagadia Oration delivered by Dr. Rakesh K Chadda, Prof & Head, Dept of Psychiatry, AIIMS, New Delhi on 20th Nov, 2019 on topic “Social Psychiatry: Essence of Psychiatry”.
- De-addiction Projects:

- o 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.
- o 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)
- o DTC scheme was expanded further and 5 new DTCs were established at Dhule, Nagpur, Hyderabad, Indore and Chennai.
- o This was done after the feasibility assessment by the faculty, Dr. Shilpa Adarkar and DTC coordinator, Dr. Kumar Kamble.
- o After the approval from the nodal centre at NDDTC, AIIMS, 5 days induction training programme was conducted in June, 2019 at KEM Hospital for the newly recruited staff at the new DTCs.
- o Deaddiction Awareness Programmes conducted in Schools and colleges in collaboration with Antinarcotics Cell (June – July, 2019.)
- National survey on extent & pattern of substance use in India:
KEM was 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 projects involved:
 - o Household survey in all states and UTs of the country (for legal & socially acceptable substances).
 - o RDS survey with multiplier (for estimating the size of illicit drug dependent population) in all states / UTs.
 - o Focused thematic studies.
- Workshops/CMEs/Training conducted by the department:
 - o 'Conflict Management: Advance Course on Medical Education' MET, KEM, 2nd December 2019 by Dr. Neena Sawant.
 - o Bombay Psychiatric Society Clinical Meet by Dr. Ajita Nayak's Unit (Deaddiction) on "Drug Wars: The Rise of Newer Psychoactive Substances" on 29th November, 2019 at KEM Hospital and Seth GS Medical College, Mumbai.
 - o MUHS two day Workshop on "Communication Skills in Health Care Practice" at MUHS Regional Centre on 25th and 26th November 2019.
 - o Speakers in the Symposium on 'Women and substance use disorder' – Gender Differences on 13th November 2019.
 - o Webcast on Pain Disorders and Tricyclic Antidepressants on 13th November, 2019 at KEM Hospital and Seth GS Medical College, Mumbai.
 - o Workshop on Family Intervention by Dr. Shilpa Adarkar, Dr. Kumar Kamble & Dr. Gaurang Surti on 12th November, 2019.
 - o Workshop on Body Image, Anxiety, Fear and Stress management at Yuvaparivartan, Bandra on 9th October, 2019 by Dr. Hemant Saurabh, Dr. Avanti Rave and Dr. Aditya Anvekar.
 - o Guest Lecture on Training in Caregivers of patients with Dementia on World Alzheimer's Day, 21st September 2019.
 - o Workshop for PG students on Sexual Dysfunctions and Therapies 22nd September 2019 at BJMC, Pune by Dr. Neena Sawant.
 - o Conducted lectures on Learning Styles, Stress management and Communication Skills as part of Foundation Course for 1st MBBS students, held at KEM Hospital, Mumbai during August, 2019.
 - o Bombay Psychiatric Society Clinical Meet by Dr. Ajita Nayak's Unit on "Psychosis Unmasked by Gaming" in July, 2019 at KEM Hospital and Seth GS Medical College, Mumbai.
 - o Guest Lecture by Dr. Shilpa Adarkar on Newer Psychoactive Substances at MP Psycon, Ujjain; June 2019.
 - o CME on Tobacco Addiction on World No Tobacco Day, 31st May 2019 held at KEM Hospital, Mumbai.
 - o Guest lecture by Dr. Neena Sawant on "Communicating effectively To Parents"- 7th April 2019: CME on Transforming Children through Mental Health -Thane Psychiatric Society.

Radiology

- Courses Offered and Intake in the year 2019:
 - o MD Radiology
- Academic activities:
 - o Lectures by residents –Weekly
 - o X-ray spotter and case discussion - Monthly
 - o Gastrointestinal imaging spotter and case discussion - Monthly
 - o Lectures of X-ray physics - Twice monthly

- o Epilepsy Meet- Weekly
- o Gastrointestinal Meet – Weekly
- Maintaining the website www.kemradiology.org, which includes case of the day, case of the month, monthly quiz, monthly interventional case records, journal club discussions and other academic activities.

Surgery [General Surgery]

- Dr. Sameer A Rege organised a 'Regional Refresher Course' of case presentations for undergraduate students, post graduate residents and post MS surgeons.
- Dr. Sameer A Rege underwent training in retroperitoneal adrenalectomy from Germany- an advanced minimally invasive surgery to offer better patient care
- Dr. Sameer A Rege organised the AMASI-fellowship course of 3 days for granting fellowship to post MS surgeons who aspire to get trained in minimal access surgery.
- Orientation of newly joined first year resident doctors of MS General Surgery course.
 - o Hands on workshop on Suturing, knotting, endotainers and anastomosis.
 - o Case presentations by Post graduate students.
 - o Lectures by prominent national faculties on various topics.
- Dr. Shilpa Rao brought in MUHS approved Breast Fellowship (2 seats) - First independent Fellowship in the Department of General Surgery, Seth GSMC & KEM Hospital.
- Dr. Shilpa Rao organised a National Conference "GENSURG 2019".

Surgical Gastroenterology

- Courses offered:
 - o DNB Surgical Gastroenterology
 - o One Year Fellowship in Minimal Access Surgery with intake of two students every year
 - o One Year Fellowship in HPB Surgery with intake of one student every year
 - o Conduct Quarterly Basic Laparoscopic Instructional Course for Surgeons from Periphery
 - o MUHS Fellowship in HPB and Liver Transplant Surgery with intake of 1 candidate annually
 - o Maharashtra Govt Sponsored One Fellowship for Rural Surgeons in GI Surgery
- Library: E Library with all relevant GI surgery books, online Journals and relevant GI Surgery text books.

Transfusion Medicine

- Telemedicine seminars are conducted along with SGPGI, Lucknow and SRMC Chennai.
- 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.
- Lectures are taken for second MBBS, BPMT, DMLT, OT and PT students and the nursing students from SNTD.
- CMLT students and students of Biotechnology from different Colleges come for observership.
- Department has well equipped library with the latest books and Journals on blood transfusion and Immunohematology.
- The Department conducts regular teaching programmes for MD Transfusion Medicine residents, like Case presentation, Seminars, Journal Clubs and Quiz Competition etc.

Urology

- Inter-departmental meetings and Teaching Program:
 - o 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.
 - o Video class with Professor Dr. Ganesh Gopalakrishnan, Ex. Professor, CMCH, Vellore. Case presentation & one topic are discussed through video calling (using Google Hangouts).
 - o Once a week 'Transplant meet' to discuss prospective and operated renal transplantation cases.
 - o Interdepartmental meeting with Nephrology on every Wednesday to discuss renal transplants and explained the procedure of renal Transplant to the patients and relative as required by the law.

- P.G. Teaching :
 - o Didactic lectures as per University program by faculty
 - o Discussion of thesis work weekly
 - o Discussion of research projects at regular intervals
 - o Clinical case discussion twice weekly
 - o UG and PG teaching through lecture series
- Conferences and workshop conducted:
 - o Workshop on 'RIRS with holmium laser' - February 2019
 - o CME on 'ESWL' - March 2019
 - o Urethroplasty MOCK Exam /workshop with Dr. G. Gopalkrishnan - March 2019
 - o Lap Uro Conference in collaboration with Sion Hospital - August 2019

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 storage Building, Ground Floor. Incharge – Dr. Indrani Chincholi, Professor & Head, Dept. of Anaesthesia, KEM Hospital. Honorary Consultants – Dr. Lakshmi Vas, Dr. Kailash Kothari.

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 2019 to Dec 15, 2019

Sr. No.	Name of Test Parameter	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total No. of Tests
1.	Blood Sugar	10916	8772	8277	8454	8866	7651	9028	8230	7544	7525	8547	5458	99268
2.	Sr. Creatinine	18714	16121	16885	15977	15673	14691	17809	17513	16493	16615	17637	9357	193485
3.	Blood Urea Nitrogen	18272	15812	16540	15598	15430	14371	17437	17205	16289	16438	17000	9136	189528
4.	Sr. Total Protein	13807	11159	15977	4410	9683	12027	14183	13542	12062	12054	13363	6903	139170
5.	Sr. Albumin	11820	8762	9856	4177	9445	11554	13415	12383	10567	10145	11888	5910	119922
6.	Sr. Alkaline Phosphatase	14429	12055	12011	6590	9520	10720	12773	12877	11610	12619	12941	7214	135359
7.	Sr. Aspartate Transaminase	17573	15308	8629	10502	13122	14229	16931	16861	15914	16054	17049	8764	170936
8.	Sr. Alanine Transaminase	17529	15334	15932	10498	13123	14217	16882	16864	15916	16061	16899	8764	178019
9.	Sr. Uric acid	6824	6294	6373	3396	5006	5959	6310	6338	6791	5635	6519	3412	68857

Sr. No.	Name of Test Parameter	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total No. of Tests
10.	Sr. Bilirubin (Direct & Indirect)	5628	4775	5013	4613	4585	1592	4377	4251	4078	3919	4162	2814	49807
11.	Sr. Electrolytes (Na ⁺ , K ⁺ & Cl ⁻)	16903	14741	15271	13854	11412	10122	11283	14684	15102	15287	16322	8451	163432
12.	Sr. Calcium	8595	7673	8534	4652	6509	7980	7502	6875	7638	6233	7008	4297	83496
13.	Sr. Phosphorus	6034	4790	2580	2537	4294	5296	5638	5071	5771	4661	5554	3017	55243

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 Analyzers
5. ONE Roche Electrolyte Analyzers
6. ONE AGD Electrolyte Analyzer
7. ONE Transasia ERBA Chem-7 Semiautoanalyzer

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 2019 to Dec 15, 2019

Sr. No.	Name of Test Parameter	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total No. of Tests
1.	Blood Sugar	13130	13005	11199	10821	11335	12826	15887	15716	15510	15293	12664	6260	153646
2.	Sr. Creatinine	12130	13084	11075	10774	11144	13006	15733	15377	15437	14648	11693	6250	150351
3.	Blood Urea Nitrogen	12130	13084	11075	10774	11144	13006	15733	15377	15437	14648	11693	6250	150351
4.	Sr. Aspartate Transaminase	2195	2193	3122	3414	3845	3460	3586	4089	3949	4512	3668	1669	39702
5.	Sr. Alanine Transaminase	2195	2193	3122	3414	3845	3460	3586	4089	3949	4512	3668	1669	39702
6.	Sr. Bilirubin (Direct & Indirect)	1593	1594	1608	1878	2573	2460	2111	2805	2276	2082	1850	943	23773
7.	Sr. Electrolytes (Na ⁺ , K ⁺ & Cl ⁻)	13269	13269	10935	10843	11009	12718	15887	15537	15227	14895	12275	6037	151901

- Collateral implementation of LIMS/HIMS for improvement of turnaround time and easy accessibility of patient data; To procure high throughput analysers for enhancing patient services.

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:

1. Sr. Total Cholesterol

2. Sr. Triglyceride
3. Sr. HDL Cholesterol
4. Sr. LDL Cholesterol
5. Sr. CK Total
6. Sr. CK-MB
7. Sr. and Fluid Amylase
8. Sr. and Fluid ADA
9. Sr. and Fluid LDH

- Number of tests done in CVTS Laboratory (Lab 315) from Jan 2019 to Dec 15, 2019

Sr. No.	Name of Test Parameter	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total No. of Tests
1.	Sr. Total Cholesterol	2551	2096	2184	2029	2021	1897	2158	2092	1935	1831	2046	901	23741
2.	Sr. Triglyceride	2551	2096	2184	2029	2021	1897	2158	2092	1935	1831	2046	901	23741
3.	Sr. HDL Cholesterol	993	968	1091	1071	1111	1009	1158	1175	995	1092	1310	557	12530
4.	Sr. LDL Cholesterol	993	968	1091	1071	1111	1009	1158	1175	995	1092	1310	557	12530
5.	Sr. CPK-Total	163	148	180	176	145	163	156	175	164	227	122	54	1873
6.	Sr. CK-MB	163	148	180	176	145	163	156	175	164	227	122	54	1873
7.	Sr./ Fluid Amylase	125	131	170	129	161	157	113	128	91	103	190	42	1540
8.	Sr./ Fluid ADA	255	253	286	266	285	276	241	260	237	211	253	90	2913
9.	Sr./ Fluid LDH	426	363	409	360	328	338	332	356	346	426	450	167	4301

Cardiac anesthesia

- Near infra-red spectroscopy Monitoring- Near infra-red spectroscopy for cerebral oximetry has been added in monitoring of on pump and off pump cardiac cases.
- McGrath video laryngoscope: Videolaryngoscope for paediatric and adult difficult airways.
- Video Double Lumen Tubes

Cardiology

- No. of Procedures done in **Siemens Cath Lab And Philips Cath Lab** from 1st January 2019 to 31th December 2019

Sr. No.	Types of Procedures	No. of Procedures
1.	Coronary Angiography	1352
2.	BMV	140
3.	BPV	25
4.	BAV	32
5.	ASD Device Closure	46
6.	VSR Device closure	4
7.	RSOV Device closure	8
8.	PDA Device Closure	75
9.	PCI with stent	750
10.	Rotablator	8
11.	Renal artery plasty with stening	5
12.	Electrophysiology Study and Radio Frequency Ablation	90
13.	PPI Implantation	180

Sr. No.	Types of Procedures	No. of Procedures
14.	Diagnostic Catheterization	66
15.	AICD implantation	10
16.	CRT implantation	6
17.	Coarctoplasty	10
18.	AP window device closure	3
19.	Total No. of procedures	29

From 1st January, 2019 to 31st December, 2019

- Total No. of patients admitted in ICCU : 1775
- Total No. of patient admitted in Wd. 32 : 2670
- Total no. of patients done : CST: 3100
- Total no. of patients done : 2D ECHO/CD: 10000
- ECG: EMS – 99,505, CVTC – 1, 04,529
- CVTC OPD : New : 45,200, Old : 55,200

Chest Medicine and Environmental Pollution research center

- Medical Thoracoscopy services were started by Department of Pulmonary Medicine & Environmental Pollution Research Centre (EPRC) with support from Cardiac Anaesthesia and Cardio Vascular Thoracic Surgery
- Departmental Profile: The Department of Pulmonary 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 of air pollution and respiratory morbidity. Remedial measures are suggested to protect lung health.
- The Department has a 5-bedded Intensive Care Unit, 3 bedded step-down care facility with a total of 30-bedded indoor facility. The department provides Bronchoscopy services, Polysomnography, Pulmonary function testing and Arterial Blood gas analysis services.
- Therapeutic Broncho alveolar Lavage for Pulmonary Alveolar Proteinosis under General Anaesthesia in collaboration with cardiac anaesthesia and cardiothoracic surgery.
- Foreign body removal in collaboration with ENT department
- Medical Thoracoscopy for undiagnosed Pleural Effusion.
- 212 Bedside Lung Ultra Sonographies performed.
- Peripheral Hospital Linkages: Honorary services are provided by Faculty to GTB Hospital along with DOTS PLUS Services & RNTCP OPD at KEM.
- Bedaquiline Conditional Access Programme: completion December 2019: Bedaquiline Conditional Access Programme was completed in December 2019. A total of 121 patients with drug resistant Tuberculosis were enrolled and treated under Programmatic Management of Drug Resistant Tuberculosis. KEM DPS site was entrusted to carry out CAP for BDQ. by Central TB Division, Government of India.
- Fitness OPD: The Department of Pulmonary Medicine & EPRC has started fitness OPD since January 2018 to reduce the time required for pre-operative pulmonary risk evaluation. In the year 2019, 1327 patients' risk evaluation for anesthesia was done by Specialty Medical Officers of the Department.
- 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 Pulmonary 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 1861 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.
- Bed Occupancy: IRCU:99.1% Ward:82.52%
- The Department of Pulmonary Medicine has outpatients Chest clinics on bi weekly basis. The total number of new patients seen were 7405, while total numbers of follow-up patients were 18259.

OPD Patients	New Patient	Follow up patient
2019	7405	18259

Pulmonary Function Tests 2019	
FV Loop	4089
DLCO	16
RV/TLC	5

Arterial blood gas laboratory: Total ABGs performed –52,866. The Bed Occupancy was 99.1% for IRCU and 82.52% for Ward 32.

Procedure	2019
Bronchoscopies	66
Bronchial washing	49
Diagnostic BAL	11
Whole Lung Lavage	2
Lobar Lung Lavage	2
Pleural tapping	84

- 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.
- Pulmonary 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. KEM DPS was part of BDQ CAP amongst few centers across India. All enrolled patients have finished Bedaquiline, they are being followed in DOTS PLUS OPD.
- 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 in 2019.

Bronchoscopy

- Bronchoscopy Suite: We have video bronchoscope 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 and diagnostic Lobar Lavage for 4 patient of Pulmonary Alveolar Proteinosis in 2019. (2 lobar, 2 whole lung lavage)
- New Services Added:
- Medical Pleuroscopy: New Video pleuroscope has been added to interventional bronchoscopy suite. First pleuroscopy with adhesiolysis was done on 18/12/19.
- Fitness OPD (Monday, Wednesday, Thursday) from 2018
- 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 212 ultrasonography were performed in 2019.
- Sleep Lab: 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 29 sleep studies have been done in 2019.

Diagnostic PSG Study	22
CPAP Titration	5
Split Night Study	2
Total	29

- New equipment/Furniture added:
 1. Medical Video Pleuroscope (Olympus)
 2. Adult Ventilator Drager
 3. ECG Machine
 4. ICU Bed Head Panel were added during IRCU renovation.

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 : 853
Total Surgeries : (Open – 567, Closed- 225, Emergency - 27)

Clinical Pharmacology

- Therapeutic Drug Monitoring OPD

Total Patients seen	1604
Follow-up patient seen	810
New patients seen	794

- Drug wise patients who reported to the OPD

Name of the drugs	Total number of patients
Valproate	764
Phenobarbitone	203
Phenytoin	390
Carbamazepine	200
Lamotrigine	47
Levetiracetam	410

- Malaria OPD

Total Number of Slides screened	4800
Total Positive	75
Total Number positive for <i>P.Vivax</i>	72
Total Number positive for <i>P.falciparum</i>	03
Total Number positive for mixed infections	00

- Lithium Data

Total number of patients	72
New patients	42
Old patients	30

- Pharmacogenetics OPD: Total number of patients seen: 158
- ADR Reporting: Total ADR reported: 710

Community Medicine

a. General OPD services:

Month	Male	Female	Total
December 18	3312	3864	7176
January 19	2786	2750	5536
February 19	2488	1847	4335
March 19	3557	1779	5336
April 19	3692	1441	5133
May 19	2306	2045	4351
June 19	2266	1949	4215
July 19	2369	2299	4668
August 19	1695	1510	3205
September 19	3013	2291	5304
October 19	2136	1944	4080
November 19	3572	3394	6966
Total	33192	27113	60305

- Morbidity:

Sr. No.		Male	Female	Total
1	Muscle skeleton	3626	3265	6891
2	Fever	4172	4048	8220
3	Headache	2411	2098	4509
4	ARI	3925	2827	6752
5	Chest pain	1854	1521	3375
6	AGE	760	642	1402
7	UTI	892	836	1728
8	Cough with Expect	603	481	1084
9	PS for MP	2683	1825	4508
10	Ref for Bl. Sugar	1682	1258	2940
11	Skin	985	875	1860
12	STI/RTI	11	5	16
13	ICTC referral	76	32	108
Total		23680	19713	43393

- Laboratory reports:

Investigation	No. of patients
Hb. – routine	7500
Blood group	-
ESR	3000
FBS/PLBS	3300
RBS	2940
Sputum for AFB Positive	
Sputum for AFB Negative	
Urine pregnancy test	0

b. **Immunisation OPD:** The national program for UIP is being implemented in our institute with following beneficiaries.

Vaccine beneficiaries:

Vaccine	Male	Female	Total
BCG	2937	2674	5611
OPV 0	2937	2674	5611
DPT 1, DPT2, DPT 3/ OPV1, OPV2, OPV3	1448	1091	2539
HBV 1, HBV 2, HBV 3	-	-	-
Measles Rubella	539	412	951
MMR	174	122	296
DPT / OPV B1	174	122	296
DT / OPV B2	130	94	224

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 2019.

• Universal Immunization Programme

Vaccination	Male		Female		Total
	< 1yr	> 1 yr	< 1yr	> 1 yr	
OPV 0	2937	0	2674	0	5611
BCG	2937	0	2674	0	5611
PENTA1 + OPV 1	637	0	453	0	1090
PENTA2+ OPV 2	434	0	340	0	774
PENTA3 + OPV 3	377	0	298	0	635
HBV-0	-	-	-	-	-
HBV1	-	-	-	-	-
HBV2	-	-	-	-	-
HBV3	-	-	-	-	-
MEASLES	539	0	412	0	951
BOOSTER1(DPT)	0	174	0	122	296
MMR	0	174	0	122	296
BOOSTER2(DT)	0	130	0	94	224
Inj.TT	-	-	-	-	-
Total	7861	478	685	1188	10212

Yellow Fever OPD

Sr. No.	Month	Total vaccine beneficiaries
1	March	26
2	April	163
3	May	111
4	June	68
5	July	60
6	August	65
7	September	72
8	October	75
9	November	63

Total Beneficiaries- March to November 2019- 703

C. Naigaon Geriatric OPD:

- General OPD (Geriatric Clinic) on every Wednesday & Friday. In the year 2019 till date, 2508 patients were examined in the Geriatric OPD at Naigaon.

Total patients

Months	Old	New	Male	Female	Total
Dec-18	140	10	77	73	150
Jan-19	151	24	74	109	183

Months	Old	New	Male	Female	Total
Feb-19	185	23	88	110	208
Mar-19	267	17	131	153	284
Apr-19	171	8	86	93	179
May-19	234	4	109	129	238
Jun-19	200	11	97	114	211
Jul-19	196	14	96	114	210
Aug-19	196	10	94	112	206
Sep-19	193	8	108	93	201
Oct-19	198	6	99	105	201
Nov-19	237	0	100	137	237
Total	2368	135	1159	1342	2508

Activities of Naigaon Geriatric Centre: World Health Day 2019

Theme- "Universal Health Coverage- Everyone Everywhere"

24th April 2019 Kamgar Kalyan Kendra Naigaon

Aim- Promoting the full and equal accessibility to all services available for older persons.

Objectives

- Create awareness of health schemes available for geriatric population.
- Promote utilization of the health facilities and schemes for geriatric population.

Programme Schedule

Time	Topic	Resource Person
10.00-10.10 am	Welcome address	Dr.Amit Bhondve Asst. Professor Community Medicine
10.10am-10.20am	Inauguration of the Programme	Dr. RujutaHadaye Professor InchargeNaigon Community Medicine
10.20am-10:30 am	Introduction to the theme of World Health Day	Dr.RujutaHadaye Professor In charge Naigoan Community Medicine
10.30am -11.00 am	Overview of MJPJY SCHEME	Dr. Abhimanyu Kotwal Regional Manager Konkan Region MJPJY
11:00am-11:15 am	Exhibition of Posters related to MJPJY	
11:15 am-11.20 am	Vote of Thanks	Dr.Saurabha U S, Senior Resident Community Medicine
11.20am-11:30 am	Snacks	

More than 60 geriatric beneficiaries and more than 20 other beneficiaries attended the program.

Geriatric OPD Naigaon Health Centre: Special activities:

- 09.01.2019 Meeting with Geriatric Self-Help groups: Meeting with Members and officials of 5 Jyeshtha Nagrik Seva Sanghs in Naigaon. More than 60 geriatric association members attended the program and agreed to register at Naigaon geriatric centre.
- 27.02.2019: Health Check Up Anganwadi Children
Health Check-up Camp organised. 35 Beneficiaries, Co-ordinated by Dr. Bhondve & Mr. Jawlekar, Health Talk on Nutrition and Hygiene given by Dr.Amit Bhondve.
- 29/3/19: ALA UNHALA TABYAT SMBAHLA: Health talk on protection from summer related illnesses.45 Beneficiaries.
Health talk given by: Dr. Bhondve, Dr.Saurabha US: SMO& Mr. Jawlekar, Interaction with beneficiaries and advice on protection from heat stroke and other summer related illness was given to the patients.
- 24/04/19: WHO day programme
60 Beneficiaries: Beneficiaries are patients at NaigaonKamgarKalyan Mandal.
Introduction & Awareness of Mahatma Phule Jan Arogya Yojna given by Dr. Abhimanyu District Manager Mumbai Districts MJPJY, Interaction with audience & Poster presentation by Mr. Jawlekar& RMOs.

- 28/08/19: Vector Borne Diseases Awareness program
45 Beneficiaries: Beneficiaries are patients and their relatives at NaigaonKamgarKalyan Mandal, Introduction & Awareness of Dengue given by Dr.Amit Bhondve.
Interaction with audience & Poster presentation by Mr. Jawalekar& RMOs
- 07/09/19 :Health Check Up Anganwadi Children :Health Check-up Camp organised.
35 eneficiaries. Co-ordinated by Dr. Bhondve & Mr. Jawlekar. Health Talk on Nutrition and Hygine given by Dr.Amit Bhondve.
- 06/11/19 : Blood Sugar Check Up Camp, 13 Beneficiaries
Health talk given by: Dr. Rukman SMO, Dr. Abhishek And Dr. Chetan & Mr. Jawlekar, Interaction with beneficiaries and nutritional advice was given to the patients. Newly Detected diabetics were counselled were started on treatment.

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 2018 to *24th Nov 2019												
Month	Fever	AGE	Lepto	Dengue		Malaria			Hepatitis		Enteric Fever	H1 N1
				ELISA	Rapid	P. Vivax	P. Falci.	Mixed	A	E		
Dec	97	20	1	8	6	6	0	0	0	1	0	0
Jan	76	23	2	2	2	3	0	0	0	0	0	0
Feb	124	13	4	1	0	1	0	0	0	0	0	3
Mar	165	14	5	3	0	7	2	0	0	1	0	4
April	93	18	3	2	0	8	0	0	0	0	2	5
May	53	26	4	8	4	12	1	1	0	3	0	3
June	157	40	4	12	3	12	0	1	1	10	4	4
July	189	42	44	44	4	17	1	3	0	3	0	7
Aug	286	28	41	103	15	43	1	2	2	2	1	2
Sep	287	13	44	93	43	27	6	1	0	0	0	0
Oct	222	14	14	134	60	22	1	1	1	0	0	0
Nov	168	5	8	53	17	7	0	0	1	0	2	0
Total	1917	256	174	463	154	165	12	9	5	20	9	28

The total cases (disease under surveillance) admitted in KEM Hospital this year were 3212.

• IDSP Data

Data	Patients Screened		Patient found Positive on Lab investigations	Patients received treatment at MUHC
	Adults	Children		
Tuberculosis suspects	1327	158	152	152
Malaria suspects	2700	435	P. vivax	16
			P. falciparum	0
AGE	52	191	-	243

Services provided	Male	Female	TS/TG	Total
ICTC Services:				
Pre Test Counseling done	704	1676	197	2577
Test Conducted	704	1676	197	2577
HIV Positive	12	14	2	28
HIV Negative	692	1662	195	2549
STI OPD Services:				
No. of patients who visited STI OPD	834	1585	19	2438
No. of patients counseled	834	1585	19	2438
No. of condoms provided	04	2317	0	2321

Services provided	Male	Female	TS/TG	Total
No. of RPR/VDRL tests conducted	1028	1825	17	2870
No. of pts found reactive titre > 1.8	202	233	05	440
No. of partner notification undertaken	01	446	0	447
No. of partners managed	01	361	60	422
No. of patients referred to ICTC	127	695	0	822
No. of patients referred found HIV infected (of above)	0	01	0	01

- National AIDS Control Program & STI Program

E. Malvani Urban Health Centre, Malad (W): GENERAL OPD

	Children		Adult	Total
	0-5 Years	6- 12 Years		
Male	5194	3169	16296	24659
Female	4888	2988	14202	22078
Total	10082	6157	30498	46737

- Special OPDs

OPD	No. of Patients
Skin OPD	10210
Chronic OPD	2669
INH OPD	151
Well Baby Clinic	57
Psychiatry OPD	1983

- Chronic OPD (Patient visits)

Disease	Male	Female	Total
Hypertension	236	944	1180
Diabetes mellitus	80	240	320
Bronchial asthma	11	10	21
HT with DM	202	805	1007
IHD	18	85	103
HTN with IHD	8	11	19
HTN with DM	3	7	10
Epilepsy	4	2	6
Others	2	1	3
Total	564	2105	2669

*New Chronic OPD patient registration- HTN= 19; DM & HTN= 10; DM= 07

- Nutritional assessment of children (Paediatric OPD)

	Normal	Grade I	Grade II	Grade III	Total
M	6588	373	127	18	7106
F	3295	275	1260	592	5422
Total	9883	648	1387	610	12528

- Nutritional assessment of children (WELL BABY CLINIC)

	Normal	MAM	SAM	Total
New cases	12	6	4	22
Old cases	18	10	7	35
Total	30	16	11	57

- Revised National Tuberculosis Control Program (RNTCP)

CAT I		CAT II		MDR				Total Patients		
New		Prog		New		Prog				
M	F	M	F	M	F	M	F			
136	170	-	-	4	8	14	28	-	-	360

CAT I		CAT II		MDR				Total Patients		
New		Prog		Prog		New			Prog	
M	F	M	F	M	F	M	F		M	F
*No. of children started on INH prophylaxis started in RNTCP OPD = 151										
**Total Injections given : Streptomycin = 85, Kanamycin = 623										

HIV-TB Co-ordination:

Data	HIV positive	HIV negative	Total
Referral of suspected TB cases from ICTC to RNTCP	21	248	269
Referral of Diagnosed TB patients from RNTCP to ICTC	12	240	252
Referral from ICTC to STI	25	1604	1629

Link ART Details

Total beneficiaries on ART	102
Linked in to LART Centre	03
Compliance to ART	95%

Investigation done	No.
Hb. – routine	72
FBS/PLBS	201/201
Sputum for AFB Positive	152
Sputum for AFB Negative	1333
Urine pregnancy test	11

- Laboratory Report
- Medical Social Worker

OPD	Patients counselled
General OPD	317
Paediatric OPD	1022
Chronic OPD	421
Well Baby Clinic	77
INH OPD	63
*No. of patients referred to higher centers = 60	
*No. of community Visits planned for Students = 12	

- ECG Services

Male	11
Female	30
Total	41

- Special Activities:

Date	Activity	Total Beneficiaries
25/02/2019	Visit to Sanmitra Trust NGO	20
13/03/2019	World TB Day celebration in Malvani with RNTCP staff and RMOs	60
14/03/2019	Rally organized on World TB Day	80
26/03/2019	SNEHA NGO organized program for women on nutrition	50
08/04/2019	Women Counselling center	10
10/04/2019	WHO day celebration with Rotary club Bombay	50
11 - 24/04/2019	Awareness session on road safety precaution and first aid conducted for middle school children	275
16/04/2019	STI RTI screening camp in Ambhujwadi	47
23/04/2019	Session on activities of SNEHA NGO in Malvani area in the field of domestic violence, women and child nutrition	20
03/05/2019	Adolescent girl Initiative from ICDS Under SABLA, UHTC Malvani	30
24/05/2019	Orientation of Malvani UHTC was given to para-professional student from Nirmala Niketan by CDO	15
28/05/2019	Visit to NGO AsthaParivar	12

Date	Activity	Total Beneficiaries
10/06/2019	Meeting with the MDR patients and discussion on adherence of treatment of MDR drugs	22
27/09/2019	Orientation about Malvani Urban Health center.	08
18/10/2019	Bhoomi park CBNAAT testing center visit.	09
11/11/2019	Inauguration of "AapliChikitsa Scheme" in Malvani UHTC	25
13/11/2019	Sexually transmitted Infections/Reproductive Tract Infection screening camp in Ambhujawadi.	40

- **New Initiatives at Urban Health Centre, Malvani:** Inauguration of Linked ART Centre: The new Linked ART Centre was started on 03/12/2018, in collaboration with MDACS. The new Linked ART centre provides ART services for the HIV positive patients. The total no. of HIV patients, currently receiving treatment from the Linked ART centre is 102.

Dermatology, Venerology and leprosy

- No of OPD patients per day- 275/day
- No of biopsies done per day- 6/day
- No of IPD patients per week- 14/week
- No of procedures per week- 78/week
- 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.
- Inclusion of Biological like Rituximab injection under MJJPJAY thereby benefitting more number of patients with vesiculobullous disorders.

Dentistry

- Total OPD patients - 12144
- Procedures done:
- Extractions - 1856
- Root canals – 75
- Restorative work (fillings) – 216
- FPDs – 68
- Dental Arch bar Wiring – 38
- Major and minor surgeries – 243

Endocrinology

2.1 Quantum of Patient Care

A. Indoor admission: 591(01 January 2019 to 30 November 2019)

Month	Male	Female	M/C	F/C	Total
January	26	24	7	4	61
February	22	15	8	5	50
March	28	19	7	2	56
April	27	22	6	4	59
May	39	20	8	4	71
June	26	13	6	10	55
July	25	19	5	4	53
August	34	21	6	2	63

Month	Male	Female	M/C	F/C	Total
September	35	19	10	1	27
October	21	15	4	3	43
November	27	18	5	3	53
December					
Total	310	205	72	42	591

B. Outdoor patient: 59298(01 January 2019 to 30 November 2019)

Diseases	New Patients	Old Patients	Total Patients
Diabetes	6341	31444	37,785
Thyroid	5871	10339	16,210
Puberty and Growth Clinic	1748	3555	5,303
Total	13,960	45,338	59,298

Out Door Patient new-

Diabetes New-

Month	Male	Female	M/C	F/C	Total
January	263	345	Nil	4	612
February	284	350	6	7	647
March	315	356	Nil	1	605
April	297	305	3	3	608
May	233	241	0	4	478
June	263	293	1	2	559
July	294	335	3	1	633
August	280	307	3	2	592
September	204	247	1	4	456
October	207	263	3	3	476
November	299	373	2	1	675
Total	2939	3415	22	32	6341

Thyroid New-

Month	Male	Female	M/C	F/C	Total
January	71	519	4	7	601
February	63	412	2	4	481
March	82	511	8	4	605
April	73	433	3	3	512
May	67	427	3	6	503
June	99	407	7	7	520
July	73	454	4	1	532
August	80	420	10	6	516
Sep	56	403	8	3	470
October	97	425	4	2	528
November	69	524	5	5	603
Total	830	4935	58	48	5871

Puberty & Growth New-

Month	Male	Female	M/C	F/C	Total
January	56	60	13	14	143
February	52	60	16	14	142
March	49	79	16	8	152
April	51	58	16	10	135
May	59	73	13	11	156
June	61	62	11	10	144
July	54	76	9	6	145

Month	Male	Female	M/C	F/C	Total
August	70	68	14	11	163
September	52	75	18	9	154
October	70	83	11	13	177
November	86	116	19	16	237
Total	660	810	156	122	1748

Diabetes Old-

Month	Male	Female	M/C	F/C	Total
January	1581	1642	6	12	3241
February	1337	1481	7	6	2831
March	1547	1817	5	7	3376
April	1475	1697	2	2	3176
May	1163	1288	2	7	2460
June	1266	1226	4	8	2504
July	1430	1616	2	7	3044
August	1409	1536	9	12	2966
September	1211	1252	2	5	2470
October	14	1337	4	4	2486
November	1403	1475	3	9	2890
Total	13836	16367	46	79	31444

Thyroid Old-

Month	Male	Female	M/C	F/C	Total
January	128	931	3	3	1065
February	123	814	2	Nil	939
March	107	961	13	4	1085
April	133	785	3	7	928
May	87	769	3	3	862
June	106	717	14	3	840
July	123	899	3	0	1025
August	114	872	5	2	993
September	113	681	15	5	814
October	93	692	6	6	797
November	107	869	8	7	991
Total	1234	8990	75	40	10339

Puberty & Growth Old-

Month	Male	Female	M/C	F/C	Total
January	79	127	15	26	247
February	119	125	16	23	283
March	127	181	16	16	340
April	124	140	30	33	327
May	161	194	41	28	424
June	99	135	17	35	286
July	105	135	16	23	279
August	129	153	15	19	316
September	138	139	19	19	315
October	124	166	12	16	318
November	166	192	26	36	420
Total	1371	1687	223	274	3555

Hormone Assay Workload from Jan 2019 to Nov 2019:

Sr. No	Test	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
1	FBS	954	668	753	924	777	791	1310	1047	1060	893	885	
	HbA1c	2240	1578	1656	841	1214	1316	1718	1244	1527	1671	1695	
2	T3	202	502	773	881	585	750	1043	862	890	849	842	
3	T4	1678	432	797	890	612	981	1290	882	996	852	859	
4	TSH	1856	1263	1873	2195	1487	2586	2645	2271	1981	1981	2246	
5	AMA	272	98	179	210	118	281	365	101	124	168	248	
6	FSH	190	87	112	138	124	157	265	157	154	127	193	
7	LH	161	107	113	135	125	148	240	186	154	100	196	
8	PRL	159	82	96	120	126	138	109	0	2	108	145	
9	Testo	220	77	95	101	104	275	179	103	88	108	148	
10	Cortisol	170	72	158	155	123	156	240	158	154	160	282	
11	PTH	190	198	248	256	203	275	183	133	185	280	318	
12	ACTH	33	1	0	1	16	12	14	0	7	0	6	
13	IGF1	18	20	32	45	144	40	81	45	7	27	31	
14	HGH	53	20	18	60	33	25	70	33	12	21	13	
15	FT3	200	58	82	95	80	100	193	134	101	127	158	
16	FT4	246	100	158	202	157	189	194	140	65	120	208	
	Total	8842	5363	7143	7249	6028	8220	10139	7496	7507	7592	8473	

2.2 Overall highlight of patient care services (numbers of each service)

All services are carried at OPD No. 103, 1st floor, OPD building, Seth GSMC and KEM Hospital, Parel, Mumbai. EXT: 7491

Monday: Diabetes OPD-discussion in OPD
Reassessment of old diabetes patients

Tuesday: Diabetes OPD-Clinical Discussion in OPD
Thyroid Clinic

Wednesday: Ward Round-Presentation and Discussion of Ward Cases

Thursday: Puberty and Growth OPD, Oncology OPD

Friday: Puberty and Growth OPD
Diabetes Clinic – New Cases
Thyroid Clinic

Saturday: Diabetes Clinic

(Gestational diabetes cases seen on all days)

- Pituitary meet: 1st Wednesday of every month: Here challenging cases are discussed with
 - o Neurosurgeons, Endocrinologist, Radiation Oncologist, Radiologist, and Neuropathologist
 - o for patient care improvement.
- Thyroid meet / Histopathology meeting: 2nd Wednesday of every month: Here challenging
 - o cases are discussed with Endocrinologist, Radiologist, and pathologist for patient care improvement.
- Adrenal meeting: 3rd Thursday of every month : Case based discussion between urosurgery,
 - o generalsurgery,radiology, pathology, nuclear medicine physician and Endocrinology.
- Inter-college mumbai Endocrine group meeting: 3rd Wednesday of every month: Interesting
 - o case discussion.
- Webinar with CMC Vellore Endocrinology: Last Tuesday of every month; Interesting case
 - o discussion.
- Webinar with Michigan university endocrinology, USA: Once in every 2 month Interesting
 - o case discussion
- DSD meet: Second Wednesday of every month with pediatric surgeon
- Head face neck Meeting: once in 2 months on 3rd Wednesday
- Pancreatic neuroendocrine tumor Meeting: once in 2 months on 3rd Wednesday
- Plastic surgery meet: First Monday of every month for surgical management of DSD patients

2.3 New services added with numbers - Nil

2.4 New facilities provided - Nil ENT

New facilities provided

- 3D Endoscopy system
- Narrow Band Imaging
- Lumenis CO2 LASER
- Neuronavigation
- Stroboscopy
- Total inpatients admission – 2022
- Total surgical procedures – 2496

Total New out patients –49042

Forensic Medicine

Overall highlight of patient care services

- Estimation of age of 51 persons (till date) including sportsperson & others status. Consultation to surgery & medicine wards regarding the injury certificates in admitted cases.
- Expert opinions given on different Antemortem Cases Like: Sexual Assaults, Violent Asphyxias, Poisoning Cases,
- Forensic Odontology Expert Opinion given on cases of Sexual Assault, identification of unknown & Age assessment.

New services/facilities added

- 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.

Total Ante-mortem cases -390 (till date)

Gastroenterology

- The Gastroenterology OPD is conducted 4 times a week on Monday, Tuesday, Wednesday, Friday Special care Liver.

O.P.D Patients	
New patients	7320
Follow up patients	15227
Indoor patients	
Admitted to Gastroenterology ward (32A and 41)	1510
Referred patient (Indoor)	
Procedures	
Diagnostics	
Upper GI scopy	7100
Colonoscopy	2528
ERCP	850
Proctoscopy	1300
Liver Biopsy	96
EUS procedures	310
Therapeutic Procedures	
Oesophageal variceal sclerotherapy	105
Oesophageal variceal band / loop ligation	1300
Endoscopic clipping for bleeding lesions/polyps	63
Oesophageal dilatations	268
Oesophageal prosthesis placement	8
Gadstric varices with glue	154
Bleeding ulcer injection	318

O.P.D Patients	
EUS Therapeutic biopsy	105
POEM	0
Argon plasma Coagulation	78
Endoscopic biliary sphincterotomy	610
Endoscopic pancreatic sphincterotomy and drainage	68
Pancreatic cyst drainage	13
Polypectomy	74
Foreign body removal	118
Percutaneous endoscopic gastrostomy	18
Rectal stricture dilatation	36

Special procedures:

- Endoscopies in children are done under general anesthesia: 263
- Special Investigations
- Oesophageal manometry was done in 119 patients.
- Anorectal manometry: 149
- ANtrooduodenal- 0
- Ph metry-10
- HBT- 21
- Timed barium swallow- 38
- Thromboelastogram- 10
- Special services for patients : 24 hr emergency services, especially for patients with GI bleeds, pancreatitis, cholangitis, and liver disease complications.

General Surgery

- Successful Management of Mass casualties and successfully sending bad head injury patient home walking
- Dr. Varsha Kulkarni:- SICU management. Laparoscopy, trauma, breast.
- Dr Abhay Dalvi:- 1) Started Retroperitoneal Adrenal Surgery with Prof. Sameer Rege 2) Largest series of laparoscopic adrenalectomy in India. Visited Kliniken Essen-Mitte, Essen, Germany and learnt retro-peritoneal adrenalectomy under Prof. Martin Walz.
- From patient & community care point of view support group activities on Tuesday
- Transtuzumab & chemotherapy financial aids for breast cancer patients.
- Free Dental Health, Skin Health and Mental Health checkups and activities.
- Cancer Survivor Workshop attended by Cancer Patients all over Maharashtra.

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 – 13500 patients on an outpatient basis and about 1000 – 2000 in hospital patients. This year we have seen around 25000 patients in OPD basis and 13360 patients in day care along with 1177 in patients.
- The Department of Hematology runs an outpatient clinic three times a week on Mondays and Thursdays from 9.30 to 1.30 and on Wednesday on 11 th floor from 9.30 to 12.30 for follow up of CML and Aplastic anemia patients. During this period new patients are examined and investigated. Follow-up investigations of the old patients are also done. Patients 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 an emergency service for bleeding disorder and hematological malignancies patients.

Hematology day care Centre

- New Hematology day care has been renovated on the 11th floor new multistory building. Centre has been developed with the funding from the Natco trust. They have spent for the renovation, furniture and staff in the day care.
- The department runs a day care for patients to be given treatment on a day care basis.

- 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 - 25 [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

Day Care: Hematology day care has been started on 11 th floor since 2.5 yrs

The department runs a day care, for patients to be given treatment on a day care basis.

This includes patients of: Thalassemia 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, oral, I, V, & Intrathecal. Other hematological disorders

Number of patients treated in Day care

Year of 2019		
Month	Admission	death
January	72	3
February	72	6
March	60	2
April	72	1
May	60	1
June	72	4
July	54	2
August	66	4
September	60	1
October	78	2
November	66	1
Dec till date	11	0
Total	743	27

Number of OPD patients

Month	No. of Patients
January	1642
February	1641
March	1657
April	1818
May	1128
June	1366
July	1435
August	1637
September	1413
October	1137

Month	No. of Patients
November	1447
Dec till date	510
Total	16831

Number of OPD patients	New patients	Old patients	Total
January	373	994	1367
February	337	884	1221
March	322	838	1160
April	370	918	1288
May	372	852	1224
June	348	857	1205
July	369	793	1162
August	357	794	1151
September	357	928	1285
October	293	820	1113
November	359	825	1184
Total	3857	9503	13360

Name of the Investigations in the dept. of Hematology Laboratory (10th floor)

Various Tests such as Hemogram, Bone Marrow aspiration, Biopsies, Hemolytic-Workup, Haemostatic Work up and Iron studies are done.

Laboratory information: 2019

Dr. J. C. Patel Hematology Department, K.E.M Hospital, Parel, Mumbai - 400012.

The Hematology Laboratory is situated on the 10th Floor, Multistory Building. 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 2019 is as follows:

Month	HB	Retic	TC/DC	ESR	Plt.C	BMA
January	1521	390	1521	10	1521	109
February	1411	390	1411	00	1411	104
March	1384	409	1384	05	1384	74
April	1071	413	1071	05	1071	103
May	1318	195	1318	04	1318	74
June	1227	194	1227	02	1227	85
July	1340	230	1340	03	1340	114
August	1377	260	1377	10	1377	100
September	1379	369	1379	04	1379	78
October	1443	388	1443	04	1443	125
November	1548	421	1548	05	1548	120
Total	15019	3659	15019	52	15019	1086

Month	PT	APTT
January	105	69
February to Sept Machine Not working.		
August Received donation machine Fully automated coagulometer		
September	64	49
October	64	51
Total	233	169

Medicine

- Fever OPD : Conducted in the Monsoon Season to cater to Febrile Illness patients in 2 shifts, Morning and Night with Prompt Investigation Back up. Total patients from June 2019 till October 2019 : 9500
- MICU: 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:

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

Number of patients on ventilator approximately- 450.

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

- Plasmapheresis: To patients of Gullian Bare Syndrome, Myasthenia Gravis, TTP, Polymyositis, both MICU patients & Medical ward patients with help of plasmapheresis pump 1- 2 per month.
- Renal replacement therapy is given by following:
 - o CAVH, CVVHDF on CRRT machine available in MICU.
 - o 2Decho done by portable, USG + Echo machine on MICU patients: 332.
 - o Bronchoscopy: Therapeutic, Diagnostic bronchoscope and fiberoptic bronchoscope
 - o Percutaneous tracheostomy: total 5

New facilities provided:

- o Interactive MICU daily rounds with faculty from microbiology department including Assist Prof. Senior resident.
- o This helps analyze infection patterns, identify culprit organisms and their resistant pattern.
- o Interactive rounds with faculty of physiotherapy department especially for proper Chest PT, Respiratory muscle, strengthening exercises.
- o 10 Multipara Monitors & 2 USG & 2D Echo Machine for Critically ill patients.
- 1 ECG machine and 2 Defibrillator procured for patient care
- Ems Intensive care unit having 15 beds and ventilators, 8 multipara monitors managing emergency cases like myocardial infarction, GBS, tropical illnesses, poisoning, needing monitoring and ventilator treatment.
- Dr.Shraddha More : Rheumatology Saturday OPD CVTC, HIV THursday OPD DACEP panelist

Critical care EMS ICU Consultant General Medicine.

- o Dr Smrati Tiwari : HIV patients, Routine medicine patients

Patient Care Data:

- o Dr. MYN Unit IPD patients -2710
- o Dr. AGR Unit IPD patients- 2868
- o Dr. RNS Unit IPD patients- 4480
- o Dr. SBS Unit IPD patients – 4320
- o Dr. AKS Unit IPD patients-4405
- o Dr. KSJ Unit IPD patients-4220
- o Dr. MSV UNIT: IPD Patients - 4520

MICU:

- Total admissions in MICU: 616 till Dec.2019
- Total Deaths - 170 till Dec 2019
- Total OPD Patients -
- Old :31200
- New :14200
- HIV patients -650
- Rheumatic patients-new patients-2900, Follow up patients -10000
- Additional New rheumatology OPD has been started since Aug 2017 at new building 1 st floor, on Tuesday 8.30 to 12.30
- Hypertension OPD : New cases- 880, Follow-up cases – 6650 (Total patients - 7530)
- Geriatric patients –290, IDSP OPD: 750

Microbiology

- MGIT 960 (TB culture DST) has been installed and will be available for patient care once certified by Central TB Division. In 2019, the department successfully cleared the desk top surveillance for continuation of NABL accreditation as per ISO 15189:2012 for all the tests carried out in its divisions
- 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 has been identified as a medical college Viral Reference Diagnostic Laboratory (VRDL) by Department of Health Research, MoHFW, Govt. of India. Establishment of this facility is in process.

Patient care

Clinical microbiology diagnostic 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 in 2019 is as follows:

Section	Workload
Bacteriology including Emergency laboratory	
• Samples processed	80602
• Antibiotic susceptibility tests	50420
• BACTEC	1300
• Vitek rapid ID and ABS	730
Total	133052
Virology	
• HIV serology	48368
• HBV serology	41945
• HCV serology	39298
• RPR	4194
• CD4 count	8331
• Viral Load (HIV)	2944
• Viral Load (HBV)	46
Total	145126
Serology including Emergency laboratory	
• Leptospirosis	42651
• Dengue	72153
• Widal	2437
• Others	6546
Total	123787
Mycobacteriology	
• Microscopy – LED fluorescence (pulmonary)	8858
• Microscopy – LED fluorescence (extra-pulmonary)	1823
• GeneXpert	11905
Total	22586
Mycology	4856
Parasitology	
• Stool examination (routine)	9387
• Stool for opportunistic parasites	64
• Malaria Antigen Test (including emergency lab)	25561
Total	35012

Neonatology

- Initiation of Universal Newborn Metabolic Screening program.

Nephrology

- Clinical care- Nephrology Department provides indoor, outdoor and emergency services for patients suffering from renal diseases. Facilities available are clinical nephrology, dialysis and kidney transplantation. Laboratory services are also offered.
- Only centre to perform 24 x 7/365 days emergency haemodialysis, also provides the service to HIV/HbsAg/HCV positive patients.
- Successful functioning of various sub-speciality clinics along with establishment of a new special OPD- Tubulopathy clinic once a month
- Expanding services of the Intervention Nephrology Division of the department of Nephrology to include
- 15 Live related renal transplants and 2 deceased donor renal transplants in 2019
- ICU dialysis facility started for critically ill patients in MICU (Medical Intensive Care Unit)

- ABPM (Ambulatory Blood Pressure Monitoring) services started for patients with hypertension
- Palliative care services in Dialysis Clinic started in collaboration with TATA Trust from September 2019
- Number of consultations handled- 10346
- Number of new OPD patients seen- 1506
- Number of inpatients- 1076

Expansion of laboratory services

New state of the art laboratory equipment acquired for laboratory work-

- 1 Olympus binocular microscope, 4 centrifuge machines (R23, RHC)
- CBC Analyser, Randox Analyser (Biochemistry), Fully automated Integrated Urine Analyser (In process)
- Annual Workload Record 2019 [Date: From: 01/01/2019, Date To: 11/30/2019]

	Total R Urine	24HP	24 U CR	Spot U CR	Total CR	PH	Urine C/S	PCM
Jan	1629	1022	29	47	76	11	394	22
Feb	1467	895	19	55	74	12	419	18
Mar	1512	857	25	60	85	13	293	32
April	1407	850	19	40	59	21	414	28
May	1550	891	12	48	61	3	508	34
Jun	1563	923	33	51	84	9	398	36
Jul	1541	931	22	49	71	11	370	28
Aug	1577	958	25	54	79	15	401	18
Sep	1589	967	29	55	84	19	447	18
Oct	1368	791	23	49	68	5	215	24
Nov	1537	831	16	49	65	5	261	18
Dec	1337	727	26	69	95	16	247	32
Total	18077	10643	278	626	901	140	4367	308

	Total R Urine	Stool	CBC	HBSAG	U OSMO	S OSMO	U ELCTR	S ELCTR	R CHEM	PD Fluid
Jan	1629	5	1848	63	58	56	66	114	1866	0
Feb	1467	7	1784	68	39	44	61	76	1796	0
Mar	1512	4	1790	44	25	25	31	24	1799	0
April	1407	6	1696	38	20	22	25	23	1893	0
May	1550	3	1915	27	23	20	19	23	2119	0
Jun	1563	4	1550	44	35	33	40	53	2264	0
Jul	1541	6	1849	44	40	38	45	63	2171	0
Aug	1577	4	1429	42	33	38	48	51	1934	0
Sep	1589	5	1576	58	44	46	57	84	1938	0
Oct	1368	2	1600	0	21	18	25	18	1626	0
Nov	1537	6	1715	0	33	23	38	24	1860	0
Dec	1337	0	1471	0	26	20	57	9	1528	0
Total	18077	52	20223	428	397	383	512	562	22794	0

Test	NOL	STAT	ONL	REP	STD	CRL	BLK	ISECB	IECL	RBLK	TOTAL
Sample	21512	6	0	0	76	786	0	86	276	52	22794
Total	791523	19	0	0	342	9165	0	86	276	68	801479
ALB	16977	0	0	0	8	555	0	0	0	2	17542
ALPDEA	2768	0	0	0	24	565	0	0	0	0	3357
ALT	14884	0	0	0	20	562	0	0	0	0	15466
AST	14797	0	0	0	20	565	0	0	0	0	15382
CALIS	16412	0	0	0	52	726	0	0	0	26	17216
CREAT	19995	4	0	0	48	733	0	0	0	12	20792
DBILR	522	0	0	0	10	338	0	0	0	0	870
DUMMY	599246	0	0	0	0	0	0	0	0	0	599246

Test	NOL	STAT	ONL	REP	STD	CRL	BLK	ISECB	IECL	RBLK	TOTAL
GLU-F	515	0	0	0	24	563	0	0	0	6	1108
GLU-PL	472	1	0	0	16	22	0	0	0	0	511
ISE-Calib	0	0	0	0	0	0	0	86	0	0	86
ISE Clean	0	0	0	0	0	0	0	0	276	0	276
ISE-Cl	19381	3	0	0	0	546	0	0	0	0	19930
ISE-K	19381	3	0	0	0	546	0	0	0	0	19930
ISE-Na	19381	3	0	0	0	546	0	0	0	0	19930
PHOS	16301	0	0	0	44	567	0	0	0	11	16923
TBILR	520	0	0	0	12	339	0	0	0	0	871
TP1S	1713	0	0	0	12	557	0	0	0	3	2285
UA	8755	0	0	0	4	550	0	0	0	1	9310
UP	328	3	0	0	20	160	0	0	0	0	511
UREA	19175	2	0	0	28	725	0	0	0	7	19937

Services of AKD dietician-

- Daily rounds in the AKD wards namely:
- Dialysis unit- rounds are taken twice a day during working hours (morning and evening)
- Ward 34A- Comprises of pre and post renal 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 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.
- Advice diet to OPD patients held thrice a week
- Average number of patients seen per day: 30-35

Neurosurgery

- The department is a referral centre for neurosurgical patients from through-out western India and also from other parts of the country.
- The highlight of management is that there is no waiting list for surgery. All patients needing surgery are operated within 2 days of admission. All the technological equipment necessary to perform any kind of complex neurosurgery procedure is available in the department. Specialization in sub-divisions of neurosurgery is encouraged.
- Approximately 2000 operations are done by the departmental staff. Of these there are 450 operations done for head trauma in the general surgery operation theatre by the neurosurgical staff. 1800 surgeries were performed in the neurosurgery operation theatre. (check numbers)
- Video EEG and neuropsychological assessment is 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.

Neurology

(II) Epilepsy Surgery: Surgeries conducted in 2019.

- ECOG Guided (ECOG) - 21
 - Non Ecog Guided (Non –ECOG) - 1
2. 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.
 3. Neuropsychology -180 psychological evaluations for Epilepsy Surgery and other neurological conditions including evaluations for fitness.

OPD Services

- Pre-operative & post-surgery counselling and guidance for Epilepsy patient.
- Neurology New – 7112 patients per year

- Neurology Old – 10,796 patients per year
- Epilepsy New – 1997 patients in the year
- Epilepsy Old – 15546 patients in the year
- Paediatric Epilepsy New – 270 patients in the year
- Paediatric Epilepsy Old - 643 patients in the year
- Indoor Services – 687 patients

New facilities Provided

Stroke Center

- 49 patient's thrombolysed for acute ischemic stroke in 2019. Total 89 patient's thrombolysed till date. There is coordination with Neurosurgery for Mechanical thrombectomy for Acute Stroke.

Movement Disorder Clinic

- Dr.Pankaj Agarwal is a honorary visiting Specialist in Movement Disorder. Weekly Botox therapy given to Selected Patients.

Obstetrics and Gynecology

- Patient Care : (data till 10.12.2016)
 - Total No. of confinements: 6127
 - Total major surgeries (Obstetric OT): 3003
 - Total minor surgeries (Obstetric OT) : 940
 - Total surgeries (Gyn OT) : 504
 - Total Gynec new outdoor patients: 11,685
 - Total Gynec old outdoor patients: 14,661
 - Total obstetric new outdoor patients: 8091
 - Total obstetric old outdoor patients: 24994
 - Gyn Indoor patients: 1650
 - Obstetric indoor: 8603
1. New Carditocography machine procured in the Labour room for Intrapartum Monitoring
 2. Free medicines like Injection Iron and Tablet Misoprostol, Eclampsia kits and Bakri balloon for management of Postpartum Hemorrhage have been made available by the Jivdaya foundation in the Departement
 3. Started six new specialty outpatient clinics

Day	Specialty clinic
Monday	Sexually transmitted infections
Tuesday	Gynecological endocrinology
Wednesday	Oncology
Thursday	Adolescent gynecology
Friday	Assisted reproductive technologies
Saturday	Menopause

Occupational Therapy

Patient care: The department serves all kinds of acute, sub-acute and late rehabilitation care. Along with in-patient care the department offers services to the outpatient departments catering to patients from different specialty areas like - Orthopedic, Psychiatry and Child Guidance Clinic, Drug De-addiction, Cardiovascular and Pulmonary, Plastic Surgery, General Surgery, Diabetic, Endocrinology disorders and Obesity, Neurological disorders, Arthritis, Developmental Disabilities in children, Neonatology, Hematological conditions like Hemophilia, Hospice care in leukemia and Gerontology.

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

Specialized OPD Interventions:

Sr. No	Name	Building	OPD No.	Day	Timings
1	Obesity clinic	CVTS	4	Mondays, Thursdays & Saturdays	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm

2.	Cardiac Risk Modulation clinic	CVTS	4	Tuesdays, Wednesdays & Fridays	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
3.	Pain Management Clinic	Orthopedic Center	412	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
4.	Rheumatoid Arthritis Clinic	CVTS	307	Saturdays	9.00 am to 12.00 pm
5.	Neonatal High Risk OPD	Multi Storey New Building, 1 st Floor		Wednesdays	1.00 pm to 4.00 pm
6.	Back School Clinic	Orthopedic Center	412	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
7.	Musculoskeletal management for Hemophilia	CVTS & Orthopedic Center	4 & 412	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
8.	Hypertension Clinic	Multistorey New Building, 1 st Floor		Wednesdays	9.00 am to 12.00 pm
9.	Neuro-Rehabilitation and movement disorder clinic	Old K.E.M Hospital Building	Ward 10, OT Department	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
10.	De-addiction: Intervention and Fitness	Orthopedic Center	OT department in Ward 40	Mondays to Saturdays	9.00 am to -12.00 pm
11.	Breast Clinic	New building	11	Wednesday	2.00 pm to 4.00 pm
12.	Psychiatry: Intervention and Work Fitness	Old K.E.M Hospital Building	OT OPD 79	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
13.	Child Guidance Clinic – New Patients OPD	Old K.E.M Hospital Building	OT OPD 79	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
14.	Kangaroo Mother Care	Behind Orthopedic Center		Mondays and Thursdays	10.00 am to 12.00 pm
15.	Pediatric Neuro Developmental -New Patients OPD	Old K.E.M Hospital Building	OT OPD 79	Saturdays	9.00 am to 12.00 pm
16.	Sensory Integration Therapy	Orthopedic Center	412	Mondays to Fridays	1.00 pm to 4.00 pm
17.	Burns, Plastic Surgery and Specialized Hand Clinic	Old K.E.M Hospital Building	OT OPD 260	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
18.	Synovitis and contracture Management Clinic	Orthopedic Center	412	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm

Workload:

Workload	Outpatient Dept	In Patient Care
Patients	39362	11423
Visits	127789	43675

Ophthalmology

New facilities provided

- Retina clinic – Tuesday, Thursday, Friday-Dr Vikram Nakhate & Dr Anniruddha Mahendrakar
- Paediatric and squint clinic – Wednesday and Thursday-Dr Pooja Ghalla
- Glaucoma clinic – Thursday and Saturday-Dr Arjun Gokani
- Oculoplasty clinic – Tuesday-Dr. Smita Menon
- Cornea clinic – Monday to Saturdays-Dr Amrita Ajani,Dr. Aashiyana Nariyani
- Plan to conduct a glaucoma screening programme on every Sunday

Orthopedics

- We have the facilities of treating fresh and neglected musculoskeletal trauma in all age group. We treat congenital, inflammatory, infective, neoplastic and degenerative pathologies affecting musculoskeletal system. We have skill and equipment to treat simple & complex trauma, spinal surgery, arthroplasty, arthroscopy and paediatric orthopaedic surgery.
- Our staff members participated in local and regional social services camps.

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: Has three functional theatre rooms. Out of three two have laminar flow.
- Renovated and renamed as Joint replacement Routine Orthopaedic Centre Operation Theatre.(JROCOT)
- Spine Surgery Theatre: Total renovated State of the art for spine surgery and other orthopaedics procedures. (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]

Pathology

- Automation of urine examination using urine analyser started
- The Department of Pathology has the largest number of laboratory services rendered to patients.

Annual Workload

	Hemat 6th fl	EMS	OC Lab	OPD 008	Cytology	Surg Path	NP	CVTC	Autopsy	Total
Total Collections (biochem etc)			28117	110662						138779
CBC ESR	472882	150455	22527	47987			805	17868		712524
Urine	39863			65625				2500		107988
Fluids	7596	1942								9538
CSF							1192			1192
ABG		53110								53110
PT		42008						39526		81534
FNAC					3400					3400
Fluids					940		3798			4738
Histology (total Cases)	1215					11022	1170	600		14007
Autopsy (total cases including histopath)							126	368	452	452
Immunolgy								9426		9426
Biochem (lipids, enzymes RA etc)								24642		24642
Total	521556	247515	50644	224274	4340	11022	7091	94930	452	1161824

Pediatric anesthesia

- Patient care services: Total no. of patients/year

Paediatric Surgery- 1300
GI scopy - 220
CT scan - 233
Ophthalmology - 87
MRI- 293
OPD - 1550

- Started Pediatric anesthesia services for MRI since January 2019 on all Saturdays and Mondays from 9am to 4 pm
- Started Pediatric Anesthesia OPD services since March 2019 on all Tuesdays and Thursdays from 2pm to 4pm.
- Started Intrathecal injection of the drug Spinraza in children with Spinal muscular atrophy since October 2019 – a part of National project in conjunction with the Department of Paediatrics, KEM

New Facilities provided:

- Oxygen Reserve Index (ORi™)-Masimo monitor: a new equipment to detect impending desaturation during apnoeic ventilation for retrieval of foreign body in the airway for children under anaesthesia
- Real time intra-operative Ultrasound is performed by us in various situations of surgical diagnostic dilemmas and to aid in better patient care.
- Target Controlled Infusion pump was bought by the department for the administration of Total Intravenous Anesthesia in children
- Provision of online system of sending requisitions for vascular access since January 2019 in Pediatric ICU, hematology and ward patients using Google forms to avoid delays in treatment and unwanted cancellations.
- Setting up of pediatric acute pain management services

Pediatrics

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

Patient Services	2019 (1 st Jan 19 to 30 th Nov 19)
General Pediatric OPD	26331
Indoor Admissions	5009
EMS Attendance	27033
PICU Admissions	511
Under Five Clinic	4901
Pediatric Rheumatology Clinic	86
Pediatric Nephrology Clinic	43
Pediatric Chest Clinic	632 (99)
Genetic Clinic	729 (549)
School Clinic	2478
Thalassemia day care centre admissions	1661
Pediatric Epilepsy Clinic	2236 (186)
Learning Disabilities Clinic	737 (543*)
Note: Figures in parenthesis indicate new patients; *Certified/ Evaluated	

Pediatric Surgery

- We have completed cases of 3-D laparoscopy till date
- Department procured holmium yag laser system.
- Total admissions – 1727
- Total no of Surgeries – 1490
- Major surgeries – 684
- Minimal access surgeries – 254
- Minor surgeries – 617

Pharmacology & 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 2019 to 31st December 2019 were 2167.
- Admissions in Ayurveda ward were done for detailed assessment of patients, Panchkarma and other therapeutic procedures. Total number of indoor admissions from 1st January 2019 to 31st December 2019 were 1281.
- Monitoring for Quality of Ayurvedic Formulations: A total of 16 Ayurvedic formulations were analyzed for synthetic steroids and of these 08 were found to contain synthetic steroids. 4 samples were received for detection of heavy metals and none of these was found to contain heavy metals.

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	<ul style="list-style-type: none"> Assesment of movement dysfunction 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 Performance related Fitness 	All orthopaedic wards Plastic surgery
Neurophysiotherapy:	<ul style="list-style-type: none"> Early Neonatal Intervention (NICU) Adult Neuro rehabilitation : Hemiplegia, parkinson Paediatric Neuro Rehabilitation Motor Control retraining, Functional training Mirror therapy and gaze stabilization training Bimanual training for upperlimb functional activities Mirror Therapy for lower limb, functional Reeducation and Bi manual training for upper limb in Hemiplegia. Gaze stabilization exercises in improving balance and Phonation training in Parkinson's class Adult Cerebral palsy class 	<ul style="list-style-type: none"> Assessment, Evaluation & physiotherapy treatment for ICU- Neuro surgery Paediatric ICU NICU Neurology ward Neuro Sx Ward
Cardiovascular and respiratory Physiotherapy	<ul style="list-style-type: none"> Obesity and Fitness testing and training with health promotion Women's and Geriatric Physiotherapy Cardio vascular -Pulmonary Rehabilitation with Prevention of Lifestyle related diseases Syncope and Post PPI Physiotherapy Respiratory therapy OPD Relaxation and Patient education classes Functional Capacity Testing Amputee Rehabilitation P.T. following Gastric surgery & urogenital surgery and Incontinence Psychiatric disorders Wound healing & Ozone therapy 	<ul style="list-style-type: none"> All surgical/Medical/Paediatric/neonatal Intensive care Unit of KEMH, CVTC & New building Emergency Medical & Surgical care – Intensive and emergency care services are provided on all days of the week Weaning from ventilators Preoperative post operative physiotherapy Training for breath holding Pain Modulation Physiotherapy services to All Medical and Surgical wards GI Med & Sx/Dermatology Burns ALL wards of cardiovascular and thoracic centre Wound care & Ozone therapy Care of Amputee and Rehabilitation

New Services Introduced:

- Performance Based Fitness Training: Musculoskeletal OPD & CVTC OPD

Services received by :

Area	Indoor	Outdoor	Total
Musculoskeletal Physiotherapy	50363	37405	87768
Neurophysiotherapy	8026	8616	16642
Cardiovascular and Respiratory PT	21413	5629	27042
Total	79802	51650	131452

Plastic Surgery

- Other than the routine and emergency Plastic Surgery, we have the following special clinics.
- Maxillofacial clinic (every Monday, 2.30 pm, ward 16) – services provided by plastic surgery and maxillofacial surgeons.
- Hand clinic, every Thursday, OPD 1.30 pm – 3.30 pm by Plastic Surgeons, Occupational Therapists and Physiotherapists.

Psychiatry

Facilities Provided Are:

A. General

- In the year 2019, the number of new patients seen in OPD were –6500
- On follow-up the number of patients examined were approximately –44000
- Total no. of Indoor patients admission in Psychiatry were - 652
- EEGs: Total no. of patients - 892
- ECTs: Total no. of patients – 957
- Biofeedback: Total no. of patients – 121
- Psychological testing Total no. of patients – 1,822
- Deaddiction Centre
 - OPD New cases – 1,211
 - Follow up cases – 15,562
 - Indoor Admissions – 263
- Drug Deaddiction Laboratory Work Report (Jan 2019 To Dec 2019)

Total Urine Samples assessed for alcohol, morphine, cannabis, benzodiazepines, MDMA, cocaine, amphetamine and other miscellaneous samples (Pudi, Tablet, Misri) – 17,277

Specialist Services

• Group Therapy Services

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

- o Suicide prevention counselling group: - 61
- o Sexual dysfunctions group: - 76
- o Dementia group/Memory Clinic – 43
- o Caregivers of Patients with Schizophrenia group – 490

• Deaddiction Ward Groups

- o Yoga: 241
- o Patient Psycho-education Group: 259
- o Caregiver Group: 388

• Specialized Clinics

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

- Child Guidance Clinic (CGC) for children with psychiatric disorders, New cases: 476, Follow up: 2143
- Geriatric Clinic for old age patient, New cases: 66, Follow up: 308
- Yoga OPD: Yoga therapy once a week.

No. of New patients for counseling by PSWs: 1200

- Over 450 families counselled, 91 group works, 8 referrals and around 2,000 follow-ups.

Radiology

In the year 2019, the Dept. of Radiology has performed following number of scans:

Modality	Number of scans performed
CT	42,901
MRI	9,136
USG	58,802
Barium	1520
IVP	813
Mammography	529
Interventional Radiology Procedures	2738

X-ray		Number of patients
	General x-rays	2,98,542
	OC building	1,39,301
	CVTC	10948
	EMS X-ray	97,358
	Total	5,46,149
Grand total		6,62,588

Surgical Gastroenterology

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

Month	OPD (NEW)	OPD (OLD)	IPD
January	133	173	88
February	121	249	83
March	133	232	84
April	159	177	86
May	112	201	93
June	156	191	81
July	193	205	98
August	171	241	95
September	127	234	87
October	112	310	97
November	196	232	90
December	186	228	95
Total	1799	2673	1077

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 10804 units of Random Donor Platelets and more than 201 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.
- 300 Therapeutic Plasmapheresis procedures have been performed in the Department which is beneficial for patients of G.B. Syndrome, Polymyositis Myasthesia Gravis etc.
- Peripheral Blood Stem Cell apheresis procedures has been performed in the Department for patients suffering from multiple myeloma, aplastic anemia and non Hodgkins Lymphoma. FDA License No.954 Renewed from 01/01/2017 to 31/12/2021.

Urology

Clinical facilities offered by the department :

- 30 Beds in Urology Ward
- There are 4 Operation Rooms and operations are performed 5 days a week
- Three outpatient department sessions (OPD) every week
 - o Stone Clinic - Wed. 1.30 to 5.30 pm - avge 210 patients / OPD day
 - o General Urology - Saturday 8.30 to 1.30 pm - avge 220-250 patients / OPD day
 - o Andrology - Friday 1.30 to 3.30 pm - 25-30 patients / OPD day

Investigative facilities offered by the department

- Ultrasonography: Urology department has its own ultrasound machine, where scans of urological patients are done. This machine is also used to perform emergency procedure like PCN insertion, SPC insertion.
- Uroflowmetry: This laboratory, located in the department helps in evaluating people with obstruction to urine flow.
- Doppler ultrasound: This investigation helps in evaluating patients with infertility and following transplantation.
- Radiological investigations like Retrograde Ureterogram and Retrograde Pyelogram.
- Uro-endoscopy
- Phalldynamic Studies (Impotence Studies).
- TRUS: Trans Rectal USG with prostatic Biopsy for diagnosis of Ca prostate.
- Urodynamic study: Pressure flow studies.

Treatment modalities offered by the department

1. Stone disease
 - Endoscopic
 - Suprapubic & transurethral Cystolithotripsy
 - URS
 - PCNL
 - Open surgeries
 - Extra Corporeal Shockwave Lithotripsy (ESWL)
 - RIRS – Laser surgery,
 - 3D laparoscope System
2. Uro-oncology
 - Advanced uro-oncologic surgeries like radical retropubic prostatectomies, radical cystectomy with orthotopicneobladder etc.
3. Female Urology
 - Surgeries for SUI, genitourinary fistulas, reconstruction surgery for urinary incontinence
4. Paediatric Urology
 - Hypospadias surgeries.
 - Bladder neck reconstruction for incontinence.
 - PCNL / URS / RIRS
5. Transplant urology
 - Laproscopic donor nephrectomy.
6. Andrology and Infertility -
 - For infertility
 - VEA, VVA, TUIED (Transurethral incision of ejaculatory ducts)
 - For impotence
 - Penile prosthesis
 - Venous ligation
7. Laparoscopic surgery procedures like Lap. VVF repair and Lap. Pyeloplasty.
8. Laser prostatectomy.
9. Stricture surgery for complicated cases - Redo surgery - rectourethral fistula
10. UDS
11. USG Machine for TRUS Biopsy and USG KUB, with USG guided PCN, biopsy, cyst aspiration
12. Microscopic procedures like micro varicocelectomy, AV Fistula for dialysis.

• The department caters to an average of 18264 out patients per year. Total indoor admissions per year are about 1492. 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.
 - o Uro-endoscopy
 - o RGP/PCN
- 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 DEVICED 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 3D 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 also perform complex procedures such as radical cystectomy, radical prostatectomy and VVF repair.
 - 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:
- o Medical Social Worker takes a lecture on organ donation during OPD timings. This is to increase awareness about organ donation
 - o Dietary advice about stone disease
 - o Posters on BEP, Stone, Cancer
 - o 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
 - o Consents printed in Hindi & Marathi are taken prior to surgery for each procedure.
- b. Computerization of IPD records:
- o 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 purchased and has been modified to suit our setup.
 - o All patients are given printed and laminated discharge paper and OPD records are also given in a Printed computerized sheath.
 - o All OT records are maintained on the computer and the data can be retrieved immediately

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.
2019 (till Nov.2019)	4123	5762	3891	3564	423	399	18162	1287	2741	47

Workload of the Department (for last 3 Years) Patient Workload:

Diagnostic Workload:

Year	USG	Cystoscopy & Related Procedures	Uroflowmetry	Trust Guided Biopsy	UDS
2019 (till Nov.2019)	355	930	1450	139	132

Operative Workload :

	2019 (till Nov.2019)
Open work 60 to 70% in operative work	297
Transplant – (LRDT + Cadaver)	13
Endo-urology :	
VIU	56
TURP	77
URS	151
PCN	181
PCNL	268
PCCL	15
U plasty	55
TURBT	27
Laparoscopy	116

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Publications

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Urology

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Book

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Research

Research

Anatomy

- 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 and morphometrical study of meniscii
- A new method of preparing dry bones from embalmed cadavers
- Perceptions of undergraduate students on e-learning
- Effectiveness of audio-visual demonstration of dissection in the understanding of Anatomy
- A study of coronary arteries
- A Study on Pen holding grips

Anesthesia

- Comparison of Atracurium and CIS-Atracurium during Anaesthesia for Laparoscopic Procedures
- Role of anterior neck soft tissue quantifications by ultrasound in predicting difficult Endotracheal Intubation
- Evaluation of the Hemocue® for Blood Loss Estimation in Patients undergoing Neurosurgical Procedures
- A prospective observational study to assess factors affecting blood transfusion in spine surgery
- Comparative study to attenuate hemodynamic response to skull pin head holder application using intravenous dexmedetomidine Vs mixture of lignocaine and bupivacaine
- Relationship between pre-operative anxiety and onset and duration of spinal anesthesia
- Current understanding and perception of preanaesthesia check-up among patients.
- 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.
- Prospective randomized international comparative study to know the feasibility and efficacy of patients with and without ERAS protocol in urological surgeries under regional anaesthesia.
- 'Comparison of insertion success rate of Laryngeal tube-S and proseal ambu Laryngeal mask airway in anaesthetised patients by anaesthesia residents.
- Current Practices and Perceptions on Perioperative Temperature Monitoring and Regulation.
- Prospective Observational study to Assess Chronic Post-Surgical Pain After Inguinal Hernia Surgery.
- A randomized control study to evaluate the effect of Dexmedetomidine infusion V/S Fentanyl infusion on Minimum Alveolar Concentration (MAC) of Desflurane in patients undergoing supratentorial neurosurgeries.
- Prospective analysis of anaesthesia management of patients undergoing surgery for resection of pheochromocytoma - Audit in tertiary care hospital.
- Comparison of the diagnostic value of FRONT Score in combination with Modified Mallampati classification for prediction of difficult laryngoscopy and intubation – A Prospective Study.
- Comparison of addition of Dexmedetomidine to sevoflurane or desflurane for fast track anaesthesia in spine surgeries
- Prospective observational comparative study between the ultrasound guided transverse and longitudinal technique for the identification of the cricothyroid membrane in obese and overweight patients
- A survey of assessment of dental health in patients requiring general anaesthesia
- Prospective observational analysis of laryngo-tracheobronchial foreign body removal under general anaesthesia
- Prospective Observational Study of Airway Related Perioperative Complications in Patients Undergoing Craniovertebral Junction Anomalies Surgeries
- 'Comparison of trainee anaesthesiologist perception about patients fear and anxiety regarding anaesthesia vs patients own perception

Biochemistry and Clinical Nutrition

- Impact of Modified OMP Model on reasoning skills of Phase I MBBS Students in Biochemistry

Cardiac Anesthesia

- Transesophageal echocardiographic evaluation of tricuspid valve
- Cerebral oximetry in on-pump and off pump CABG

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 clinico-radio analysis of patients admitted with acute exacerbation of ILD in a tertiary health care centre.
- The retrospective study of pulmonary function test in bronchiectasis
- Prevalence of pulmonary hypertension in patients with acute exacerbation of chronic obstructive pulmonary disease-retrospective study
- Assessment of reversibility in chronic obstructive pulmonary disease with pulmonary function test
- 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
- Knowledge, Attitude and Practice in Tuberculosis amongst Medical students

Clinical Pharmacology

- 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
- 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
- An audit of safety reporting in Randomized Controlled Trials (RCTs) over a five-year period in one high impact factor journal
- Estimation of prevalence of mutation in Artemisinin drug resistance associated with Pvk12 gene in Plasmodium vivax malaria parasite isolate in a tertiary care center

- An audit of Warning letters [WLs] issued to Sponsors, Institutional Review Boards [IRBs] and Investigators by the United States Food and Drug Administration (US FDA) over a four-year period
- An audit of questions asked by participants during the informed consent process for interventional studies at a tertiary referral center
- An evaluation of clinical trials that support approval of Orphan drugs vs non-Orphan drugs in Infectious Diseases Therapeutics: a ten-year analysis (2010-2019)
- Determinants of screen failures in clinical trials conducted at a tertiary referral center
- Efficacy and safety of SGLT2 inhibitor monotherapy in T2DM patients – a meta-analysis of phase III trials
- An analysis of article submission invitations via emails
- A systematic review of the association of hearing loss with the use of lamivudine in patients with HIV and Hepatitis B infection
- Educational intervention among nurses to improve adverse drug event reporting: a prospective comparative study
- Educational intervention to improve adverse drug event reporting among clinicians and resident doctors: a prospective comparative study
- Evaluation of genotyping and therapeutic drug monitoring vs. only therapeutic drug monitoring as a strategy for risk minimization in epileptic patients on phenytoin therapy: a randomized controlled trial
- Evaluation of genotyping and therapeutic drug monitoring vs. only therapeutic drug monitoring as a strategy for risk minimization in epileptic patients on carbamazepine therapy: a randomized controlled trial
- Evaluation of single dose Pharmacokinetics of Primaquine (15 mg base) and its metabolite Carboxyprimaquine in patients with moderate hepatic dysfunction in comparison with normal healthy participants
- Monitoring of concentration of Paracetamol in patients with Paracetamol poisoning and Correlation with Outcome
- Evaluation of the Utility of Genotyping in Patients with Budd Chiari Syndrome Versus Standard of Care to Assess Impact on Bleeding and Costs – A Randomized Controlled Trial
- An audit of the Institutional Ethics Committee queries after original research submissions – investigators' perspectives
- Evaluation of population pharmacokinetics of Levetiracetam in patients with epilepsy
- Evaluation of pharmacokinetic –pharmacodynamic relationships of anti-infectives
- A Phase IV, Randomized, Controlled Study of the Safety and Immunogenicity of Rabishield + Rabivax-S Post-exposure Prophylaxis regimen in Patients with Potential Rabies Exposure.
- A single-arm, multicenter Phase IIIb clinical trial to evaluate the safety and tolerability of prophylactic Emicizumab in hemophilia A patients with inhibitors
- A Phase III, open label, randomized, multi-centric, active controlled, clinical trial to evaluate the immune response and safety of SIIPL's Liquid Live Attenuated Human Seasonal Quadrivalent Influenza Vaccine (LAIV-LQ) and SIIPL's Freeze Dried Live Attenuated Human Seasonal Trivalent Influenza Vaccine (LAIV-FD) among healthy Indian individuals' ≥2 years of age
- Immune Lot to Lot Consistency and Non- Inferiority of SHAN-6™ Vaccine in Comparison to in SHAN-5® + SHANIPV™ When Administered as Three doses at 6-8, 10-12, & 14-16 weeks of age in Healthy Indian Infants, Concomitantly with Oral Rotavirus Vaccine
- A phase III, randomised, open study to assess the immunogenicity, reactogenicity and safety of two different formulations of GlaxoSmithKline (GSK) Biologicals' oral live attenuated human rotavirus vaccine, Rotarix, when given as a two-dose primary vaccination, in healthy infants with no previous history of rotavirus illness or vaccination.
- A prospective, multicenter, randomized, double blind study to compare the efficacy and safety of ENZ110 (similar biologic of Romiplostim) versus innovator Romiplostim in patients with chronic immune thrombocytopenia (ITP).
- Efficacy and safety of Ap-Bio/Kalmcold in participants with uncomplicated upper respiratory tract viral infection (common cold) –A phase III, Double blind,parallel group, randomized placebo controlled trial
- A phase 3, randomized, observer-blind, Controlled, Multi-center study to evaluate the lot to lot consistency of SIIPL Meningococcal ACYWX conjugate vaccine (NmCV-5) and to compare its safety and immunogenicity with that of licensed meningococcal ACWY vaccine Menactra® in healthy individuals 18-85 years of age". Sponsored by Serum Institute of India Pvt Ltd,Pune.
- A Phase 3, Randomized, Double-blind study to evaluate the immunogenicity, Safety and Tolerability of Serum Institute of India's 10-Valent Pneumococcal Conjugate Vaccine (PNEUMOSIL®) in Healthy Indian Infants
- Efficacy and safety of GutGard in patients with gastroesophageal reflux disease (GERD) – A Phase III, single centre, double-blind, parallel group, randomized placebo-controlled trial

Collaborator

- ICMR

Community Medicine

- 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, Malwani

Dermatology, Venerology and Leprosy

- 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
- 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.
- A descriptive, cross sectional, observational study of hair loss in children with dermoscopic analysis
- A descriptive, observational, cross sectional study of clinic-epidemiological aspects of photo dermatosis in Indian population
- A descriptive, cross sectional observational study of clinic epidemiological aspects of superficial fungal infection in children
- A descriptive, observational, cross sectional study of clinic epidemiological and histopathological aspects of primary localized cutaneous amyloidosis and its effect on the quality of life of the patient
- A descriptive observational and cross-sectional study of clinic epidemiological and pathological aspects of cicatricial alopecia in children
- Split face comparative study of 50 % TCA and 70% TCA Spot peel in treatment of patient with bl facial freckles in tertiary care hospital in Mumbai
- A descriptive, observational, cross sectional study of clinic epidemiological study of LPP
- A randomized double blind, multi-centric, phase 3 study to evaluate the long-term safety and efficacy of Baricitinib in adult patients with atopic dermatitis
- A retrospective study of histopathological patterns of vasculitis
- Retrospective study of patterns in histopathology in mycetoma
- Retrospective histopathological changes in oral lichen planus
- Study of association of thyroid abnormality in adult vitiligo patients
- A study to detect the presence of steroids in beauty creams available over the counter in India

Dentistry

- Oral health complaints seen in pregnant women visiting the Department of Dentistry in a Tertiary Care Hospital in Mumbai, India.
- Achieving hemostasis after dental extraction in hemophilic patients

Endocrinology

- Prospective Study of Adrenal Masses - CT Imaging Features and their histopathological co- relation

- Predictors of Polar Vessel sign in Parathyroid Adenoma
- Retrospective Study of Patients with Tumour Induced Osteomalacia involving head & Neck region and review of literature
- 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 hyperparathyroidism
- 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 hemodynamic stability in the management of Pheochromocytoma/Paraganglioma
- Effectiveness of various diagnostic tests in Cushing Syndrome: A retrospective analysis
- Range of salivary cortisol (morning and late-night), and Overnight dexamethasone suppressed serum and salivary cortisol in chronic renal failure patients
- Performance of ⁶⁸Ga-DOTATATE, ¹³¹I-MIBG and ¹⁸F-FDG PET in localisation of PPGL– a single centre experience
- Radionuclide therapy in Pheochromocytoma / paraganglioma (PPGL): single centre experience.
- Impact of Radiotherapy on outcomes of Pituitary Adenoma
- Insulin Autoimmune Hypoglycaemia: Case Series from a Single Centre and Review of Literature.
- Retrospective study of parathyroid carcinoma cases single centre experience from western India.
- Retrospective analysis of medullary thyroid carcinoma patients visiting at Department of Endocrinology at tertiary care hospital
- Retrospective analysis of Endocrine manifestations of secretory ovarian tumours: Single centre experience
- Vitamin D dependent rickets Type I and Type II: Single centre experience
- Genotype phenotype correlation in Indian Patients with Congenital Adrenal Hyperplasia due to 21- hydroxylase deficiency
- Retrospective analysis titled: Clinical, Biochemical and Genetic profile of Patients with Congenital Adrenal Hyperplasia due to 11- Hydroxylase deficiency
- A prospective observational cohort study to identify the utility of risk-based screening strategy for long term complications in adolescent and adult cancer survivors of leukaemia and lymphoma
- STEP-2: Effect and safety of semaglutide 2.4 mg once-weekly in subjects with overweight or obesity and type 2 diabetes
- Sustain 11: Effect of semaglutide once-weekly versus insulin aspart three times daily, both as add on to metformin and optimised insulin glargine (U100) in subjects with type 2 diabetes.
- ICMR National Project: To formulate Registry of people with Diabetes with Young Age at the Onset in Western India
- Conduct of study “Lifestyle Intervention IN Gestational Diabetes (LIVING): A lifestyle intervention program for the prevention of type 2 diabetes mellitus among South Asian women with gestational diabetes mellitus
- Conduct of study “Multiplexing of bone markers in an ELISA array and validation for the assessment of bone health”
- To develop a strategy for post-partum, follow up of woman with history of gestational diabetes mellitus by using the right test and frequency of testing and developing patient centric approach after incorporating their views. Sub-study of Living
- Effect of intervention for lifestyle modification on improvement in sleep quality, depression score and optimal breastfeeding duration in women with history of GDM: Sub Study Of LIVING
- DST_SERB_46XYDSD: Genotype- phenotype correlation in Indian Patients with 46XY Disorders of Sex Development. (46 XY DSD)
- Understanding the metabolic reprogramming linked with (dys)regulation of islet amyloid polypeptide (IAPP) expression in Type 2 Diabetes mellitus (T2DM). (IMPRINT Project)

Collaborators

- ICMR
- CCDC/ICMR

- NIRRH
- SERB
- IIT, Powai, Mumbai

ENT

- Application of co-ablation in airway surgeries
- Evaluation of revision surgery in Chronic suppurative otitis media
- To study the outcome of canal wall up mastoidectomy with lateral attic wall reconstruction
- Role of Narrow Band Imaging in 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 cochlear
- 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
- Impact of urban noise pollution on hearing

Forensic Medicine

- A Study of Injuries to Neck Structures in cases of hanging with special emphasis on salivary glands changes.
- Medico-legal and Socio Demographic study of death due to burns at tertiary care center
- Operationalization of Victim Centric Multi-Disciplinary Care of Survivors & Sexual Violence at One Stop Centre at a Tertiary Care Hospital in a Metropolitan City
- Evaluation of Post Mortem CSF Serotonin Levels: Comparison of Suicidal versus Non-Suicidal deaths at tertiary Care Hospital

Gastroenterology

- Validation of Nutrient drink test for evaluation of gastric accommodation in functional dyspepsia
- Comparison of profile of Hepatocellular carcinoma in three tertiary care referral centers
- Evaluation of the role of capsaicin on intestinal permeability, visceral hypersensitivity and gut TRPV1 receptors in patients with irritable bowel syndrome
- Correlation between esophageal histology, 24 hr pH-metry and high definition endoscopy in patient with refractory GERD
- A study of defecatory dysfunction in patients with benign prostatic enlargement
- A study of gonadal function in male Budd Chiari syndrome (BCS) patients before & after appropriate therapy
- small intestinal bacterial overgrowth and delayed oro-caecal transit time in patients with minimal hepatic encephalopathy and effect of rifaximin
- Combined phase 3, Double-blind, Randomized, Placebo- Controlled Studies Evaluating the Efficacy and Safety of Filgotinib in the Induction and Maintenance of Remission in Subjects with Moderately to Severely Active Crohn's Disease
- A Long-Term Extension Study to Evaluate the Safety of Filgotinib in Subjects with Crohn's Disease
- A Double-blind Placebo-controlled Randomized, Phase 2 study to Evaluate the Testicular safety of Filgotinib in Adult Males with Moderately to severely Active ulcerative colitis
- A Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of Tenofovir Alafenamide (TAF) 25 mg QD versus Tenofovir Disoproxil Fumarate (TDF) 300 mg QD for the Treatment of HBeAg-Negative, Chronic Hepatitis B
- A Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of Tenofovir Alafenamide (TAF) 25 mg QD versus Tenofovir Disoproxil Fumarate (TDF) 300 mg QD for the Treatment of HBeAg Positive, Chronic Hepatitis B
- Phase 3, Randomized, Double-Blind, Placebo-controlled, Multicenter study to evaluate the Efficacy (maintenance of

Remission) and safety of Etrolizumab compared with Placebo in patients with moderate to severe active ulcerative colitis who are naive to TNF inhibitors.

- An open label extension and safety monitoring study of moderate to severe ulcerative colitis patients previously enrolled in Etrolizumab phase II/III studies

Hematology

- 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
- 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

Collaborator

- ICMR

Medicine

- 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
- Prevalence and Clinical Profile of Hypertensive Patients with Thyroid
- Clinical Profile and ABPM Parameters in patients of Acute Coronary Syndrome
- Clinical profile & cognitive function in elderly hypertensives
- Study of ADR s of anti-hypertensive drugs
- Comprehensive Geriatric Assessment of geriatric patients and their views regarding healthcare
- Current practices in geriatric healthcare and views among interns and medical professionals
- Introduction and assessment of feasibility of DOPS in medicine faculty and postgraduate students.
- Clinical profile of AES and its mortality predictors
- Clinical profile of UTI and its outcome assessment
- The study of discordant HIV couples and study of their fertility intentions.
- Study of clinical profile and etiology of patients with Hyponatremia and factors affecting outcome in Medical ICU
- Study of clinical profile and adverse reactions of antitubercular drugs
- Clinical profile and outcome of patients with polycythaemia
- Clinical profile of classic pyrexia of unknown origin at a tertiary care centre
- Clinical and haematological profile of patients with bi-cytopenia in tertiary care institution
- Study of patients with hyponatremia in acute cerebrovascular accidents at tertiary health care centre
- Completed projects
- Study of homocysteine and vitamin b12 levels in patients of young thrombotic stroke
- Comparative Review of Insulin Sensitivity Score in Tertiary Health Care Centre

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
- Hepatitis B vaccination drive: An experience from a tertiary care hospital
- Superbugs on smart phones in use by general population
- Demonstration of the role of Streptococcal antigen SIC DRS and DRSG in causing kidney diseases in mouse model
- 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 MTBDR plus, 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 hematological 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
- Fecal carriage of carbapenem resistant Enterobacteriaceae in a tertiary care teaching hospital
- Determination of disease specific epitopes to monitor disease activity in acute rheumatic fever / RHD
- Study of secondary bacterial infections in scabies cases in Mumbai with special reference to microbiome study- An international collaborative study with Queensland Institute of medical Research
- Challenges and solutions to implement Biomedical Waste Management Rules 2016- A survey of hospitals in Maharashtra
- Utility of a Mobile App for Auditing Biomedical Waste Segregation Practices in a Surgical Discipline of a Tertiary Care Hospital
- Hepatitis B vaccination status of dentists and their approach to Hepatitis B infected patients- A questionnaire-based survey from Maharashtra

Neonatology

- Drugs for Neglected Disease Initiative (DNDi), Swiss Foundation & GARDP Foundation, for NeoAMR Global Neonatal Sepsis Observational Study (NeoOBS) - a prospective cohort study of sepsis in hospitalized neonates
- Goat lung surfactant for treatment of respiratory distress syndrome among preterm neonates: a multi-site randomized non-inferiority trial
- Fluid restriction for term infants with HIE following perinatal asphyxia: An RCT
- Is routine monitoring for hypoglycemia required in intramural asymptomatic infant of diabetic mother? an audit in a tertiary care hospital
- Children's Hospital of Philadelphia (CHOP) score to predict severe retinopathy in Indian preterm infants
- Red Cell Distribution Width (RDW): Normative Data in Indian Neonates.
- Neonatal Palliative Care in India - Current Scenario
- Placental findings in singleton stillbirths
- Correlation of amplitude integrated electroencephalogram (aEEG) and early neurological outcome in new-born treated with therapeutic hypothermia for hypoxic ischaemic encephalopathy (HIE): an audit.
- Quality Initiative to increase breastfeeding in KMC position.
- Post INSURE administration of heated humidified high flow nasal cannula therapy versus nasal continuous positive airway pressure in preterm infants with RDS: a pilot study
- Platelet distribution width-association with neonatal sepsis
- Superior mesenteric artery perfusion index in Very Low Birth Weight infants
- An audit of human milk bank at a tertiary care public hospital in Mumbai
- Mother to child HBV transmission
- Evaluation of Neonatal Skin Condition Score in NICU-an observational study
- Global Neonatal Sepsis Observational Study (NeoOBS) - a prospective cohort study of sepsis in hospitalized neonates

Collaborators

- International: Drugs for Neglected Disease Initiative (DNDi)
- Swiss Foundation & GARDP Foundation
- Ministry of Health & Family Welfare, Government of India

Nephrology

- Study of clinical and laboratory features and long-term outcomes of patients of Distal Renal Tubular Acidosis and results of mutation analysis by genetic testing
- Dual blockade of Renin Angiotensin Aldosterone system (RAAS) in primary glomerulonephritis.
- Incidence, risk factors and outcomes of post-transplant Tuberculosis in Indian renal transplant recipients
- Incidence, risk factors and outcomes of renal side effects of Anti-Tubercular drugs used for MDR and XDR Tuberculosis
- Incidence, risk factors and outcomes of ABMR in Indian post renal transplant patients
- To compare clinical outcomes between twice weekly and thrice weekly haemodialysis in CKD patients.
- Diarrhoea after kidney transplant: A study of risk factors and outcomes
- Role of diuretics in acute kidney injury (AKI) and predictors of response to diuretics and outcomes of AKI
- Clinical profile and outcomes of patients with malignant hypertension and kidney disease.
- Complement system abnormalities in patients with atypical HUS and their impact on clinical outcomes.
- Effect of Atenolol in CKD patients on haemodialysis with uncontrolled hypertension
- Study of long-term renal outcomes in patients with pregnancy associated acute kidney injury
- Renal tubular dysfunction in patient with lupus nephritis
- Neonatal AKI: Study on etiology, clinical profile and outcomes
- Efficiency of SLED in critically ill patients with AKI
- FLOW- Effect of Semaglutide versus placebo on the progression of renal impairment in subjects with Type 2 Diabetes and Chronic Kidney Disease.

Neurology

- A Prospective, Multicentric, Randomized, Double Blind, Placebo Controlled Phase II Clinical Study to Compare the Safety and Efficacy of PMZ-1620 Therapy along with Standard Supportive Care in Subjects of mild to moderate Alzheimer's disease
- A prospective, multicenter, post-marketing surveillance to assess safety & efficacy of perampanel in Indian patients as an adjunctive treatment in partial onset seizures with or without secondary generalized seizures in patients with epilepsy aged 12 years or older
- A Cross-sectional, Multicenter Study to Determine the Sociodemographic Characteristics, Clinical Profile, and Usage Pattern of Antiepileptic Drugs in Persons with Epilepsy in India

Neurosurgery

- Scientific evaluation of series of patients undergoing the surgical management of complex neurosurgical tumors and lesions are being conducted

Nuclear Medicine

- Role of FDG PET in vasculitis
- Efficacy and safety of gutgard in GER-related symptoms- A phase III, single centre, double blinded, parallel gap, randomised placebo trail
- Role of F-18 FDG PET/CT in evaluation of renal masses with histopathological correlation
- Prognostic value of concurrent reduced brain metabolism in cancer patients observed on 18- FDG PET/CT done for initial staging of tumor

Obstetrics and Gynecology

- A comparison of two regimens of Nifedipine to control preterm labor- 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 abdominal cystic masses in women- An observational study
- Study of factors determining the route of hysterectomy and their correlation with clinical outcome.
- Clinical outcomes in women with cardiac diseases with and without hypertensive disorders in pregnancy- A comparative prospective study
- Clinical Audit of Obstetric Hysterectomies
- An observational analysis of utilisation of antenatal ultrasonography and its determinants and the impact on pregnancy outcome

- Audit of Maternal Mortality
- Maternal and Perinatal Outcome in pregnancies with Malpresentation
- Study of Clinicopathological and radiological features of Adnexal Masses
- Analysis of conservative surgery in prolapse at a tertiary care centre
- Analysis of ICU Admission for obstetric indications at a tertiary care centre
- First trimester vaginal bleeding and pregnancy outcome
- Analysis of Maternal and foetal outcome in cases of oligohydramnios
- Adherence to Anti-retroviral therapy in HIV positive pregnant women in antenatal and postnatal period with reference to co morbidities
- Cervical Cytological Abnormalities in HIV positive women
- Injuries and Interventions in Sexual assault cases: A comparative study in various age groups
- Caesarean Scar Syndrome and histopathological evidence in hysterectomy specimens of caesarean and non-caesarean cases
- Non-Obstetric Abdominopelvic Pain in Pregnancy
- Congenital Heart Disease in Pregnancy
- Massive obstetric haemorrhage and its maternal & perinatal outcome.
- Analysis of Acute Intrapartum Fetal Distress
- Surgical Management of Millenarian Anomalies
- Surgical management of post hysterectomy vault prolapse
- Chronic Renal disorders in pregnancy maternal and fetal of outcomes
- Effect of Body mass index (BMI)and weight changes during pregnancy on perinatal & fetal outcome.
- Surgical site infection in post lower segment cesarean section Epidemiology cases and prevention.
- Analysis of stillbirth as per Re Co De classification systems.
- Knowledge, Attitude and Practice of Contraction among post-mortem women
- Study of A Pelvic pain in Gynaecology. A Prospective cross-sectional observation study
- Study of Obstetric outcome in patients with seismological disorders
- Maternal Obstetric Trauma to the Genital tract following vaginal delivery
- Obstetric outcome in surgically scarred uterus
- Maternal and fetal outcome in women with mitral valve disease of rheumatic origin
- Congenital fetal malformation and pregnancy outcome
- Observational Study of Various Methods for Second Trimester MTP
- A comparison between two standard regimens of Magnesium sulphate in pre-eclamptic and eclamptic patients- An observational study
- Correlation of clinical-laboratory-sonographic parameters in patients of gestational diabetes mellitus with maternal and fetal outcome
- Comparison of different treatment modalities in gestational diabetes mellitus and its maternal and fetal outcome
- A study of various causes of thrombocytopenia ins pregnancy and their effect on maternal & fetal outcome a retro prospective observational study.
- Analysis of maternal and foetal outcome of prenatal diagnostic testing in obstetrics.
- Maternal and foetal outcome of lives disorders in pregnancy a prospective & retrospective study.

Occupational Therapy

- 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.
- Comparison 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.
- Correlation of Muscle Tone to - Muscle Tone and Voluntary Control in UMN lesions.
- To study the relationship between voluntary control and muscle tone in upper extremity and their implication on function- A correlational study.
- Assessment of duration using canalith repositioning manoeuvre and habitual exercises on Benign paroxysmal postural vertigo. - A Randomized control trial.
- Effectiveness of Pilates as an adjunct to occupational therapy intervention for pelvic stability, gait and functional mobility in stroke - A Randomized control trial.
- Parental expectations from health care providers of pediatric wards in tertiary care hospital on the basis of Family centered approach
- Assessment of feeling difficulties in children of 2 to 5 years of age using SCOPE-IT Frame of Reference.
- Stressors in parents of school going children with Attention Deficit Hyperactivity Disorder in the age group of 6 to 12 years and perceived barriers in Occupational Therapy program participation.
- Effectiveness of Graded motor imagery versus Cross-education for improving upper limb functions in distal radius fracture
- Effectiveness of Client-centered ADL training program for improving Upper Extremity function in Subacute Adhesive Capsulitis: A Randomized Control Trial
- Risk of work-related musculoskeletal disorders (WSMDs) and Efficacy of ergonomic program among nursing students

Ophthalmology

- 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 versus old donors and their post-operative visual outcome after 2 months of optical penetrating keratoplasty
- Evaluation & management of chemical burns with their visual outcomes in 100 cases
- Evaluation of incidence and causes of raised IOP in Post-Operative penetrating keratoplasty
- Cross sectional study of the prevalence of retinal breaks and detachments among myopes and non-myopes in tertiary care hospitals

Orthopedics

- Analysis and formulation of management protocol for cranio-vertebral congenital anomalies.
- Sever spine deformity correction
- Radiological evaluation of dimensions of lateral mass of atlas vertebrae in relation to screw trajectory and possible violation of proximal and distal surfaces
- Clinico-radiological association of spine tuberculosis

- Analysis of outcome of reduction screws in c1-c2 subluxation or dislocation
- Predictors of outcome of surgery in lumbar canal stenosis
- Study of causes and cures flexion deformity in postoperative cases of total knee arthroplasty
- Comparison between functional outcome in bipolar hemiarthroplasty and THR in transcervical neck femur fracture in 50-70 yrs age group
- 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
- 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 scan glenoid morphometry in context with reverse Shoulder arthroplasty
- Radiological and functional outcome of conservatively Managed clavicle fracture
- A study comparing two different strategies for proximal tibia Fracture fixation: plating vs ilizarov fixator
- Comparative study between 2 methods of patella fixation: percutaneous v/s open reduction & internal fixation
- Comparative study between conservative and operative management in extra articular distal end radius fracture
- Comparison of functional outcome of surgical treatment of intertrochanteric fracture in osteoarthritis knee and non-Arthritic knee
- Incidence of metal hypersensitivity in total knee replacement Patients
- Radiological assessment of collapse in cases operated distal end radius fractures following close reduction and k- wire fixation
- Functional and radiological outcome of fixation in Transcervical neck of femur fracture
- Short term results of endoscopic discectomy
- Functional outcome of mini open rotator cuff tear repair Augmented with fibrin clot
- Role of PET CT in evaluation of status of healed lesions in Spinal tuberculosis
- Clinico-radiological and functional outcome of Multiligament reconstruction of knee: a retrospective study
- Role of somatosensory evoked potential in cervical myelopathy pre op and post op
- Short term radiological and clinical outcomes of Indian Uncemented bipolar hemiarthroplasty

Pathology

- 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

Collaborator

- Tata memorial Hospital, Mumbai

Pediatric Anesthesia

- Effect of pre- operative education on anxiety in children undergoing daycare surgery
- PI as a predictor of working paediatric caudal block
- Evaluation of New born 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 Paediatric Regional Anesthesia in a tertiary Care Hospital
- Use of the oxygen reserve index to assess two methods of rapid sequence induction in children – a pilot study
- Perceptions and Practices of rapid sequence induction in paediatric population among anaesthesiologists- A Nationwide Survey
- Feasibility and efficacy of low flow Sevoflurane anesthesia administered through facemask during MRI in children
- Cascade sign for optimal positioning of central venous catheter tip using ultrasound: a prospective pilot study.
- Central venous access requisition using Google Forms - A feasibility and feedback survey.
- Serial gastric volumes in children
- Accuracy of agent prediction tool of Drager Perseus A 500 anaesthesia workstation: A pilot observational study.

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' and submission of amended copy of protocol
- 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
- Laparoscopic management of Paediatric Intraabdominal cystic lesions
- Current scenario of Minimal Access Surgery in Paediatric Surgery in a tertiary care centre

Pediatrics

- 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 Pediatric age group
- Clinico-etiological profile and complications of Chronic Kidney Disease in children.
- Clinical profile of Pediatric dengue fever at a tertiary care hospital
- Drug Utilization study in Pediatric intensive care unit of a tertiary care hospital.
- To study the pulmonary function tests in Thalassaemia major children and to determine the pattern of respiratory impairment in children aged 8 to 12 years and its correlation with serum ferritin level.
- Clinico-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 anemia.
- 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 clinico-radiological correlation of computed tomography (CT) brain in children aged between 1 month to 12 years.
- Reliability and reproducibility of tuberculin test in diagnosis of childhood tuberculosis.
- Delayed medical attention in monsoon related illnesses: Causes, risk factors and impact on outcome.
- Etiology, patterns and trends of poisoning and animal bites in children.
- Effect of infant feeding practices on growth.
- Emotional intelligence of students with specific learning disabilities.
- An observational study of the risk factors for occurrence of febrile seizures and its recurrence in children.
- Economic burden of Gaucher disease in a tertiary care hospital.
- Use of non-invasive ventilation in a tertiary care pediatric intensive care unit.
- To study the efficacy of chelation therapy on serum ferritin level in pediatric thalassaemia patients aged between 18 months to 12 years
- A retrospective study of etiological profile, treatment modalities and outcome of West Syndrome in children
- Study of Clinico-etiological correlation of partial seizures in children between 1 to 12 years
- Patterns and outcome of patients admitted to Pediatric Intensive Care Unit in a tertiary care centre.
- drug utilization in selected clinical care setting of a tertiary care teaching hospital.
- Therapeutic Drug Monitoring (TDM) of Levetiracetam to individualize drug therapy in patients with epilepsy
- Efficacy and safety of Rotavirus vaccine (Phase III) Trial) (Sponsor PATH).
- Therapeutic drug monitoring (TDM) of Levetiracetam to individualize drug therapy in patients with epilepsy

Collaborators

- PATH
- GSMC MRU

Pharmacology and Therapeutics

- Evaluation of anti-depressant and anxiolytic effect of minocycline in alcohol abstinence induced depression model in mice

- 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 biomimetic scaffold & gel in the treatment of bone defects in rabbits
- 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
- Evaluation of effect of Acamprosate in animal models of Epilepsy and Epilepsy induced Depression.
- Evaluation of the effect of *Rubia cordifolia* on angiogenesis and wound healing
- Evaluation of the protective effects of *Aegle marmelos* and *Phyllanthus emblica* in an animal model of intestinal mucosal barrier dysfunction
- Evaluation of the effect of pregabalin in Monosodiumiodo-acetate induced osteoarthritis in wistar rats
- Experimental study to evaluate the effect of Niacin in chronic unpredictable stress induced depression in Wistar rats
- Evaluation of Drug use Pattern, Adherence to Treatment Guidelines and Awareness of Lifestyle Modification in PCOS Patients: An Observational study
- Evaluation of neuroprotective effect of metformin in 6-OHDA induced Parkinson's Disease in wistar rats
- An analysis of Medical Post- graduate thesis registered in the Clinical Trials Registry of India in the year 2018
- To evaluate the efficacy of nanoparticles studded electrospun nanofibres on wound healing in a streptozotocin induced diabetic rat model
- Treatment awareness, adherence and variation in prescription pattern in COPD patients: A cross sectional questionnaire-based study
- Evaluation of Minocycline in Post-traumatic stress disorder induced in wistar rats with alcohol use disorder
- Mass Spectrometry based early detection of potential biomarkers for cervical cancer in Indian women.
- 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 anti-platelet effect of Ticagrelor 90 mg (generic) in comparison with Brilinta (Astra Zeneca); alone and in combination with aspirin 75 mg: An in vitro study
- Safety and Efficacy of Lipiodol® Ultra Fluid in Association with Surgical Glues during Vascular Embolization, a phase IV study
- Evaluation of the role of capsaicin on intestinal permeability, visceral hypersensitivity and gut TRPV1 receptors in patients with irritable bowel syndrome
- Evaluation of anti-atherosclerotic effect of gold nanoparticulate ethanolic extract of *Lagenaria siceraria* (EELS) in hyperlipidemic diet induced atherosclerosis in mice model
- Evaluation of *Celastrus paniculatus* and Memantine on ethanol preference and decision making in alcohol dependent C57BL/6 mice
- Evaluation of protective effect of Metformin on beta-amyloid induced amnesia in Wistar rats
- To assess the knowledge, attitude, treatment and effect of knowledge reinforcement programme in patients with diabetes mellitus
- Evaluation of prescription patterns, adverse drug reactions and awareness of drug treatment in patients of Schizophrenia
- Evaluation of prescription pattern of drugs in paediatric cancer patients in a tertiary care hospital: An observational study
- Drug Use Evaluation of Cephalosporins in a Tertiary Care Hospital
- 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 neuro-protective effect of S-adenosyl methionine (SAM-e) in 6-Hydroxydopamine (OHDA) induced Parkinson's disease in Wistar rats
- Evaluation of the role of *Withania somnifera* and *Celastrus paniculatus* in animal models of alcohol addiction
- 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.

- Impact of introduction of e-EC software for ethics committee functioning: An audit
- An observational study to assess completion reports for compliance of research proposals to the institutional ethics committee approved protocol
- Evaluation of the effect of Elettaria cardamomum and minocycline on post-traumatic stress disorder model of golden Syrian hamster
- Role of legal expert in the Research Ethics Committees: A questionnaire-based survey
- Evaluation of the effect of Pregabalin in Monosodiumiodo-acetate induced osteoarthritis in wistar rats
- Characterisation of Biofilm forming micro-organisms from clinical specimens and its evaluation by Ayurvedic formulations on Biofilm production
- Evaluation of the effects of Myostaal forte and Vishesha Shodhit Guggul on gastro-intestinal mucosa in experimental rats
- Evaluation of the effect of an Ayurvedic Formulation Myostaal Forte Tablets on chondroprotective biomarkers in an experimental model of osteoarthritis in rats

Physiology

- 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 18-35years
- To study the perception of first year undergraduate students towards mentor mentee program
- Direct observation of teaching skills in physiology Post graduate students
- 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
- 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

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
- Effectiveness of peer-led approach to case-based learning in physiotherapy education with respect to composition of groups
- 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 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 Lumbopevic 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 patient satisfaction with pain and function in patients with total knee replacement post six months
- Comparison between effectiveness of glenohumeral and scapulohumeral muscle retraining exercises on pain and grip strength in subacromial impingement syndrome
- Assessment of posterior capsule tightness in middle age patients with partial thickness rotator cuff tear and age matched control on dominant side
- Comparison of effectiveness of passive hamstring stretching technique and neurodynamic sciatic nerve sliding technique on knee extension angle in low back pain patients
- Correlation of smart phone use with cervical joint position sense and craniovertebral angle in young adult with chronic neck pain
- Comparative study of effectiveness of open and closed kinetic chain exercises on pain, function and strength in patients with knee osteoarthritis
- Comparison of high intensity and low intensity surged faradic neuromuscular electrical stimulation on pain and function in patient with knee osteoarthritis
- Correlation of hamstring tightness with tibial torsion and foot posture in young adults
- Effect of self -stretching of lumbo pelvic muscles on pain, Range of motion and function in patients with chronic low back pain
- Correlation of severity and disability of pain and scapula posture in neck pain patients
- Correlation of laterality, discrimination task with cervical joint position sense and pain in patients with chronic nonspecific neck pain
- Association between fear avoidance belief, neck disability and pain in patients with chronic nonspecific neck pain
- Correlation between functional ability and fear of fall in knee osteoarthritis patients
- Effect of Rotator cuff pathology on scapulohumeral rhythm in arm elevation
- Comparison of Cervical proprioception and simple reaction time in subjects with brachial plexopathies and healthy adults
- Correlation of head posture, deep cervical flexor muscle endurance and simple reaction time in healthy young adults
- 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
- Comparison between Proprioceptive Neuromuscular Facilitation technique and conventional exercise on trunk and hand use in children with cerebral palsy
- Comparison between Proprioceptive Neuromuscular Facilitation technique and conventional exercise on trunk control and balance in children with cerebral palsy
- Correlation of hand laterality judgment and manual hand dexterity in elderly
- Correlation of working memory and dual tasking in elderly

- Immediate effect of ankle and foot kinesio taping on balance and functional mobility in subject with stroke
- Immediate effect of kinesio taping on upper extremity functions in subjects with stroke.
- Association of patient perceived quality of life, depression and duration with severity of facial paralysis in subjects with lower motor neuron facial palsy
- Correlation of lower extremity coordination and speed of walking in elderly
- Correlation of pediatric clinical test of sensory interaction of balance and visual classification scale in children with cerebral palsy
- Correlation of postural control with fear of fall in healthy elderly
- Effect of kinesio taping on hand function in subjects with stroke
- Correlation between visual classification scale score and pediatric reach test distance in children with cerebral palsy
- Comparing Blood pressure response to sitting with legs crossed at knee level and standard method in Hypertensive and normotensive individuals
- Hemodynamic 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
- Effect of a structured education programme on the knowledge and attitude about cardiac health, physical activity and exercise in parents of children with congenital heart disease
- Effect of structured home-based functional training programme on the six-minute walk test and quality of life in patients with heart failure- a randomized control trial
- Correlation of one-minute sit to stand repetition and six-minute walk distance in healthy adults.
- Immediate effect of proprioceptive neuromuscular facilitation of respiratory muscles on forced vital capacity and chest expansion in subject with interstitial lung disease
- Effect of kinesio taping on pain, chest expansion and PEFr in chronic obstructive pulmonary disease with intercostals muscle training
- Effect of transcutaneous electrical nerve stimulation on chest expansion and PEFr in post CABG patients
- Comparison of effect of flow and volume incentive spirometry on peak expiratory flow rate and single breath count in post sternotomy
- Agreement between VO₂ Max estimated from six-minute walk test and Chester step test in normal adults
- Comparison of pulmonary functions in young adults with and without forward head posture
- Comparison of six-minute walk test distance among obese subjects with apple and pear-shaped body fat distribution
- Two-minute step test: estimation of reference values in healthy adults
- Perception of patients on long term oxygen therapy about participatory roles and daily activities and quality of life

Plastic Surgery

- Study to assess awareness about Breast reconstruction
- Accurate estimation of hand surface area for burns
- Study to assess quality of life in burns survivors
- Measurement of two-point discrimination in hands in adult Indian individuals

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 study on experience of subjects attending Alcoholics anonymous group
- 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 of dyadic effects
- 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 out-patient department in a tertiary care centre
- A study of subjective illness experience, self-identified causes, help seeking behaviour and stigma in patients with opioid addiction
- 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
- Comparative study of coping in patients with eating disorders
- A Retrospective Analysis of Psychopathology in Children and Adolescents with Refractory Epilepsy before Epilepsy Surgery
- A cross sectional study on prevalence of gaming disorder and correlation of self-esteem, parenting style, perceived stress and sleep quality with gaming in college students
- Study of Suicidality, Clinical profile and Quality of life in patients of Early Onset Schizophrenia
- A Cross Sectional Study of Impact of Nicotine Dependence on Psychopathology, Quality Of life And Cognitive Impairment in Patients with Schizophrenia
- A Qualitative Study on Understanding Sexuality, Sexual Functioning and Marital Relationships in Women with Schizophrenia
- A Cross Sectional Study of Depression, Perceived Stress, Self Esteem and Sleep Quality among the Women with Infertility
- Study of Factors Associated with Functioning in Patients with Major Depressive Disorder
- A Cross Sectional Study of Depression, Self Esteem, Body Image Disturbances and Quality of Life in Patients of Psoriasis
- Assessment of stress levels, anxiety and depression in parents of children with autism
- Study of co-dependence in primary caregivers and its association with relapse in patients with alcohol dependence
- Study of knowledge, attitude and practice among caregivers of patients with substance use disorder

Surgery [General Surgery]

- Comparative study between laparoscopy guided TAP block with Rectus block for post-operative analgesia in laparoscopic ventral hernia repair using 0.25 % bupivacaine: A randomised controlled trial.
- Endoscopic anterior component separation with IPOM plus for large ventral hernia repair
- Comparative study between ETEP and TARM for medium sized ventral hernia repair

Surgical Gastroenterology

- Study of Outcome of Corrosive Stricture of esophagus
- Factors affecting Regeneration of Liver-Post Liver Resection
- Evaluation OF Effect of Octerotide On Pancreatic Texture in Patients Undergoing Pancreatico-Duodenectomy
- Evaluation of the Outcome In patients with chronic pancreatitis undergoing Frey's Procedure and Subjective and Objective Improvement Post-procedure

- Lymph Node Mapping in Patients OF Carcinoma Colon
- Outcome of Patients with Carcinoma Gall Bladder
- Assessment of Pulmonary Function after Laparoscopic Heller's Cardiomyotomy in patients of Achlasia Cardia
- Changing Trends in Carcinoma Gall-Bladder
- Long Term Follow-Up of Patient of Choledochal Cyst
- Study of functional and Morphological changes in cases of Biliary Stricture
- Study of Increased Biliary Amylase Level in Patients Carcinoma Gall Bladder
- Developing Serum Markers to Predict Colonic Malignancy
- Delayed Gastric Emptying time
- Clinical Applications of Monocyte derived 'Neo-Hepatocytes

Collaborators

- ICMR
- National Institute of Immunology

Transfusion Medicine

- To determine the prevalence of variant A antigen among donor and patient population in a tertiary care hospital in Western India
- Assessment of impact of educational intervention on transfusion practices in general medicine
- Screening for Thalassemia in Antenatal women in a Tertiary Care Hospital
- An assessment of adverse donor reactions during voluntary donation of whole blood
- The study of clinical and Immuno-haematological profile in patients of autoimmune haemolytic anaemia

Urology

- Emphysematous pyelonephritis
- AKI in ureteric calculus
- Diet in stone patients
- Study to assess the outcome of ERAS in operated patients of radical cystectomy with ileal conduit
- Outcome of dorsal buccal mucosal graft urethroplasty in female urethral strictures
- Study to assess super- added calculi over retained ureteral stents
- Study of natural history, clinical presentation, modes of management and role of tacrolimus in stricture urethra
- Study of radiation cystitis in Indian population
- Renal transplant pre n post op evaluation
- Study of Mt DNA mutations in bladder cancer
- To evaluate Osteopontin as predictor of stone formation by its quantification in the urine of healthy volunteer and stone forming patient
- In vitro and in vivo functions of cell surface estrogen receptors in prostate cancer
- Comparison of length and volume of testis as a parameter for assessing semen analysis among infertile patients
- Study the prevalence of urolithiasis, impact of intervention and factors affecting outcome in patient of CKD
- Mutations in ca bladder - a retrospective pilot study
- PSP94 as an adjunct marker for serum PSA
- A study to assess the role of percent free PSA, PSA density and PSA velocity for prostate cancer detection
- Prevalence of LUTS and PVR in ambulatory relatives aged 45 years and above visiting hospital
- To speculate nomograms of pediatric UFR

In the Limelight

In the Limelight

Anesthesia

Public awareness activities organized

- COLS (Compression Only Life Support) on 10th February, 2019 at Goa
- COLS on 16th October, 2019. Venue - KEM Hospital, outside casualty
- COLS Program opposite Taraporewala Aquarium, Near Chowpatty on 16th October, 2019
- COLS program in New building, KEM Hospital on 16th October, 2019
- COLS demonstration in front of Rajabai Tower on 17th October, 2019
- Media coverage for COLS by Dr. Aarti Kulkarni etc. from 17th September, 2019 till 16th October, 2019 on 'Youtube Channel' 'Mast Marathi katta'. Article in Marathi newspaper Loksatta regarding COLS on 18th October 2019.
- Interview on Radio channel (FM Rainbow) by Dr. Aarti Kulkarni giving information about COLS on 13th October, 2019
- COLS on 08th December, 2019 at Shivaji Park



Cardiology



Chest Medicine and Environmental Pollution Research Center

- Dr.Amita Athavale (Professor & Head) was invited as an expert on DD Sahyadri Channel 12/04/19



- Article published in Loksatta Newspaper on 09/04/19



- Article published in the Hindu Newspaper on 07/05/2019



Clinical Pharmacology



Awards won at SACACCP Conference

ENT

- Former Australian cricketer Brett Lee interacted with the child operated for bilateral cochlear implant at KEM hospital



- SAAMNA (04-03-2019), LOKMAT (05-03-2019) published an article about a 48days child with cleft lip and ASD who was operated for choanal atresia by Dr. Nilam Sathe
- TARUN BHARAT (08-04-2019) published about the Removal of Giant salivary gland stone done on OPD basis by Dr. Nilam Sathe



- Dr. Nilam Sathe was invited on RED FM 93.5 Radio on Common cold & Allergic Rhinitis on 28th September 2019
- Dr. Nilam Sathe was invited on NEWS 18 INDIA (26-01-2019), NEWS 18 Rajasthan (4-2-2019)- Khabar pakki hai, Pinna infolding



Forensic Medicine





Medicine

Dr. Shraddha More was guest speaker

- at National Television Doordarshan in Sakhi Sahyadri show on topic –Steroid abuse awareness
- at National Television Doordarshan in Sakhi Sahyadri show on topic –Nipah virus awareness
- Guest speaker at National Television Doordarshan in Arogyasampada show on topic –Monsoon illness awareness

Neurosurgery

- Prof. Atul Goel - Live surgical demonstration from Mumbai for World brain tumor course in London. 12-15th July 2019.
- Prof. Atul Goel - Live surgery on AVM and honored guest at NIMHANS Bangalore September 20, 2019
- Prof. Atul Goel - Two articles in the top 50 most cited articles on craniovertebral junction surgery. Publication in *Journal of Craniovertebral junction and Spine*. 2017, which was ranked 2nd in ‘The most influential publications in odontoid fractures; World Neurosurgery 2019
- Dr. Nitin Dange - Inauguration of Comprehensive Stroke Center

Occupational Therapy

Prof. Jayashri Kale was Interviewed on Door Darshan DD Sahyadri – on Hemophilia Day, sharing information on hemophilia care.

Orthopedics

- Apart from participating actively in various regional, national and international conferences the department has started its own academic courses in different sub- specialities of orthopaedics.
- Department has started UG orthopaedics Quiz.

Pathology

- On 3rd -5th October 2019, 'Liver Pathology-International update 2019' conducted by entire Pathology faculty at Seth GSMC & KEMH, Mumbai which was attended by over 250 delegates.
- Regional and State rounds of Intercollegiate Under Graduate quiz in Pathology were organised on 25/8/2019 and 1/10/2019 respectively, conducted by Dr Kanchan Kothari & Dr Pragati Sathe. GSMC students Soumitra Ginodia & Manish Talkar (UG students) won the second prize at all India level at Bhopal.

Pediatric Anesthesia

- The department of Paediatric Anaesthesia celebrated its 1st Anniversary on 8th April 2019 followed by short focused workshop on midline insertion

Pediatric Surgery

- Modular OT set up fully operational & daily in use
- Aesculap 3D Laparoscopy Set which is the first in Govt. Institute in Maharashtra to be fully operational

Surgery [General Surgery]

- Dr Abhay Dalvi was elected as the Vice-President (2020) and President (2021) of the Association of Surgeons of India

Urology

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

Undergraduate Student Excellence

- Water Colour painting of the Institute by undergraduate student Kingshuk Sircar



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

- Improve laboratory services by stepping stone on the path of quality, by NABL accreditation of laboratory services
- Patient Care: Collateral implementation of LIMS/HIMS for improvement of turnaround time and easy accessibility of patient data; To procure high throughput analysers for enhancing patient services
- Education: Implementation of CBME along with AETCOM; Devising newer approaches for SDL, Introduction of ECE to facilitate better correlation of basic sciences with clinical subjects; To sustain vertical & horizontal integrated teaching
- Research: Conducting research and to collaborate with national and international agencies to diversify and upgrade research activities

Cardiac Anesthesia

- Improvement in academics and infrastructure of the department for better health care management and simultaneous education of young minds
- 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

- Establishment of DM (Pulmonary Medicine) and Diploma in Allergy & Immunology. Dept. of Pulmonary Medicine has undergone two inspection for DM affiliation.
- Research - To develop breath analysis as non-invasive diagnostic modality.
- National environmental Lung Health Institute transdisciplinary translational approach to lung health.
- Establishment of genetic Lab (molecular diagnostic)

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.

Dermatology, Venerology and Leprosy

- Strengthening services in dermatosurgery with facility of a minor operation theatre for performing small day care surgeries.
- Strengthening of Dermatosurgery services including Hair transplantation, SMASH Technique (vitiligo surgery), cosmetic surgery like thread lifts, botox.
- Conducting term exams for residents.

Dentistry

- Dental management of haemophilia patients.
- Dental camp in municipal school children.
- Renovation of entire Dental department with centralised AC.
- Awareness about hazards of tobacco use 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 programmes 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

- Fellowship in Otolaryngology and FESS
- Fully Airconditioned 50 seater Seminar hall under renovation
- To develop surgical skill development lab in collaboration with Forensic Medicine and Pathology Department

Forensic Medicine

- Increasing PG seats and recognition.

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.
- Set -20°C & -45°C temperature deep freezer.

Hematology

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

Microbiology

- Providing TB culture and drug susceptibility test services
- Procuring state of the art blood culture system
- Identifying bacteria within minutes with MALDI-ToF MS system
- Providing drug resistance TB detection using molecular platform/s

Neonatology

- Preparation of the guidelines on the management of neonatal diseases.
- Initiation of Community based Kangaroo Mother Care.
- Up gradation of Human Milk Bank.

Nephrology

- To expand the deceased donor renal transplantation program
- To expand CAPD services
- Plan for a Paediatric Nephrology clinic
- Establish Maintenance Haemodialysis Unit
- To introduce certificate course in acute dialysis for dialysis nurses and technicians
- To establish 2 units in Nephrology Department
- Computerization of Nephrology records

Neurology

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

Neurosurgery

- Plan to develop state of art recovery room for neurosurgical patients.

Occupational Therapy

- Future plan of department categorized into:
- Patient care: 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 70 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. Additionally, we are encouraging ultra early intervention of high risk babies through Neonatal Therapy through National Medical College Network.
- Education: We wish to develop E-learning programs for distant learning and education. We also wish to start an integrated Masters Program and Short Certificate Courses at the University Level.
- Research: The objectives of research have always been a part of the student programs. We look forward to collecting data for standardizing scales on the Indian population in different fields of Occupational Therapy for the purpose of assessment & intervention.
- Campus and Infrastructure: Renovation of the department portraying the specialty areas developed in the past years, incorporating the facility of internet and intranet at Occupational Therapy Department. We will soon having high tech driver simulation and visual rehabilitation unit in the year 2020.

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.
- 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.
- Virtual class room for II MBBS
- Modernization of museum.

Pediatric Anesthesia

- Setting up of paediatric acute pain management services
- Planning to conduct a CME and workshop on paediatric regional blocks on February 2020
- Ongoing research projects have been listed above.
- Request for faculty rooms and seminar room has been made.
- Proposal for new equipment (EZIO- interosseous access device, MRI compatible laryngoscopes, USG machine) has been sent.

Pediatric Surgery

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

Pediatrics

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

Pharmacology and Therapeutics

- Is preparing 6 online training modules for the Indian medical graduate under the ICMR task Force Project on Rational Use of Medicines'

Physiology

- We intend to develop an efficient Exercise Physiology laboratory
- To acquire & upgrade existing equipment's 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

- Project – Drug Treatment Centre (DTC) Scheme, Treatment of Substance Use Disorders in India by MOHFW
- Deaddiction Centre of Department of psychiatry is a Regional Resource and Coordination Centre for the DTC Scheme of Ministry of Health and Family Welfare. In addition to the 3 DTCs started in 2016, 2 DTCs were established in Surat and Goa in 2017. Feasibility assessment visits were conducted for 3 more centres at Nagpur, Dhule and Ahmedabad. Two more DTCs are planned in the southern region and a total of 5 new DTCs will be established in the coming year. Induction Training for the newly recruited staff will also be conducted.

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 Haemovigilance programme of India constituted by National Institute of Biologicals, Ministry of Health & Family Welfare, Govt. of India and upload all the Donor Adverse Reactions and Transfusion Reactions in the website

Urology

- Sanction purchase of cutting-edge Robotic system to boost Minimal Invasive Surgery programme in Dept of Urology, KEMH.
- Laser Prostate surgery, May-2020
- Demonstration of Xi Robotic platform

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:

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

In the Year 2019, total 04 meetings of the Academic Committee were conducted.

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

1. Pertaining to the Educational Programme:
 - a. The overview of the New Competency Based Curriculum for Undergraduate Medical Education was presented by Dr. Munira Hirkani & Dr. Praveen Iyer.
 - b. The various subcommittees for this programme were formed under the guidance of the Academic Dean, Dr. Milind Nadkar.
 - c. The first part of the curriculum i.e. the Foundation Course was started in August 2019 & was successfully conducted by the 3 Departments of Anatomy, Biochemistry & Physiology, & Dr. D. N. Shenvi was the coordinator for the same.
2. Postgraduate Resident related issues:
Postgraduate Resident are given counseling as and when necessary. Head of Department are also involved in assessing their wellbeing on a regular basis.
3. Academic Committee was updated about two programmes which have been approved by MCGM:
 - a. Ways & Waves for UG & PG students
 - b. Heartfulness Programmes for employees – Medical & Non – Medical Staff
4. Miscellaneous issues:
Dr. Aparna Deshpande informed that 04 IIIrd year students were not permitted to appear for term exam due to absenteeism. Students with attendance shortfall were given permission after considering their explanations regarding the same.

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.

Sr. No.	Name of IAEC Member	Position on IAEC	Department	Gender
Institutional Members				
1.	Dr. Sandhya Kamat	Chairperson	Pharmacology & Therapeutics	F
2.	Dr. Priyanka Prasad	Scientist from different biological discipline	Microbiology	F
3.	Dr. Shruti Bhide	Member Secretary	Pharmacology & Therapeutics	F
4	Dr. Yogesh Wankhede	Veterinary officer in charge of animal facility	Pharmacology & Therapeutics	M
Non-institutional Members				
1.	Dr. Rahul Thorat	CPCSEA Nominee	Scientific Officer D, ACTREC, Navi Mumbai	M
2.	Dr. Vinita Kulkarni	Link Nominee	Veterinary Docor, Mahim Pet Clinic, Mumbai	F

3.	Dr. Sangram Chavan	Scientist from outside the institute	Department of Pharmacology and Toxicology, Bombay Veterinary College, Mumbai	M
4.	Mr. Sunish Kunju	Socially aware Member	Plants and animal welfare society Mumbai	M

- Meetings held in 2019: 02 (22nd June, 12th October)
- New projects submitted in 2019: 10
- Ongoing projects: 16

Department Development Fund

The following activities are carried out by the trust:

Patient Care

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

Education

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

- Orthopedics: “KEM Trauma and life Support Course” on 2-3rd February 2019.
- Orthopedics: “PG training course” on 22-24th February 2019.
- Gastroenterology: Advanced Imaging (NBI) in Gastroenterology to be held on Jan 26th 2019.
- Pediatrics: “Pre-conference workshop on Genetics on 6th Feb 2019.
- Nephrology: CME on “Best Practices in Hypertension 23rd June 2019.
- *Microbiology*: CME on “Laboratory Diagnosis of Tuberculosis-An Update” on 22nd March 2019.
- Endocrinology: “Ped-Endo CME” scheduled on 14th April 2019 in Thane.
- Pediatric Anesthesia CME on “Pediatric Airway and Mechanical Ventilation on 30th June 2019.
- Orthopedics: “KEM Pelvi-Acetabular Course” from 14th to 16th July 2019.
- Orthopedics: “KEM ELBOW Course” from 1st to 3rd October 2019.
- Orthopedics: “KEM Shoulder Course” from 15th to 17th November 2019.
- Orthopedics: “KEM Arthroscopy Course” from 8th to 10th December 2019.
- Pharmacology & Therapeutics: Basic Workshop in Research Methodology and Good Clinical Practice.
- Nephrology: CME on “Best Practices in Hypertension 23rd June 2019.
- Surgery: Conference on “Laparoscopy Surgery” on 14th and 15th September 2019.
- *Bio-chemistry*: 15th Good Clinical Laboratory Practices (GCLP) workshop to be held from 6th August to 8th August 2019 and 8th January 2020.
- *ENT*: 16th Symposium on Laryngotracheal stenosis surgery on 10th July 2019.
- *Urology*: Conference on “Laparocon” on 16th & 17th August 2019.
- Pathology: CME on “Liver Pathology: International Update 2019 from 3rd to 5th October 2019.
- Surgery: Workshop on “Regional Refresher course from 20th September to 22nd September 2019.
- Anesthesia: CME on “Emerging Trends in Anesthesia” on 5th August 2019.
- Clinical-Pharmacology: Workshop on “Canvas of Clinical Pharmacology Workshop” from 6th January to 10th January 2020.

Research

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

Sr. No.	Department	Project Name	Sponsors Name
1	Psychiatry	Protocol A7501012-1018: “A randomized, placebo-controlled, double-Blind trial of asenapine in the prevention of relapse after long-term Treatment of Schizophrenia”.	Pfizer Limited
2.	Hematology	“Randomized, open label, multicenter phase IIIb study evaluation the efficacy and safety of ruxolitinib versus best available therapy in patients with polycythemia vera who sre hydroxyurea resistant or intolerant (Response 2)	Novartis Oncology
3.	Clinical Pharmacology	HEOR Project “Desk Review for WHO on Clinical Trials”	Pfizer Ltd.

4.	Endocrinology	Cardiovascular outcomes A trial investing the cardiovascular safety of oral Semaglutide in subjects with type 2 diabetes. Trial ID: NN9924-4221.	Novo Nordisk India Pvt. Ltd.
5.	Gastroenterology	A Prospective, Multi-Centre, Double -blind, Randomized Trial of Saroglitazar 4 mg versus Placebo in patients with Non-Alcoholic Steatohepatitis”.	Cadila Health Care Ltd
6.	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	Eyepoint Pharmaceuticals Inc.
7.	Endocrinology	“Effect and safety of semaglutide once-weekly versus insulin aspart three times daily, both as add on to metformin and optimized insulin glargine (U100) in subjects with type 2 diabetes. Trial ID: NN9535-4386.	Novo Nordisk India Pvt. Ltd
8.	Neonatology	“NeoOBS: NEOAMR Global Neonatal Sepsis Observational study”.	ICMR, New Delhi, DNDC
9.	Hematology	Safety of turoctocog alfa for prophylaxis and treatment of bleeding episodes in previously treated patients with moderate or severe Haemophilia A in India. (Protocol ID: NN7008-4304)	Novo Nordisk India Pvt. Ltd
10.	Clinical Pharmacology & Nephrology	Association of genetic polymorphism of CYP3A5 with tacrolimus trough level and the graft outcomes in Indian renal transplant recipients”.	Panacea Biotec Pvt.Ltd
11.	Clinical Pharmacology	Study for” Evaluation of Genetic polymorphism of CYP3A5 in normal healthy participants of Western India-a cross sectional study”.	N/A
12.	Gastroenterology	Phase III, Randomized, Double-blind, Placebo-controlled, multicenter study to evaluate the efficacy and safety of Eytolizumab compared with moderate to severe active Ulcerative Colitis who are naïve to TNF inhibitors.	Genentech
13.	Gastroenterology	“An open extension and safety monitoring study of moderate to severe ulcerative colitis patients previously enrolled in etrolizumab phase II/III studies”.	Genentech
14.	Clinical Pharmacology	“Efficacy and safety of Gut Gard in patients with gastro-esophageal reflux disease (GERD) -A Phase III, single Centre, double-blind, parallel group, randomized placebo-controlled trial”.	Natural Remedies Pvt. Ltd
15.	Clinical Pharmacology	“A Phase 3, randomized, observer-blind, Controlled, Multi-center study to evaluate the lot to lot consistency of SIIPL meningococcal ACYWX conjugate vaccine (NmCV-5) and to compare its safety and immunogenicity with that of licensed meningococcal ACWY vaccine Menactra in healthy individuals 18-85 years of age”.	Serum Institute of India
16.	Endocrinology	Study for Range of salivary cortisol and Overnight dexamethasone suppressed serum and salivary cortisol in chronic renal failure patients.	N/A

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

- Gosumec Alumni Association: Document Scanning, Indexing DMS AMC charges of Rs.41,403/-.
- Gosumec Alumni Association: Contribution to renewal of Remotex software of Rs. 26,107/-.
- Clinical Pharmacology: Rs.50,000/- for printing and publication of KEM annual report through DDF General Fund.

Donation and Grants

Year Jan 2019 to December 2019.

Sr. No	Name	Income Donation/Grants
1.	Patient Care	44,12,800.00
2.	Research	92,80,025.00
3.	Training Programs/workshop	34,39,561.00
4.	Awards	8,480.00

Committees

Following work has been by DDF from 1st January 2019 to December 2019.

- Total Twelve meetings held throughout the year.
- Seven 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 2019 - 2022.

Managing Trustee: Dr. Hemant Deshmukh, Dean, Seth GS Medical College & KEM Hospital

Secretary: Dr. Rujuta Hadaye, *Treasurer:* Dr. Aparna Deshpande, *Trustees:* Dr. Sujata Patwardhan, Dr. Sandhya Kamat, Dr Vishnu Kanhere, Mr. Kishorekumar Mhatre, *Advisor:* Dr. RD Bapat, Dr. Lopa Mehta, Dr. Ravi Ramakantan

Activities of the trust

- Diamond Jubilee Society Trust was able to collect Rs.2,16,47,379/- of donations in the year (January 2019- December 19 inclusive of Foreign donations of Rs.15,45,278/- and Government Research Grant of Rs. 99,11,370/-). The donations are being used for the purpose stated by the donors.

Patient care

- Patient education programs of Patient Education Cell were supported.

Donation received for Department Development:

- A Donation of Rs. 6,26,270/- was donated by Resurge international towards needy patients of post burn contractures & provide financial help for reconstruction surgery for plastic surgery department.
- A Donation of Rs. 10, 12,197/- was donated by Maharashtra Foundation towards patients suffering from burn supporting development of burns units of Plastic surgery department of KEM Hospital.
- A Donation of Rs. 7,75,000/- was donated by Krishna Vrundavan Pratishtan towards purchase of various Equipments to Neonatology Department.
- A Donation of Rs. 20,000/- was donated by Jasantlal Sandesara towards donated for charitable purposes of the institute.

Medical education

- Financial support of Rs. 1,99,000/- was extended for 13 research projects undertaken by the postgraduate students & Rs. 3,42,500/- for 8 research projects undertaken by the Jr. faculty members.
- The students who have excelled in their academic career were awarded prizes and scholarships (n=53) 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:

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

Donation received for instituting award

- A Donation of Rs. 90,607/- was accepted from Dr. Ritabelle Fernades, Associate Professor JABSOM Department of Geriatric Medicine, University of Hawaii, towards instituting award 3rd MBBS (year1), Financial assistance in payment of medical education fees for a deserving, Divyang (Physically Challenged) medical Student.
- Donation for “Dr. Rui Feranendez’s Best Resident Award” for the student standing first in the Seth GS Medical College KEM Hospital at University examination in Dermatology
- A Donation of Rs. 5,00,000/- was accepted from Dr. Sujata Patwardhan, Professor, Department of Urology towards instituting award for the P.G. Urology student at GSMC & KEMH, in the name of Mr. Kiran Dinkar Patwardhan Gold medal award.
- A Donation of Rs. 3,10,000/- was accepted from Dr. D M Borkar, Ex HOD, Department of ENT towards instituting awards for Dr. Mrs. Indumati Padmakar Pradhan Borkar Award for the student standing first in the subject of Obstetrics - Gynecology in MBBS examinations at Mumbai University examination and Dr. Mrs. Beena Sharat Pandit Borkar Award for Student standing first at M.D. Ob-Gynacology examination at Mumbai University.

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

- 15th ‘GSMC FAIMER Regional Institute’ by the ME Unit on 15th to 24th April 2019.
- 8th MCI Advance Course Workshop held on 27th May 2019 to 3rd June 2019
- 12th Revised Basic Course Workshop on AT-COM Module held on 29th January 2019 To 1st February 2019
- 9th MCI Advance Course Workshop held on 25th November to 2nd December 2019
- 13th Revised Basic Course Workshop on AT-COM Module held on 25th to 28th June 2019 conducted by department of MET Cell
- Curriculum Implementation Support program (CISP) held on 4th to 5th February 2019 conducted by department of MET Cell
- Curriculum Implementation Support program (CISP) held on 13th to 15th February 2019 conducted by department of MET Cell
- Curriculum Implementation Support program (CISP) held on 20th to 22nd February 2019 conducted by department of MET Cell
- Curriculum Implementation Support program (CISP) held on 6th to 8th March 2019 conducted by department of MET Cell
- Curriculum Implementation Support program (CISP) held on 13th to 15th March 2019 conducted by department of MET Cell
- Curriculum Implementation Support program (CISP) held on 27th to 29th March 2019 conducted by department of MET Cell
- Curriculum Implementation Support program (CISP) held on 3rd to 6th April 2019 conducted by department of MET Cell
- Curriculum Implementation Support program (CISP) held on 16th to 18th July 2019 conducted by department of MET Cell
- Surgery Junior Resident Orientation Programme (SJROP-19) arranged from 16th August to 23rd August 2019. Conducted by department of Surgery.

- CPR Training Workshop conducted by department of Anesthesia Seth GSMC KEMH on 5th January 2019 for Physiotherapy/Occupational Therapy students & interns
- CPR Training Workshop conducted by department of Anesthesia Seth GSMC KEMH on 19th March 2019 for Physiotherapy interns.
- CPR Training Workshop conducted by department of Anesthesia Seth GSMC KEMH on 8th May 2019 for the First responder Course student from FWTRC, khetwadi, Mumbai
- CPR Training Workshop conducted by department of Anesthesia Seth GSMC KEMH on 24th July 2019 for General Surgery & Ophthalmology 1st year Residents.
- CPR Training Workshop conducted by department of Anesthesia Seth GSMC KEMH on 9th September 2019 for OBGY 1st year resident & on 21st September 2019 for Occupation Therapy
- CME on Tuberculosis-an update conducted by department of Microbiology Seth GSMC KEMH on 22nd March 2019
- CME on Perinatal Infection and prevention, conducted by Department of Obstetrics & Gynaecology on 27th February 2019
- CME on Managing Obstetric Emergencies, conducted by Department of Obstetrics & Gynaecology on 10th April 2019
- Research Methodology workshop conducted by Department of Obstetrics & Gynaecology on 16th to 18th July 2019
- FESS workshop 2019 conducted by Department of ENT on 16th to 18th August 2019.
- Neonatal ventilation workshop for the Clinicians & Resident Doctors” conducted by the Department of Neonatology on 17th to 22nd June 2019.

Discipline specific programmes

- Endoscopic & skull base dissection & demonstration conducted by Endoskullbase Trust and Anatomy Department on 27th January 2019
- Larynx dissection conducted by the Phonosurgery workshops trust and Department of Anatomy on 25th August 2019

Medical Research

- The Trust has received donations (Rs. 40,34,340/-) for research projects undertaken by various departments. In addition, it received funds from Government organizations towards research projects (Rs. 99,11,370/-)

Publication

- Annual Report of Seth GS Medical College & KEM Hospital-2019 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-2019)
- Maintenance of front lawn and garden in the KEM campus.
- Support for welfare activities of the institutional members (Women Development Committee)
- Support to develop Remotex software of the Institute
- Support to carry our activities as part of Foundation course
- Support to develop digitalization of the Institute
- Support for KEM EDU software renewal of the institute.

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).

- A. Courses conducted at the GSMC-KEMH-MCI Nodal Centre
 - o 12th Revised Basic Course

The “Twelfth Revised Basic Course” was conducted by the GSMC- KEMH-MCI Nodal Centre from 29th January – 31st January 2019. The participants were from the medical institutions in Maharashtra. A total of 17 participants registered. Of these, 1 from Valsad, 5 Dhule, 1 Dahanu, 3 Ahmednagar, 2 Aurangabad, 2 from Loni and 2 from Solapur. The designations were as follows:

- a. Professor & Head – 3
- b. Professor –6
- c. Associate Professor – 8

o Curriculum Implementation Support Programme (CISP-I)

The “Curriculum Implementation Support Programme” for In-house resource faculty of Department of Medical Education was conducted by the GSMC- KEMH-MCI Nodal Centre from 4th & 5th February 2019. A total of 17 faculty were trained. The designations are as follows:

- A. Professor & Head –2,
- B. Professor -2
- C. Professor (Addl.) – 5
- D. Associate Professor – 7
- E. Assistant Professor – 1

o Curriculum Implementation Support Programme (CISP-II)

The “Curriculum Implementation Support Programme” for Curriculum Committee members was conducted by the GSMC- KEMH-MCI Nodal Centre from 20th -22nd February 2019. A total of 30 curriculum committee members of affiliated colleges under GSMC-KEMH-MCI Nodal centre are trained. The designations are as follows:

- A. Professor & Head –7
- B. Professor - 8
- C. Associate Professor – 15

o Curriculum Implementation Support Programme (CISP-III)

The “Curriculum Implementation Support Programme” for faculty members was conducted by the GSMC- KEMH-MCI Nodal Centre from 6th – 8th March 2019. A total of 28 faculty members of GSMC-KEMH-MCI Nodal centre are trained. The designations are as follows:

- A. Professor & Head –5
- B. Professor – 3
- C. Professor (Addl.) - 4
- D. Associate Professor – 11
- E. Assistant Professor - 5

o Curriculum Implementation Support Programme (CISP-IV)

The “Curriculum Implementation Support Programme” for Curriculum Committee members was conducted by the GSMC- KEMH-MCI Nodal Centre from 13th – 15th March 2019. A total of 29 curriculum committee members of affiliated colleges under GSMC-KEMH-MCI Nodal centre are trained. The designations are as follows:

- A. Professor & Head – 12
- B. Professor - 8
- C. Professor (Addl.)– 3
- D. Associate Professor – 9

o Curriculum Implementation Support Programme (CISP-V)

The “Curriculum Implementation Support Programme” for Curriculum Committee members was conducted by the GSMC- KEMH-MCI Nodal Centre from 27th – 29th March 2019. A total of 30 curriculum committee members of affiliated colleges under GSMC-KEMH-MCI Nodal centre are trained. The designations are as follows:

- A. Dean/Principal – 2
- B. Professor & Head – 7
- C. Professor - 7
- D. Professor (Addl.)– 3
- E. Associate Professor – 9
- F. Assistant Professor – 2

o Curriculum Implementation Support Programme (CISP-VI)

The “Curriculum Implementation Support Programme” for Curriculum Committee members was conducted by the GSMC- KEMH-MCI Nodal Centre from 3rd – 5th April 2019. A total of 29 curriculum committee members

of affiliated colleges under GSMC-KEMH-MCI Nodal centre are trained. The designations are as follows:

- A. Dean/Principal – 4
- B. Professor & Head – 7
- C. Professor - 8
- D. Professor (Addl.)– 1
- E. Associate Professor – 8
- F. Assistant Professor – 1

o Curriculum Implementation Support Programme (CISP-VII)

The “Curriculum Implementation Support Programme” for Curriculum Committee members was conducted by the GSMC- KEMH-MCI Nodal Centre from 16th–18th July 2019. A total of 29 Participants of curriculum committee members of affiliated colleges under GSMC-KEMH-MCI Nodal centre are trained. The designations are as follows:

- A. Professor & Head – 3
- B. Professor - 3
- C. Associate Professor – 14
- D. Assistant Professor – 9

o 13th Revised Basic Course

The “Thirteen Revised Basic Course” was conducted by the GSMC- KEMH-MCI Nodal Centre from 25th June – 27th June 2019. The participants were from the medical institutions in Maharashtra. A total of 30 participants registered. Of these 7 were from GSMC, 4 from Mumbai (otherthan GSMC), 3 from Valsad, 4 Kolhapur, 8 Navi Mumbai, 1 from Dahanu, 3 Miraj. The designations were as follows:

- A. Professor & Head – 7
- B. Associated Professor – 10
- C. Assistant Professor – 13

o 8th MCI Advance Course in Medical Education

The “Eighth MCI Advance Course in Medical Education” was conducted by the GSMC- KEMH-MCI Nodal Centre from 27th May 2019 to 3rd June 2019. The participants were from the medical institutions in Maharashtra and Gujarat. A total of 25 participants had registered for the course. Of these, 5 were from Mumbai, 2 from Navi Mumbai, 4 from Valsad, 10 from Pune, 2 from Kolhapur, 1 from Solapur, 1 from Nashik.

o 9th MCI Advance Course in Medical Education

The “Ninth MCI Advance Course in Medical Education” was conducted by the GSMC- KEMH-MCI Nodal Centre from 25th Nov. 2019 to 2nd Dec. 2019. The participants were from the medical institutions in Maharashtra and Gujarat. A total of 24 participants had registered for the course. Of these, 7 were from Mumbai, 3 from Navi Mumbai, 2 from Kolhapur, 2 from Miraj, 2 from Solapur, 2 from Valsad, 1 from Aurangabad, 3 from Pune, 2 from Nashik.

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

1. Dr Anitha Ananthan, Associate Professor, Department of Neonatology
2. Dr. Trupti D. Ramteke, Assistant Professor, Department of Biochemistry
3. Dr. Pallavi Surase, Assistant Professor, Department of Microbiology

C. Revised Basic Courses and Curriculum Implementation Support Programs (CISP) conducted at the institutions affiliated to the GSMC KEMH MCI Nodal Centre with Observers from our Institute

Sr. No.	Name of Institute	Duration
1.	Rajashree Chhatrapati Shahu Maharaj Govt. Medical College, Kolhapur	17th to 19th July 2019
2.	GMERS, Valsad	29th to 31st July 2019
3.	B. K. L. Walawalkar Rural Medical College & Hospital, Sawarde, Dist – Ratnagiri	16th – 18th July 2019
4.	Vedantaa Institute of Medical Sciences, Palghar	28th – 31st Aug. 2019
5.	Government Medical College, Miraj	21st – 23rd Aug. 2019
6.	Prakash Institute of Medical Science and Reasearch, Islampur	11th – 14th July 2019
7.	Grant Government Medical College & JJ Hospital	27th -29th June 2019
8.	Rajashree Chhatrapati Shahu Maharaj Govt. Medical College, Kolhapur	11th -14th June 2019
9.	Topiwala National Medical College &BYL Nair Hospital, Mumbai	23rd-25th July 2019
10.	K.J. Somaiya Medical College & Research Centre	10th-12th April 2019

11.	MGM Medical College, Navi Mumbai	24th – 26th April 2019
12.	Lokmanya Tilak Municipal Medical College & Hospital, Sion, Mumbai	25th – 27th April 2019
13.	Grant Government Medical College & JJ Hospital	2nd – 4th May 2019
14.	B. K. L. Walawalkar Rural Medical College & Hospital, Sawarde, Dist – Ratnagiri	10th - 4th June 2019
15.	Hindu hridayasamrat Balasaheb Thackeray Medical College & Dr R N Cooper Municipal General Hospital, Juhu	18th -20th June 2019
16.	D.Y. Patil Medical College, Kolhapur	6th - 8th June 2019
17.	D.Y. Patil Medical College, Navi Mumbai	8th -11th June 2019
18.	BVDU Medical College, Pune	29th -31st July 2019

GSMC FAIMER Regional Institute - Under the Department of Medical Education

The Fifteenth GSMC FAIMER Regional Institute programme was conducted at Seth GS Medical College & KEMH, Mumbai from 15th April to 24th April 2019. A total of sixteen fellows from all over India and Malaysia participated in the programme. Ms. Snigdha Mukherjee, Director, Program Evaluation, FAIMER faculty, inaugurated the programme. The programme module consisted of different sessions. The following sessions were conducted by faculty from GSMC with co-faculty from other institutions for some of the sessions:

- Starting the Journey
 - Group Dynamics
 - FRI Learning
 - Difficult conversations
 - Introduction to Listserv
 - MBTI
 - Skill of change agent
 - GTP -Assessment and Application: Reliability and validity
 - Project Evaluation: Outcome, Programme Theory, Indicators, Planning Tools
 - Educational Research: Introduction, Qualitative Research, How to do Survey
 - Workplace based assessment
 - Distance learning and Use of technology in learning: E learning, Moodle, listserv, blogs
 - GTP Feedback
 - ML Web Assignment
 - Poster Session
 - Sustaining Change and Planning for Future
 - Mentoring Skills
 - Abstract Writing II
 - Professionalism
 - Inter-professional Education
 - Managing the monkey
 - Education Research Tools
 - Learning circles
 - There was an interactive poster session of 2018 and 2019 batches.
 - An online interactive workshop entitled, ‘Problem based learning’ was conducted by Dr. William Burdick, FAIMER Institute Philadelphia, on 21st April 2019 for year 3 fellows and faculty
- D. Contribution in Medical Council of India as member of Expert groups
- Dr. Munira A Hirkani - Contributed as expert to development of MCI booklet on “Early Clinical Exposure for Undergraduate Medical Education Program 2019”
 - Dr. Praveen B Iyer - Member of Expert group, Implementation and monitoring of Competency based UG curriculum and upload of yearly time table on college website
- E. **11th NCHPE 2019** (21st –23rd November 2019 at KLE Centenary Convention Centre, KAHER, Jawaharlal Nehru Medical College, Belagavi, Karnataka. Following members from Seth GS Medical College attended the conference:

Dr. Munira Hirkani	Facilitated Large group discussion on CBME
Dr. Santosh Salagre	Facilitated Full day workshop on Teaching -learning and assessment of AETCOM Competencies
Dr. Raakhi Tripathi	Facilitated Full day workshop on Teaching -learning and assessment of AETCOM Competencies

Publications

- Munira A Hirani, Early Clinical Exposure: Concerns and Challenges in AHPE News Bulletin, Volume 4 Issue 1, Jan-Jun 2019;4-7
- Dr Santosh B Salagre, Communication Skills, In: API Textbook of Medicine, 11th Edition, 2019, Chapter 10: 2404-2409

Dr. M.L Kothari Chair of Medical Humanities

A series of programs were held throughout the year

- Talk by a Guest Dr. Madhubala Joshi-Chinchalkar on Antarctica expedition on 23.1.2019 at 11.30a.m.
- Ascension –A step above 2019 was held between 14th to 16th March 2019 under the MLK chair of Medical Humanities.

The following prizes were given to winners as below

- Symposium Team of GMC Mumbai & Sir JJ gr of Hospital -Ms.V Uparkar – First prize Rs. 12000/-
- Symposium Team of Terna Medical College, Ms. S Chakraborty – second prize Rs. 8000/-
- Best speaker in Symposium Mr. Amogh Ratnaparkhi -Rs. 2500/-
- Photography First prize Rs. 1000/- Yash Kedia & second prize Rs. 750/- Bhumika Maru
- Essay First prize Rs.1000/- Sanvida Satpute & second prize Rs. 750/- Madhura Nagaonkar
- Art competition First prize Rs. 1000/- Prachiti Shetye & Second prize Rs. 750/-Neha Parikh
- Innovative ideas First prize Rs. 1000/- Arnab Tongaonkar & second prize Rs. 750/- Tuhina Mishra
- Quiz Competition First Prize Rs. 1000/- Kunal Marathe & second prize Rs. 750/- Dr. Hemant Morparia
- An Orientation on Stress and Anxiety Management by Dr. Shubhangi R. Parkar at MLT on 14.4.2019
- Manusmriti Oration was delivered by Dr. Avinash Supe on Value-Based Education 16.10.2019
- A talk on Laughter in Medicine was delivered by Dr. Medha Kamat on 9th July 2019
- Lecture on “Hospitals as Factories of Medical Garbage” by Prof. Sarah Hodges was held on 18.9.2019
- “Speed Reading Workshop” by Dr. Hozefa A. Bhinderwala and his team was held on 17.12. 2019 in MLT
- Meet Mr. Pravin Tulpule, the Naval Officer who quit his job to become a clown for cancer patients on 20.12. 2019
- Bombay to Bihar: My Journey of Attempting Change in Rural India by Dr. Taru Jindal on 26.12.2019
- Rs.20000/- was given to confluence 2019 for prizes.
- Rs.20000/- was given to Tedex for the extra-curricular activity of the students.

Gosumec Alumni Association

The office bearers and managing committee members of Gosumec Alumni Association for the year 2017-2019 are as follows:

Office Bearers:

- President - Dr. Hemant Deshmukh. Vice President - Dr. Sharad Gogate & Dr. Manjula Sarkar
- Hon. Secretaries – Dr. Ram Prabhoo & Dr. Gita Nataraj
- Hon. Jt.Secretaries- Dr. Sunil Puntambekar & Dr. Sandhya Kamat & Hon. Treasurer- Dr. NN Rege
- Managing Committee member
- 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

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

Office Bearers

- President- Dr. Hemant Deshmukh. Vice President - Dr. Sharad Gogate & Dr. Sandhya Kamat
- Hon. Secretaries - Dr. Ram Prabhoo & Dr. Gita Nataraj Hon. Jt. Secretaries - Dr. Mohan Khembahvi & Dr. Dnyaneshwar Kurle & Hon. Treasurer - Dr. Aparna Deshpande
- Managing Committee member
- Dr. Hetal Marfatia, Dr. Mridula Solanki, Dr. Nithya Gogtay, Dr. Ravindra Deokar, Dr. Nitin Dange, Dr. Shilpa Adarkar, Dr. Lopa Mehta, Dr. Malini Nadkarni, Dr. Nirmala Rege, Dr. Janak Shah, Dr. Pragji Vaja, Dr. Mahesh Abhyankar, Dr. Manju Sarkar, Dr. Ajay Tilwe, Dr. Vaibhav Dedhia & Dr. Sunil Puntambekar.

Activities

- 3 Managing Committee meetings were held in the year 2019 on 23/1/19, 12/3/2019 and 28/09/2019 respectively. The annual GBM was held on 30/10/2019.
- Presently, the association has 5106 members. The period January 2019 to Dec 2019, saw an addition of 110 life members

& 2 patron members.

Donation Received

- Rs. 20,00,000/- Shailaja Asave for Indira Foundation's Motivation for Excellence Scholarships & Financial Support for Ortho Implants
- Dr. Anita Bharat Shah- Rs.7.5 lakh to be distributed as "Dr. KT Gajjar Scholarship" annually amongst merit-based students, financial assistance to 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.
- Rs. 75,000/- Dr. Avinash N Supe for Dr. AN Supe best published paper award (It is added to the original corpus of Rs. 125000/- donated in Aug 2016)
- Rs. 10,000/- Seth GSMC Gymkhana for purchase of cupboard for archive in GSMC library

Educational Activity: Scholarships given to open merit economically challenged students

- Brijlal Gupta Scholarship: Rs. 10,000/- given to Sujay Jaju – III/ II MBBS
- Dr. S Korgaonkar Scholarship: Rs. 93,000/- received from Dr. Sharad Korgaonkar given to Aman Charniya
- LNS Memorial Scholarship: Rs. 57,500/- each given to Shital Kadam & Utkarsha Pawar- II/ III MBBS
- Dr. KT Gajjar Fellowship- Rs. 250000/- given to Dr. Nandan Marathe- Orthopedics
- Dr. KT Gajjar financial assistance for needy students: Rs. 260000/- divided among 25 needy students.
- Indira Foundation's Motivation for Excellence Scholarships

Full free-ship

- Rs. 119550/- each given to Sarita Manwatkar, Saniya Sardar & Omkar Shinde – III MBBS
- Rs. 67100/- each given to Nisha Pattewar & Priyanka Patile – III major MBBS
- Rs. 73000/- given to Sakshi Jain- III minor MBBS
- Rs.130200/- each given to Pratibha Janagonda & Flinta Rodriques II MBBS

Half free-ship

- Rs. 59775/- given to Vaibhav More - III MBBS
- Rs. 33550/- each given to Pawan Daga & Ashutosh Goyal – III major MBBS
- Rs. 36500/- each given to Ajinkya Gavhane, Krishna Borse, Mohit Singla & Atitosh Pandey- III minor MBBS
- Rs. 97650/- given to Rohan Bahir & Rs.32550/-given to Dhruva Pandey - II MBBS

Others scholarships

- Five economically needy students were awarded to Rs. 10000/- each from Gosumec Alumni Association general fund

Awards & Honors

- The Dr RB Redkar Memorial awardees for the year who were felicitated on foundation day (22/1/19) for their commendable work included Dr. Prakash Kore (AMO), Mrs. Meena Koli, Mrs. Padma Chavan, Mr. Rajesh Kurhade, Mr. Milind Pednekar, Mr. Sameer Marathe, Mr D G Rathod (Hospital & College Office Administrator).
- *Dr. A N Supe Best Published Paper awardees of 2018 (21st Jan 2019)*
 - o Dr. P Tyagi, Dr. M Tullu & Dr. Mukesh Agrawal -Dept. of Pediatrics
 - o Dr. SL Martin, Dr. S Desai, Dr. Ruchi Nanavati, Dr. R Colah & Dr. Kanjaksha – Dept. of Neonatology

Social Activities

- GAA spent Rs.24752/- towards Blood donation Camp which was organized at Dadar railway station on 25.10.19. 142 blood donors donated blood.
- GAA sponsored "Community based health camp with Community Medicine department" Expense included Rs. 6354/.
- GAA spent Rs. 175000/- for Mitral Valvuloplasty Balloons in Cardiology department & Rs. 20800/- for purchase of books on Palliative care under department of Community Medicine through donation received from Dr. Apurva & Parinda Mehta donation

Social and extracurricular activities

- Renewal of RemoteXs provided services to 1000 users of GSMC & KEMH. The total bill was for Rs. 130538/-. GAA contributed Rs. 52217/- The balance contribution was made up by DDF, Research Society & DJST each giving Rs.26107/.
- GAA donated Rs. 15000/- for the extra-curricular activity of the students- Aavishkar 2019.

Cultural Activity

- Alumni & staff members dinner was organized with entertainment to celebrate the Foundation Day on 22nd January

2019.

Patient care

- Financial Support for Ortho Implants was given to the needy patients of KEM Hospital from Indira Foundation donation for a Total of Rs. 4,50,000/-
- Hasan Ali Choudhari, Namdev Talekar, Ganesh Prajapati, Suman Awari, Kishor Sherkar Jafar Pathan, Rafiq Bankar, Krutika Khot, Shivangi Mishra

Scientific Activity

- Dr. Ram Prabhoo oration (23 January 2019) was delivered by Dr. Vikas M. Agashe on “Is this how it ends?” Chairpersons: Dr. Hemant Deshmukh, Dr. Lopa Mehta
- Dr. Janak Shah oration (23 January 2019) was delivered by Dr. Rumi Jehangir on
- “Ophthalmology: Down Memory lane” Chairpersons: Dr. Sunil Pandya, Dr. Sheela Kerkar

GSMC MUHS UNESCO Bioethics unit

Highlights & Achievements

- **“Psychological First Aid Workshop”** was conducted on **10th July 2019**. It was conducted by Dr. Shubhangi Parkar, Professor and Head of the Department of Psychiatry at KEMH along with Dr. Shilpa Adarkar Professor, Department of Psychiatry at KEMH. Thirty-eight (38) undergraduate students attended from various discipline attended this workshop.
- Workshop on **“Narrative writing and Reflections”** was conducted **19th of July 2019**. The students were introduced to the concepts of narrative writing in medicine and how to reflect. This workshop was conducted by Dr. Padmaja Samant, Professor, Department of Obstetrics & Gynecology, Dr. Munira Hirkani, Professor, Department of Physiology, KEMH and Dr. Henal Shah, Professor, Department of Psychiatry at Nair Hospital.
- **World Bioethics Day Celebrations - The World Bioethics Day 2019**
- Celebrations started with various competitions for undergraduate students on the theme of World Bioethics Day 2018- **“Respect for Cultural Diversity in Healthcare”**. The celebrations culminated into the mega event held on **Monday, 14th October 2019**. Dr Armida Fernandez, renowned Neonatologist, Former Dean of Sion Hospital; chief guest on this occasion, delivered a key note address on the theme, “Respect for Cultural Diversity in Health”.
- The **Symposium** on the theme **“Respect for Cultural Diversity in Healthcare”** was arranged on **14th October, 2019** as a part of World Bioethics Day Celebrations. There were three invited guest speakers Dr Jayita Deodhar, Professor of Psychiatry & Palliative care, Tata Memorial Hospital, Mrs. Sujata Ashtekar, Organ Donation Coordinator & Consultant and Ms Surabhi Mittal, IIT Mumbai. They touched upon different aspects related to cultural diversity and healthcare.
- **Publication** - Annual bulletin of the unit, “INARCH” based on the theme “Respect for Cultural Diversity in Healthcare” was released during the World Bioethics Day celebration on 14th October 2019. Dr Padmaja Samant was the editor of this bulletin.

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. As per MCI directives, the **‘Bioethics sessions as a part of Foundation Course’** were conducted during 3rd August 2019 to 23rd August 2019 for the new batch of 250 First MBBS students. There were 7 sessions which covered the competencies addressed under the theme ‘Professionalism and Ethics’. The modules are conducted by trained members and experts in the field.

Sr No	Date	Topics Covered
1	3 rd August 2019	Professionalism and Ethics
2	8 th August 2019	Human Dignity and Human rights
3	13 th August 2019	Beneficence and Non maleficence
4	16 th August 2019	Equality, equity and Justice
5	20 th August 2019	Cultural Diversity
6	21 st August 2019	Honesty and Integrity
7	23 rd August 2019	Audiovisual session (Informal formative assessment)

Following topics were covered for other discipline

Discipline & Batch	Date	Topic covered
First MBBS and OT and PT students Admission Batch 2018	March 11, 2019	Introduction to Ethics, Medical Ethics, Bioethics History, Bioethical Principles and Cultural diversity Human rights and dignity, Benefit and Harm, Empathy, Autonomy, Equality and justice
First Year Nursing Students 2018 Batch	February 25, 2019	MUHS and Nursing syllabus modules were held
Interns	Doctor patient relationship and communication skills and Professionalism	

Post Graduate Grand rounds

- Post graduate grand rounds were held for residents of Radiology, Anaesthesia and Paediatric anaesthesia on 5th April 2019 in Community Medicine seminar hall.
- **Student wing Activities:** The unit has a strong student wing that carries out various activities. This year competitions were held on the theme “Respect for Cultural Diversity in Healthcare”. 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.
- **Rangoli Competition 2019:** Rangoli competition was held on the theme ‘Respect for Cultural Diversity in Healthcare’.
- **Poster Competition 2019:** Total 29 posters were received from undergraduate students, postgraduate students and employees of KEMH & Seth GSMC.
- Winners were as follow: First Prize: Prashant Harish Saraf (First MBBS). Second Prize: Pranita Misal (II BPTH) & Megha Gavit (III GNM) and
- Special Prize for artistic excellence: Mrunmai Gaikwad (III BPTH)
- **A Short Film Competition:** It was held on 10th October, 2019. Two films were received from MCGM medical colleges.
- **Street play competition 2018** -- A grand street play competition was showcased in the MLT on the theme of Respect for cultural diversity in Health on 10th October, 2019. Winning team was from school of Nursing, Seth GSMC & KEMH.

Research

- Perception of knowledge attitude and practices of medical ethics in undergraduates of health care profession. Omkar Thakur, Gautami Chaudhari, Dr Mariya Jiandani, Dr S B Salagre
- Assessment of Ethics and Professionalism among the medical undergraduate students of a tertiary care teaching hospital: A questionnaire based cross-sectional survey Marathe PA, Bavishi D, Pooja SG, Kokate D, Mulkalwar A

Publications

- Respect for cultural Diversity: Minding the gap. M P Jiandani, Jyotsna Thosar
- Cultural Competence: Healthcare beyond Medicine. Dr. Trupti Ramteke, Dr Karuna Nadkarni, Dr Padmaja Marathe
- Legal Medicine in Relation with Respect for Cultural Diversity. Dr. Shashank Tyagi
- Importance of cultural competency/ diversity in nursing practices. Arya Deshmukh, Vaishali Chavan
- Cultural Diversities Discourse in Medical Education. Dr Padmaja Samant
- Philosophy in Healthcare. Dr. Venkatesh Rathod, Dr. Nayana Ingole
- Reflection of Cultural Diversity in Issues of Dying and Death. Dr. Y B Chavan, Dr. Anjali Telang
- Reflections: Bioethics Learning and Application. Devi Bavishi

Awards & Honors

- Assessment of Ethics and Professionalism among the medical undergraduate students of a tertiary care teaching hospital: A questionnaire based cross-sectional survey Marathe PA, Bavishi D, Pooja SG, Kokate D, Mulkalwar A. This paper received 1st prize in 217th scientific meeting of Staff Society, Seth GSMC & KEMH on 19th July 2019.

Looking Ahead

- Training of Postgraduates in Bioethics and clinical ethics

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

Registration / Accreditation / Recognition	IEC-I	IEC-II	IEC-III
Established on	6 th January, 1987	14 th November, 2008	12 th October, 2019

Registration with: DCG(I) & Central Licensing Authority: (issued under New Drugs and Clinical Trials Rules, 2019.)	Re-Registration No. ECR/229/ Inst./MH/2013/RR-19	Re-Registration No. ECR/417/ Inst./MH/2013/RR-19	NA
	Valid from 22.04.2019 to 21.04.2024 Valid from 06.08.2019 to 05.08.2024		NA
Provisional registration of the Ethics Committee under Dept of Health Research (DHR), Ministry of Health & Family Welfare, Delhi.	Registration provisionally approved on 12-OCT-2019	Registration provisionally approved on 12-OCT-2019	Registration provisionally approved on 12-OCT-2019
Recognition: 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	NO
Accreditation: 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	NA
Current SOPs Version 6, Dated 2 nd April 2018 effective from 1 st July 2018			
Institutional Ethics Committees presently functions according to the requirements laid down in New Drugs and Clinical Trials Rules, 2019 and is guided by the ICH GCP guidelines for Good Clinical Practice, ethical principles set forth in the Declaration of Helsinki and the Ethical Guidelines for Biomedical Research on Human Subjects laid down by the Indian Council of Medical Research.			

Activities of the IECs

1. No. of full board & SAE Subcommittee meetings held in the year 2019

Year 2019	IEC-I	IEC-II	IEC-III	SAE Subcommittee	Total meetings
	11	12	2	28	53 meetings

2. No. of projects reviewed by IECs (I, II & III) in the year 2019

Year 2019	PHARMA sponsored	GOVT sponsored	Other Academic	Thesis / Dissertations	Total projects
till 20 th Dec 2019	20	8	147	175	350

3. No. of ongoing projects with IECs in the year 2019

Year 2019	IEC-I	IEC-II	IEC-III	Total
PHARMA sponsored	39	-	-	39
GOVT sponsored	-	10	13	23
Other academic	3	145	122	270
Thesis / Dissertation	4	275	272	551
Total	46	430	407	883

4. No. of Serious Adverse Events (SAEs) occurred in the year 2019

Total 30 SAE meeting held till 20 th December 2019						
	Particulars		Pharma	Govt.	OA	Thesis
1	Total no. of SAE at our site:	Initial report	08	-	-	-
		Follow up report	13	-	-	-
		causality	-	-	-	-
2	Total no. of death		01	-	-	-
3	Our site late reporting (after 24 hours)		-	-	-	-
4	Responses (query) from EC regarding our site SAEs Noted letters sent	Query letters sent	16	-	-	-
		22	-	-	-	-
7	Total no. of Adverse Events (AE) reported		33	-	-	-
8	Total no. of SUSAR/CIOMS reported:		21699	-	-	-

Constitution of IEC-I

Sr. No.	Name	Position	Affiliation	Designation	Qualification	Gender
1.	Dr. Padmavathy Menon	Chairperson	Non-Affiliated	Consultant Endocrinologist, Jupiter Hospital, Thane & LH Hiranandani Hospital, Powai, Mumbai.	M.D.	F
2.	Dr. Sandeep Bavdekar	Co-Chairperson & Clinician	Non-Affiliated	Pediatrician	M.D., D.N.B., D.C.H., F.C.P.S., F.M.E.	M
3.	Dr. Shruti Bhide	Member Secretary	Affiliated	Associate Professor (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.	M.D.	F
4.	Dr. Yashashri Shetty	Member (Joint Member Secretary)	Affiliated	Associate Professor (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.	MD, DBM.	F
5.	Dr. Urmila Thatte	Member (Basic medical scientist)	Affiliated	Professor & Head (Clinical Pharmacology) Seth GS Medical College and KEM Hospital Mumbai.	M.D., DNB., Ph.D.	F
6.	Dr. Vishal Gupta	Member (Clinician)	Affiliated	Assistant Professor (Medicine) Seth GS Medical College and KEM Hospital Mumbai.	MD	M
7.	Ms. Meera Shah	Member (Social Scientist)	Non-Affiliated	-	M.A. Clinical Psychology M.S.W Diploma in Journalism	F
8.	Ms. Veena Johari	Member (Legal expert)	Non-Affiliated	Independent Lawyer	L.L.B.	F
9.	Dr. Sai Kulkarni	Member (Lay person)	Non-Affiliated	-	B.A., D.C.A., PGDEM, M.E.M. / PhD, M. A	F
10.	Dr. Sanjeevani Zadkar	Member (Clinician)	Affiliated	Associate Professor (Anesthesia) Seth GS Medical College and KEM Hospital	MBBS, MD	F
11.	Dr. Kaizad Damania	Member (Clinician)	Non-Affiliated	Professor (Obstetrics & Gynaecology) N. Wadia Maternity Hospital, Mumbai.	M. D., DNB., F.C.P.S., D.G.O., D.F.P.	M
12.	Dr. Ragini Kulkarni	Member (Clinician)	Non-Affiliated	Scientist Department: Department of Operational Research (DOR) National Institute for Research in Reproductive Health, Jehangir Merwanji Street, Parel, Mumbai 400012	M.D. (Preventive and Social Medicine, 1997)	F

Constitution of IEC-II

Sr. No.	Name	Position	Affiliation	Designation	Qualification	Gender
1.	Dr. Subodh Sirur	Chairperson (External)	Non-Affiliated	Wockhardt Hospital, Mumbai Central, Mumbai	MBBS, DVD, LLM Consultant, Dermatology & Venerology,	M
2.	Dr. Alka Subramaniyam	Co-Chairperson (External) (Clinician)	Non-Affiliated	Associate Professor (Psychiatry) TNMC & BYL Nair Charitable Hospital, Mumbai.	M.D., D.N.B., DHA.	F
3.	Mrs. Palsule Shilpshree	Member Secretary	Affiliated	Assistant Professor (occupational Therapy) Seth GS Medical College and KEM Hospital Mumbai.	M.Sc OT	F
4.	Dr. Sharmila Jalgaonkar	Joint- Member Secretary (Basic medical scientist)	Affiliated	Associate Professor (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.	M.D.	F

Sr. No.	Name	Position	Affiliation	Designation	Qualification	Gender
5.	Dr. Swapna Kanade	Member	Affiliated	Associate Professor, (Microbiology) Seth GS Medical College and KEM Hospital Mumbai.	MD	F
6.	Dr. Smrati Bajpai	Member	Affiliated	Assistant Professor (Medicine) Seth GS Medical College and KEM Hospital Mumbai	M.D., DNB	F
7.	Dr. Pradnya Talawdekar	Alternate Member (External legal Expert)	Non-Affiliated	Independent Lawyer/ Project Manager, Ojus Medical Institute, The Tulip Star, Juhu Tara Road Juhu, Mumbai.	B.A.M.S., L.L.M.	F
8.	Dr. Nilesh Thakre	Member (Social scientist)	Non-Affiliated			M
9.	Dr. Sai Kulkarni	Member (Lay person)	Non-Affiliated	-/-	B.A., D.C.A., PGDEM, M.E.M./ PhD, M. A	F
10.	Dr. Sona Dave	Member (External scientific expert) (Clinician)	Non-Affiliated	Professor, (Anesthesiology) TNMC & BYL Nair Charitable Hospital, Mumbai.	M.D., DA., DNB	F
11.	Dr. Priyanka Honavar	Member (Clinician)	Affiliated	Assistant Professor (Obstetrics & Gynecology) Seth GS Medical College and KEM Hospital Mumbai	DGO, DNB (OBGYN), FMAS	F
12.	Dr. Sandeep Sonone	Member	Affiliated	Associate Professor (Orthopedics) Seth GS Medical College and KEM Hospital Mumbai.	MS, DNB.	M

Constitution of IEC-III

Sr. No.	Name	Position	Affiliation	Designation	Qualification	Gender
1.	Dr. Leena V Gangolli	Chairperson (External)	Non- Affiliated	Member of National Task Force for Palliative Care.	M.B.B.S., M.H.A. (T.I.S.S.), M.P.H. (Harvard University), L.L.M. (University of Mumbai)	F
2.	Dr. Sushma Save	Co-Chairperson (External)	Non- Affiliated	Associate Professor, Dept of Pediatrics, Topiwala National Medical College & B. Y. L. Nair Charitable Hospital.	MD, DCH, IBCLC (USA).	F
3.	Dr. Amey Rojekar	Member Secretary	Affiliated	Assistant Professor (Pathology) Seth GS Medical College and KEM Hospital Mumbai.	M.D., D.N.B.	M
4.	Dr. Snehalata Gajbhiye	Joint- Member Secretary (Basic medical scientist)	Affiliated	Assistant Professor (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.	M.D., FICS.	F
5.	Dr. Kavita Joshi	Member (Clinician)	Affiliated	Associate Professor of Medicine, Seth GS Medical College and KEM Hospital Mumbai.	M.D.	F
6.	Dr. Melita Vaz	Member (External Social Scientist)	Non- Affiliated	-	PhD MSW MA	F
7.	Dr. Sai Kulkarni	Member (Lay person) External	Non- Affiliated	-	Ph.D., M.A,	F

Sr. No.	Name	Position	Affiliation	Designation	Qualification	Gender
8.	Mrs. Jaimala Shetye	(Member)	Affiliated	Associate Professor (Physiotherapy) Seth GS Medical College and KEM Hospital Mumbai.	MPTth	F
9.	Dr. Kranti Kadam	Member (Clinician)	Affiliated	Additional Professor (Psychiatry) Seth GS Medical College and KEM Hospital Mumbai.	M.D.	F
10.	Dr. Suchin Dhamnaskar	Member (Clinician)	Affiliated	Associate Professor, Dept. of General Surgery, Seth GS Medical College and KEM Hospital Mumbai.	M.S	M
11.	Dr. Vijaya M. Babre	Member	Non- Affiliated	Assistant Professor in Department of OBGY at K.J. Somaiya Medical College Sion Mumbai.	MBBS, DNB, FICOG, FCPS, DGO, DFP, DHA (Diploma of Hospital Administration)	F
12.	Dr. Nandini Dave	Member (Clinician)	Affiliated	Professor & Head (Pediatric Anesthesia) Seth GS Medical College and KEM Hospital Mumbai	M.D.	F
13.	Dr. Yuvaraj B. Chavan	Member	Affiliated	Professor (Additional) (PSM) Seth GS Medical College and KEM Hospital Mumbai.	M.D.	M

IEC-I, II & III Office bearers

Institutional Ethics Committee – I, II & III		
Ms. Janhavi Katkar (nayanvkatkar@gmail.com) General Manager.		
IEC-I & SAE Subcommittee	Mrs. Manali Naik, Deputy Manager	iec-1@kem.edu
	Ms. Shweta Surve, Deputy Manager	
IEC-II	Ms. Manasi Lad, Sr. Executive Assistant	iec-2@kem.edu
	Ms. Rasika Nikharange, Executive Assistant	
IEC-III & SAE Subcommittee	Ms. Prajakta Auti, Deputy Manager	iec-3@kem.edu
IEC-I, II, III & SAE Subcommittee	Mr. Mangesh Khochade Mr. Shivprasad Pawar	
Direct line: 24122188, 24107515 Cell no.: 9326688937 & Ext. no. 7515		

Activities of the IEC

Training programs organized by IEC:

- Three Good Clinical Practice training conducted on 5th March 2019, 28th March 2019 & 18th July 2019
- Schedule Y & ICMR 2017 training conducted on 5th March 2019, 28th March 2019 & 18th July 2019
- GSR 227 (E) training conducted on 11th April 2019, 3rd June 2019 & 18th July 2019
- SOP version 5.1 training conducted on 5th March 2019 & 28th March 2019
- SOP version 6 training conducted on 15th July 2019 & 18th July 2019

Infection Control Committee

Members of KEMHICC

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

Achievements

- A copyrighted biomedical waste mobile app for monitoring biomedical waste segregation practices and providing feedback has been rolled out.
- Approval of Fellowship in Infection Prevention and Control with special reference to Hospital Acquired Infections under MUHS to begin from January 2020.
- A dedicated fulltime infection control nurse has been provided for KEMHICC.
- Commemoration of infection prevention days
 - o KEMHICC commemorated National Intravenous Nurse Day on 25th January (Neonatology department), International Prenatal Infection Prevention Month in the month of February by OBGY and Neonatology department, World TB Day on March 24th by Microbiology and Chest Medicine, Month of March was the Employee Health and Fitness Month Hepatitis Awareness Month by the Department of Medicine, May 5th was the World Hand Hygiene Day – Save Lives : Clean Your Hands Campaign with introduction of learn from me and teach three initiative by KEMHICC.
 - o Paper titled “Utility of a Mobile App for Auditing Biomedical Waste Segregation Practices in a Surgical Discipline of a Tertiary Care Hospital” received the best paper award in the oral category at National workshop on “Healthcare waste management, Environmental and Occupational safety” held on 25th-26th April 2019 at New Delhi.
 - o Ms. Priti Natekar, Infection control nurse, received the second prize in the poster category for poster titled “Improving Operation Theatre Infection Control Practices for Reducing Risk of Surgical Site Infection (SSI)” at 43rd Annual Conference of Indian Association of Medical Microbiologists “Microcon 2019” held between 29th November to 1st December 2019, Mumbai.
 - o Hepatitis B vaccination drive: A total of 881 new registrations and 2891 doses of vaccination were given this year. A total of 553 undergraduate and post graduate students (MBBS/MD/MS/OT/PT/ BPMT/DMLT) have registered for vaccination.

Activities

- A total of seven meetings have been conducted during the year 2019. Strengthening infection control practices through regular audits, feedback on audits, training, antibiograms of specific disciplines / settings, and discussing new items / technologies / proposals received formed the crux.
- Regular training of HCWs (n=855) on biomedical waste management rules 2016.
- Training of nurses and doctors on injection safety and bundle care- prevention of device associated infections respectively.
- Preparation of SOPs on Prevention of infection in operation theatres.
- Preparation of audit checklist for infection prevention in OT and ICU
- Training of all OT sister in charges on “sterilization and disinfection practices”.
- Completion of one audit cycle of all operation theatres of KEM Hospital.

Internal Complaints committee for Prevention of Sexual Harassment

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

Complaints processed in the year 2019

No.	Department	Substance found (Yes/ No)	Recommendation
1	Nursing School, Blood Bank	Yes	Warning
2	Security	Yes	Warning and counseling
3	MSW	Administrative complaint	-

- Meetings conducted: 4 times in the year
- Besides processing complaints; the committee conducted sensitization of
 - o 1st year MBBS students
 - o Interns

- o Obstetrics and gynecology department
- o Clinical Pharmacology, GI Surgery, Pediatric Surgery, Pediatric Anesthesia departments staff and postgraduate students

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 65th year of being published. Its Impact Factor® has increased to 1.318 as reported in the 2018 Journal Citation Reports® (Clarivate Analytics, 2019) as compared to 1.095 as reported in the 2017 Journal Citation Reports® (Clarivate Analytics, 2018). The journal's full text is available online at www.jpgmonline.com and www.bioline.org.br/jp. The journal's website (www.jpgmonline.com) gets over 2,500 visitors every day. The journal allows free access (Open Access) to its contents and permits authors to self-archive final accepted version of the articles on any OAI-compliant institutional / subject-based repository. Its Editorial team consists of Dr. Sunil Karande (Editor); Dr. Shirish Joshi and Dr. Manjula Sarkar (Associate Editors) and Dr. Mariya Jiandani, Dr. Sweta Salgaonkar and Dr. Shilpa Sankhe (Assistant Editors). The achievements of the journal for this year have been: (i) A one day CME "JPGMCON 2019- Journey from Research to Publication..." was organized on 23rd March 2019 by Dr. Manjula Sarkar, Dr. Mariya Jiandani, Dr. Sweta Salgaonkar and Dr. Shilpa Sankhe. Several eminent speakers took part in this successful academic event which was greatly appreciated by the delegates (> 150) who attended it; (ii) more than 97% of its Staff Society Members subscribers have now opted for e-version access, a noble environmentally-friendly initiative; (iii) All 4 issues have been published on time; (iv) 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

Following orations done during the year

21st January, 2019- MLT

- Dr. Sindhu R Pandit Memorial Oration: Speaker -Dr. Nalini Shah, Topic- "A Lifetime at KEM: Learning the Art and Science of Medicine" Chairpersons: Dr. Lopa Mehta, Dr. Ram Prabhoo
- Dr. U.K. Sheth Memorial Oration: Speaker -Dr. Philip Abraham, Topic- "Drug Therapy for Gut Infection: Is the Battlefield Enemy?" Chairpersons: Dr. Shobna Bhatia, Dr. Nirmala Rege

23rd January, 2019- MLT

- Dr. Ram Prabhoo Oration: Speaker-Dr. Vikas M. Agashe, Topic- "Is this how it ends?" Chairpersons: Dr. Hemant Deshmukh, Dr. Lopa Mehta
- Dr. Janak Shah Oration:Speaker- Dr. Rumi Jehangir, Topic- "Ophthalmology: Down Memory lane" Chairpersons: Dr. Sunil Pandya, Dr. Sheela Kerkar

10th April 2019 –MLT

- Dr. T. O. Shah Memorial Oration: Speaker -Dr. Naishadh Patil, Topic- "The Road Less Travelled... An Irish Journey" Chairpersons: Dr. R. Bradoo, Dr. Chris D'souza

29th May 2019 –CVTC Auditorium

- Dr. M. D. Motashaw Memorial Oration: Speaker -Dr. M. K. Mani, Topic- "What we should do for Chronic Renal Failure in India."Chairpersons: Dr. Bhupendra Gandhi, Dr. Alan Almeida

20th November 2019 -MLT

- Dr. Ivan Pinto Oration: Speaker - Dr. Amit Vora,Topic- "Cardiac Implantable Electronic Devices- Kal Aaj aur Kal" Chairpersons:Dr. Satyavan Sharma, Dr. Bharat Dalvi

- Dr. V.N. Bagadia Oration: Speaker – Dr. Rakesh K Chadda, Topic- “Social Psychiatry: Essence of Psychiatry”
Chairpersons: Dr. Shubhangi Parkar, Dr. Manoj Bhatawdekar

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, Shiridi 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 for the period from 2019- 2024 is as follows:

- President: Dr. Hemant Deshmukh Dean Seth GSMC & KEMH
- Hon. Vice President: Dr. N. Sawant,
- Hon. General Secretaries: Dr. B. Mhatre & Dr. H. Nandgaonkar & Hon. Treasurer: Dr. K. Joshi
- Executive Committee members: Dr. S.H. Ravat, Dr. S. Bhide, Dr. S. Kanade, Dr. R. Pandey, Dr. A. Agrawal, Dr. S. Rane & Dr. S. Umbarkar
- Research grants -first set 2019: Rs 75000/- each were given to the following research projects
 - o Dr. Sharmila Jalagaonkar [Pharmacology] Topic: Evaluation of analgesic and neuroprotective effect of S-adenosyl L- Methionine on Nitroglycerine induced Migraine in swiss albino mice.
 - o Dr. Nithya Gogtay [Clinical Pharmacology] Topic: Evaluation of the utility of genotyping in patients with Budd Chiari Syndrome Versus standard of care to assess impact on bleeding and costs- a randomized control trial.
 - o Dr. Sandhya Kamat [Pharmacology] Topic: Evaluation of the effect of Rubia cordifolia on angiogenesis and wound healing,.
 - o Dr. DG Kurlle [Pharmacology] Topic: Evaluation of Neuro-protective effect of metformin in 6-hydroxy dopamine induced Parkinson’s disease in wistar rats.
 - o Dr. Padmaja Marathe [Pharmacology] Topic: Evaluation of effect of Acamprosate in animal models of epilepsy and epilepsy induced depression.
 - o Dr M G Karmarkar [Microbiology] Topic: Demonstration of the role of Streptococcal antigens-SIC, DRS & DRSG in causing kidney disease in mouse model.
- Research grants- second set 2019: Rs 75000/- each were given to the following research projects
- Dr. Swapna Kanade, [Microbiology] Topic: Oral swab as an alternative specimen for diagnosis of pulmonary tuberculosis.
 - o Dr. Shruti Bhide [Pharmacology] Topic: Evaluation of Sim-vastatin & Ator-vastatin in Temporal Lobe Epilepsy in Wistar rats.
 - o Dr. Nithya Gogtay [Clinical Pharmacology] Topic: Evaluation of Genotyping and Therapeutic Drug Monitoring vs. only Therapeutic Drug Monitoring as a strategy for risk minimization in epileptic patients on phenytoin therapy: A Randomized Controlled Trial
 - o Dr. Hemant Nandgaonkar [OT] Topic: Parental expectations from health care providers of pediatric wards in tertiary care hospital on the basis of Family-centered approach
 - o Dr. Shirish Joshi [Pharmacology] Topic: Experimental study to evaluate the effect of Niacin in chronic unpredictable stress induced depression in Wistar rats.
 - o Dr. Sunil Kuyare [Microbiology] Topic: Microbial profile of liver abscess.
 - o Dr. S Dandekar [Biochemistry] Topic: Erythrocyte membrane fluidity studies in chronic kidney diseases.
- Research Society spend total amount Rs. 9,14,364.00 towards Research grant.

Educational Grant

- Rs. 49847/- was sanctioned to Dept of Cardiac Anesthesia for conducting CME
- Rs. 50000/- was sanctioned for the scientific program for UG students Confluence 2019
- Rs. 26107/- was sanctioned as a contribution for Remotex software to Gosumec Alumni Association
- Rs. 14979/- was sanctioned to Dept of Occupational Therapy for conducting National CME
- Donation of Rs. 75000/- was sanctioned to Epidemiology Resource centre under department of Community Medicine.
 - o Research Society funding Rs. 25,000/- for printing of annual report 2019.
 - o Research Society has received grants in 2019 for ongoing and new projects under taken by various departments viz Cardiology, Neurology, Clinical Pharmacology, Hematology, Medicine and Pediatrics.

- o Research Society organized 2 orations in November 2019 and contributed towards all orations during the year.
- Dr. Bhavana Mhatre / Dr. Hemant Nandgaonka [Hon. Gen. Secretaries]

Regional Resource Centre (RRC)

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

Aims & Objectives

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

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

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

Telemedicine Program Management Unit (NMCN) - 2019

Dr. Hemant Deshmukh -Dean and Chairperson

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

Dr. Kamaxi Bhate - Member

Dr. Pritha Bhuiyan - Member

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. Vivek Yadav

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

Various activities carried out under NMCN: -

- 236 Tele-education sessions have been conducted during the year.
- Tele-Education International – 35 sessions were conducted by Departments of Endocrinology, Clinical Pharmacology, Microbiology and Neonatology.
- Live streaming sessions via YouTube have been conducted for clinical programs by Depts. of Anatomy, Medical Education Unit, Occupational therapy, Physiology, Forensic Medicine and Toxicology, Orthopaedic.
- Established and extended the NKN Connectivity to Telemedicine Room, Library AV Room, all 5 Lecture Theatres, multi-storey and old building for internet access.
- Point to Point & Point to Multi- point Video Conference facility has been made available at AV Room, ground floor, 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 Collab-DDS Online Radiology Services (CORS) in co-ordination with NHM, Maharashtra.
- Radiology Master Class by Dr. Ravi Ramakantan as expert faculty has been initiated for PG students.
- Digital Medical Library - Books, e-Resources, Print + Online Medical Journal subscriptions have been made available for students, which is accessible to college campus on intranet via internet.
- RRC, Seth G. S. Medical College & KEM Hospital, Mumbai has also been provided with e-Classroom/Digital Medical lecture theatre infrastructure which was created under National Medical College Network (NMCN) and which can connect to 50 government medical colleges across India which have been networked in the first phase riding over National Knowledge Network. This facility has been installed in Theatre 3, Department of Anatomy (College Building, Second Floor) for the benefit of students/academicians/ professionals at our institute for NMCN activities and is supported by

MoHFW.

- This e-Classroom/ Digital Medical lecture theatre (Theatre 3) has been utilized to conduct Live lectures, CMEs/ Workshops, academic clinical program, RMO orientation program, etc. for live streaming and remote lecture sharing/ interactive with other 50 medical colleges across India.
- Content Development activities - 112 videos created/edited.

Student Grievance Committee

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

Scholarship Fund & Poor Boys' Fund

- Dr. Hemant Deshmukh, Dean & Chairperson, GSMC & KEMH
- Dr. Milind Nadkar, Academic Dean
- Dr. Amita Joshi, Member Secretary
- Dr. Nirajan Mayadeo, Member
- Dr. Anjali Rajadhyaksha, Member

From the poor boys' fund, economically backward UG Students are given financial assistance to the tune of upto 1 Lakh Rupees every year. Approximately 10 to 20 students are given Rs.10,000/- each per year. From scholarship fund, financial assistance is given to staff members who have completed atleast 5 years of service & have not opted for private practice.

Staff Society

Executive Committee members and office bearers of Staff Society: 2017-2019

- Hemant Deshmukh- President.
- 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. Karishma Rupani, Dr. Swapna Patil, Dr. Bhushan kumar Thakur, Dr. Nilesh Shende, Dr. Sweta Salgaonkar, Dr. Gwendolyn Fernandes, Dr. Rekha Dhamnaskar, Dr. Amrita Ajani, Dr. Deepak Kumar Gupta & Miss. Shweta Joijode
- During period from January 2019 - Dec 2019, 5 Monthly Scientific meetings, 4 EC meetings & 1 AGBM were organized as shown below.

Guest lectures:

- 213rd Meeting: 26th February 2019: Guest speaker Dr. Vasudha Apte, Topic- "Forensic Medicine a Savior for Clinicians". Chairpersons: Dr. H Pathak, Dr. S Mohite
- 214th Meeting: 20th March 2019: Speaker Dr. Uday Khopkar, Topic "Skin and Internal Diseases" Chairpersons: Dr. MY Nadkar, Dr. S Gujral. Felicitation program of Dr. Uday Khopkar, Prof. & Head, Dept. of Dermatology on his VRS from MCGM services.
- 215th Meeting: 29th May 2019: Felicitation program of Dr. Lakshmi Rajgopal, Prof. Dept. of Anatomy & Dr. Kamaxi Bhate - Prof. Community Medicine on their superannuation from MCGM services. Chairpersons: Dr. SR Parkar, Dr. Velhal & Dr. NN Rege
- 216th Meeting :27th June 2019: Guest speaker Dr. Sunil Keswani, Plastic & Reconstructive Surgeon, Topic- "Racing against Time- Time Management for Medical Professionals" Chairpersons: Dr. A Dalvi & Dr. V Puri.

PG paper & e-poster presentations:

- 217th Meeting: PG Paper & E-poster presentation competition on 19th July 2019: - Entries from the departments of Clinical Pharmacology, Plastic Surgery, Pead. Surgery, Pead. Anesthesia, PT, OT, Anesthesia & Pharmacology were selected.

- Judges invited for the Super Specialty PG competition - Dr. Amar Pazare, Ex-HOD, Medicine, Dr. Shobna Bhatia-HOD-Gastroenterology, Dr. Dattatray Muzumdar, Prof. Neurosurgery & Dr. Aparna Deshpande-Prof. Surgery.
- Judges for Specialty PG competitions - Dr. MG Karmarkar - Prof. Microbiology, Dr. P Viadeeswar - (Addl) Prof, Dr. V Kharkar- HOD-Dermatology & Dr. T Jamale- HOD-Nephrology.
- Super specialty PG Award –First Prize
 - o Paper – Perfusion index as a predictor for working paediatric caudal block under general anaesthesia- A Prospective Observational Study- Dr. Karthika Rajan, Paediatric Anaesthesia
 - o E-poster - Effect of pre-operative education on anxiety in children undergoing day-care surgery-Dr. Aarti Baghele, Paediatric Anaesthesia
- Specialty PG Award –First Prize
 - o Paper – A comparison of hand dexterity in students using smartphones. - Dr.Rithisha Shetty, OT
 - o E-poster-Assessment of Ethics and Professionalism among the Medical Undergraduate and Postgraduate students of a Tertiary care Teaching hospital: A Questionnaire based cross-sectional survey-Dr. Pooja S G, Pharmacology
- Executive Committee Meetings: 4 & Annual General Body Meeting: 1 (26st July 2019 in MLT)
- Annual dinner on Foundation Day: Tuesday, 22nd January 2019: 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 car hanging memento.
- The procedure for formation of new executive committee for the period 2019- 2021 is ongoing, hence there were no monthly meetings from Aug 2019 to December 2019. As per Dean sir's instruction the current committee continues to work till further orders.
- Mementoes: Staff Society has mementoes like Album with postal stamp & new mugs, Water bottle, Metal Keychain, White and blue paper weight for sale.
- Staff Society organized two orations in April & May 2019 and contributed towards various orations during the year.

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-specialties) to patients and doctors from these peripheral centers.

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

- Chairperson: Dr. Hemant Deshmukh (Dean, KEM Hospital)
- Member/s: 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 2019-November 2019 a total of 8884 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 Jan -19 - November - 2019													
Sr No	District	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Total
1	Akluj	13	16	9	4	6	15	14	9	8	3	2	99
2	Amravati						1	1				2	4
3	Aundh	33	27	38	42	37	64	57	41	43	38	46	466

Maharashtra KEM Telemedicine Centre details list district wise Jan -19 - November - 2019													
Sr No	District	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Total
4	Chandrapur	1						1	1				3
5	Chopada				1		1	1	1				4
6	Dharani	1	2										3
7	Gadchiroli			19			19		30				68
8	Gondia	40	23	23		5	5	14	11	15	13	14	163
9	Gadhinglaj	2											2
10	Islampur	47	48	49	42	46	46	70	35	13	65	56	517
11	Kalvan	76	74	60	71	71	77	76	64	84	37	55	745
12	Kamthe	14	15	10	20	8		11	8	13	28	52	179
13	Karad								3			2	5
14	Nandurbar			16	28	7	194	262	120	30		159	816
15	Nanded			1									1
16	Navapur	16	14	28	14	17	53	34	27	34	20	58	315
17	Nashik	53	26	95	36	30	28	14		7	28	50	367
18	Osmanabad	39	25	14	16	6	30	40	33	39	36	37	315
19	Parbhani	9	3	3			10	1			1		27
20	Ratnagiri	119	131	79	75	77	86	95	134	80	65	89	1030
21	Satara					5	4	5		6		5	25
22	Sawantwadi	115	57	43	53	93	52	58	40	64	63	69	707
23	Shahapur	108	85	93	73	99	87	106	94	110	88	101	1044
24	Shegaon	4					4	5					13
25	Shirpur	2	10	15	4	5	16	5	9	1		1	68
26	Sindhudurg	48	46	53	74	56	111	39	67	127	114	140	875
27	Thane	52	51	65	125	125	72	99	70	16	20	54	749
28	Umarga	2	1			4	5	7	1	1	2	3	26
29	Wardha	34	14	16	5	21		15	17	29	25	24	200
30	Warora				1	1	31		2	2	3	8	48
	Total	828	668	729	684	719	1011	1030	817	722	649	1027	8884

KEM Hospital with SJPGI Lucknow, SRMC Chennai, Burla & District Hospital and Sub district hospital Maharashtra January - December 2019

Sr. No.	C.M.E. Date (mm/dd/yyyy)	C.M.E. Time	Topic	Name of Speaker (Specialist Doctors)
1	15-02-2019	8.30am	Bioactive growth factor in PRP & their role in regeneration	Dr Katharia
2	13-03-2019	3.00pm	Genetic Meet	Dr Kshitija Patil
3	15-03-2019	8.30am	Haemostatic abnormalities in liver disorder	Dr A Verma
4	15-03-2019	10.30am	Training National Hepatitis Programme	Dr Akash Shukla
5	30-04-2019	10.30am	Training National Hepatitis Programme with Nagpur	Dr Akash Shukla & Dr Meghraj
6	03-05-2019	10.30am	Training National Hepatitis Programme with Nashik	Dr Akash Shukla & Dr Meghraj
7	04-05-2019	10.30am	Training National Hepatitis Programme with Nashik	Dr Akash Shukla & Dr Meghraj
8	23-05-2019	12noon	EC Meeting if HSCI office bearer - Nuclear Medicine	Dr Shwetal Pawar
9	23-07-2019	10.00am	Training National Hepatitis Programme with Nagpur & Nasgij	Dr Akash Shukla & Dr Meghraj
10	08-08-2019	12.30pm	EC Meeting if HSCI office bearer - Nuclear Medicine	Dr Shwetal Pawar
11	21-08-2019	8.30am	Emerging & Re-emerging Infections in Transfusion Medicine	Dr Khetan
12	25-10-2019	8.30am	Transfusion transmitted infections	Dr Khetan

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

- 17th January 2019; Haldi Kumkum programe on occasion of Makar Sankranti, and a movie was shown on “Savitribai Phule - Ek Jyot Kranti ki” based on life of Savitribai Phule and participants expressed their views as “Aplya Manatil Savitri, Vicharana Dya Chalana”. The program was a grand success with around 60 participants.
- 9th April 2019; A lecture was organized on “Aura Reading & Aura Analysis” by Guest Speaker Dr. Anup Deo in the JMLT, the program was a grand success with around 100 participants
- 27th March, 2019: Woman Development Cell, felicitated women of our twin institutions to celebrate Woman’s Day 2019 to recognize their able leadership in their respective fields. This is new concept put forth by the President and Dean Dr. Hemant Deshmukh and this was very well appreciated by everyone.
- 11th October, 2019: Woman Development Cell in collaboration with the Dept. of Community Medicine organized a guest lecture on “ Hazards of Waste Plastic and way Forward” by Dr Medha Tadpatrikar, Director, Rudra Environmental Solutions (India) Ltd., in JMLT, as a part of “Plastic Waste Free campaign - Swachhata Hi Seva 2019”, by Ministry of Human Resources, Govt of India. Street play competition and Making usable items from plastic waste competition were also organized. Three nursing teams took part in the street play competition while 21 participants were in the usable item competition.

Support Services

Support Services

Diet Department

Dietitian

CVTC

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

Diet Dept.

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

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

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

AKD Dietitian

Daily rounds in AKD wards namely:

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

Endocrine Dietitian

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

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

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

Library

Highlights & Achievements

- Seth G.S. Medical College, Library Subscribed 143 journals, and purchased 66 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 147 e-books and 146 e-journals available on "Ovid MD" medical database.
- More than 10000 e-books and more than 3000 e-journals and Dissertation & Thesis (1637- current) are available. "Times of India" (1838-2007) are also available on "Proquest" medical database. Links are available to all on Intranet.
- 114 books are available in Thieme MedOne Education.
- Subscribed following 7 databases online access to all Databases is available on Intranet.
 - o Clinical key
 - o Proquest Health & Medical Complete
 - o Ovid MD
 - o Acland Anatomy
 - o Up-to-date
 - o Thieme MedOne Education
 - o BMJ-Case Report
- Arranged orientation programme for first year undergraduate students on 2nd and 28th Aug.2019.
- Started wifi facility for Postgraduate students.
- Holdings
- Library journals' holdings are available on the KEM Website on Internet. Updated Library books' 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.25,00,000/- 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.
 - o BMJ resources – Oct. 2019
 - o b) J-Gate - Oct. 2019
 - o Access Medicine - Nov. 2019

Looking Ahead

- To subscribe more databases and planning to subscribe more e-resources, so that Doctors will get relevant latest information immediately on Intranet. We have arranged following user training programmes for Institutional members.
 - o Clinical key - 14/01/19
 - o BMJ Case Reports - 25/03/19
 - o NML - 09/7/19
 - o Ovid - 23/07/19
 - o Clinical key - 18/12/19
- It is proposed to provide 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 tables and steel chairs and 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.

- Dr. H. Deshmukh - The Dean
- Dr. Gita Natraj - Prof.I/c,Library
- Dr. S. V. Parulekar – Member
- Dr. Bhuiyan – Member
- Dr. Amita Mehta – Member
- Dr. C. T. Deshmukh – Member
- Dr. Nithya Gogtay – Member
- G. S. of Student - Member
- 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 in 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 25th September in KEM hospital. The pharmacy department organized group competition, to celebrate the day. Motivational lectures were delivered to hospital pharmacists on patient counselling.
- Pharmacy department has initiated overall medicine monitoring along with Clinical Pharmacology department's ADR and medicine monitoring team.

The pharmacy department conducts annual training for D. Pharm, B. Pharm and M. pharm interns from different Pharmacy colleges across the state in collaboration with Department of Clinical Pharmacology, KEM Hospital, Mumbai.

Staff

- Mr. Prakash. G. Mahale - 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

Social Service

Highlights & Achievements

- M/s All Cargo through CSR funds are supporting patients suffering from CA Breast for medicines

- G.T. Seth Trust providing finance for medicines to all department patients in emergency
- Aadi Jin Yuvak Charitable Trust help for medicines and equipments

Patient care

- Counselling, donations & rehabilitation of patients. Total no. of patients counselled by CDO's- 31,888
- In collaboration with NGO Nareindas Morabai Budhrani Trust counselling services by trained CDO's and Psychologists. Financial support for Haematology & Chemotherapy patients and Breast OPD cancer patients

Community care

- Awareness programme with Anti-Drug Abuse and HIV - AIDS with BMC employees with spouses at various places
- Awareness programmes with Anti Narcotic Cell
- Awareness programmes on Domestic Violence
- Dementia Awareness at 'F' South
- Bone density testing for 107 patients at Savli Premises

Education (Including student activities)

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

Donation & Grants

- Total patient specific donations collected by COD's for patients' surgeries and medications: 8,77,57,913/-
- Stools and chairs provided for patients and relatives in the wards.
- Tables and chairs provided for doctors in the OPD's
- Water filters in the wards I OPD
- Donation for wheel chairs, walker, Trolleys, Waterbeds, Refrigerators in the OPD's
- Distribution of fruits, dry fruits, mattresses, bed sheets, blankets, bags, cloths, toys and entertainment articles, notebooks, etc. for the patient
- Distribution of Aid beds, Diapers, Suction Machine, Central Line, BP Monitor for the patient.
- Distribution of lunch, breakfast and evening tea with snacks to patient relatives.
- Distribution of lunch for Thalassemia patients
- Elisa Microplate Reader arranged in the Blood Bank
- Fully Automated Coagulometer Machine for patients provided in Haematology Department
- Multipara Monitor for Anaesthesia Department
- Micro Motor Drill Machine with accessories provided in ENT Department
- Capsule endoscopy machine provided in Gastroenterology Department
- Microwave tissue Ablation Machine provided in Surgery Department

Looking Ahead

- Identify and tap new donors for the benefit of patients and patient care
- In-house training programme and lectures for CDO's
- Rehabilitation for the patients with the help of donors in KEM Hospital campus.
- Separate building for patient's relatives for stays in the campus

Committees

- CDO's are in Ethics Committee
- CDO 's are working with Domestic Violence Committee
- CDO's are in sexual harassment committee at work place
- CDO's are in Women Development Committee

Contact Information

Contact Information

Department name	Designation	Mobile no.	Intercom	Landline no.	E-mail Address
Administration					
Hemant Deshmukh	Dean		7700	24107862	---
Milind Nadkar	Academic Dean		7020	24107862	
Nirmala Barse	Deputy Dean I		---	---	---
Chetna Kantharia	Deputy Dean II		7053	---	---
Manoj Telkatvar	Asst. Dean		7032	24107032	---
Mr Shahane	Jt. Ch. PO.				
Shamal Patole	A/O K		7019	24107019	---
Udaya Pangam	A/O Nursing		7442	24107442	---
Seema Mhatre	A/O G				
Mr Solanki	A/O Labour		7442	24107442	---
Anagha Patwardhan	A/O College		7434	24107434	---
Jalandhar Chakor	A/O Store		---		
Rajesh Kurhade	H/C GSMC		---	---	---
Namrata Dolas	Personal Asst. to Dean		7020	---	namrata1dolas@gmail.com
Support Services					
Engineering (Civil)					
SandipKumar A Wagh	AE	8104943427	7454	---	---
Suresh Devle	Junior Engineer	9820967247	7454	---	---
Sagar Kore	SE Civil	9773711073	---	---	---
Amol Jadhav	SE Civil	9136199555	---	---	---
Prasad R Gosavi	Sub Engineer	9987175076	7454	---	---
Nikhil N Nalawade	Jr. Engineer	9594519381			
Engineering (Mechanical & Electrical)					
Jayant Shirsat	Asst. Engineer	9029277375	7030	24107459	---
Neha Sankhe	Asst. Engineer	9029212943	7768	24107799	hitenrane@gmail.com
Ananda Gawli	Sub Engineer	9969061104	7868	24107456	amolforall@gmail.com
Sushas Mukadam	Sub.Engineer	9892757434	7456	24107456	---
Hiten Rane	Sub Engineer	9324647185	7799	---	---
Rajesh Badwaik	Junior Engineer	9665335753	7456	---	---
Furniture & Linen					
Dilip Pratap	Head Clerk	---	7403	24107403	---
Nursing					
Pratima Naik	Matron		7013	24107013	---
Kusum Katakdaund	Sr. Asst. Matron				
Lata Kamble	Sr. Asst. Matron	---	7013	---	---
Sindhu Mane	Sr. Asst. Matron				
Alka Patil	Jr. Asst. Matron	---	7013	---	---
Smita Jugadia	Jr. Asst. Matron				
Sushila Kori	Jr. Asst. Matron				
Akshara Shelke	Jr. Asst. Matron	---	7013	---	---
Social Service					
Sangeeta Kasbekar	HOD SSD I/C	9819416338	7075	---	---
Sadhana Bhatkhande	CDO	---	7421	---	---
Shambho Dalvi	CDO	---	7311	---	---

Department name	Designation	Mobile no.	Intercom	Landline no.	E-mail Address
Tara Kedare	CDO	---	7055	---	---
Ravindra Ingole	CDO	---	7484	---	---
Kishore jadhav	CDO	8097470944			
Rajesh Kamble	CDO	---	7421	---	---
Subhash Salve	CDO	9869001865	7430	---	---
Prakash Sawant	CDO	---	7489	---	---
Narayan Kokani	CDO	9869654784	7421	---	---
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MEMORIES OF 2019



2 KEM patients first to get new device to treat aneurysms

The WEB device was recently approved by FDA; top French neuro interventionist per...



TIMES CITY

पुढारी

देशातील शासकीय रुग्णालयांचा यादीत केईएम ५ व्या क्रमांकावर सासिकाचा अहवाल

Dr. Amruta Achavale, who heads the department of medicine at Parel's hospital, said persistent mildity levels of less can spell bad news for mucous starts accumulating and worsening things patients. But lack of low vitamin B complex levels can make things she said. Chest physio Subject Rajan can continuous rate level

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KEM Hospital was among the first medical colleges in the country to take up medical humanities in 2010. "It now opera-

tes as a department," said KEM Hospital dean Dr Hemant Deshmukh. His predecessor, Dr Avinash Supe, had written about the importance of medical humanities and ruded the holistic approach to "Due to an objective, something roach, as a case, not In the Indian Journal 'chies', doctors cherry Institut ences wrote abo ence with integ humanities, un

तरुण भारत

लाकग्रंथीतील स्टोन ओपीडीमध्येच काढला

अंतर्गत

दीड महिन्याच्या बालिकेला 'केईएम'ने दिले जीवदान

शास्त्रक्रियेमुळे श्वास घेणे शक्य झाले

मुंबई, दि. ३ (प्रतिनिधी) - जन्मत:च नकारा रवास घेण्याची अशक्य झालेल्या सहा-वर्षीय दीड महिन्यांच्या बालिकेला केईएममधील शास्त्रक्रियेमुळे जीवदान मिळाले. बंद झालेला श्वासमार्ग एन्डोस्कोपिक शास्त्रक्रियेद्वारे खुला झाल्याने श्वासदाते वशिला श्वास या चाकिने केईएम रुग्णालयात येताना, दुर्घटनेला ओट वरचे हदयरोमाने झालेल्या



फूटुंबंकट्टा

इन्हेलरचा वापर समज-गेरसमज

आज घुम घालण्यात येणारे इन्हेलर इन्हेलरचा वापर करताना काय करावे, काय करू नये याबाबतचे प्रश्न उत्तर देण्यासाठी, एम्स रुग्णालयात आयुष्य शिबिर आयोजित करण्यात आले. डॉ. प्रमोदराव शिंदे यांनी या शिबिरात भाग घेतून डॉ. प्रमोदराव शिंदे यांनी या शिबिरात भाग घेतून डॉ. प्रमोदराव शिंदे यांनी या शिबिरात भाग घेतून...