



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

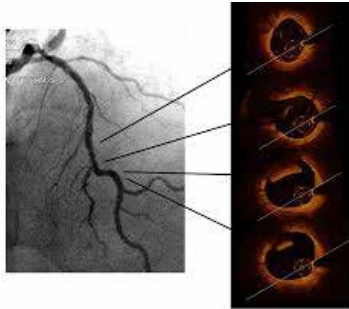
Municipal Corporation of Greater Mumbai

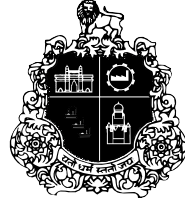


ANNUAL REPORT

2017







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

A N N U A L R E P O R T
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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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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 2017 was marked by several achievements. New equipment and services were made possible through funds from the municipal corporation, government agencies and munificent donations of individuals and trustees. To name a few- the Biochemistry department acquired four automated analyzers, the Cardiology department added two state-of-the-art computerized stress test (CST) machines, thereby reducing the waiting period for patients, Chest medicine started a sleep laboratory and clinical pharmacology inaugurated a pharmacogenetics outpatient clinic. ENT started profile Cochlear transplants and the liver ICU construction was completed. Hematology inaugurated a new day care center and the NABL assessment was again successfully completed by Microbiology. Neonatology established a 2D ECHO while Nephrology inaugurated several speciality clinics [lupus, pre-dialysis, glomerular clinic]. A large number of epilepsy surgeries were conducted through collaborative efforts of the Neurosurgery and Neurology departments. The first state of the art PET CT machine in MCGM hospitals was acquired by the nuclear medicine department. A pediatric ophthalmology clinic was inaugurated in Ophthalmology while Orthopedics pioneered a “in search of excellence” management protocols for several sub-specialties. Radiology is being upgraded with the latest State-of-the art infrastructure with the installation of 1.5 Tesla strength Magnetic Resonance Imaging (MRI) while Urology has been regularly performing laparoscopic donor nephrectomy; the only department in MCGM doing so. The department also has an advanced oncology and reconstructive surgery program that is running successfully.

A glorious paradox of an educational institute is that while the alumni grow old, the Alma Mater grows, forever young. It is hoped that these developments will constructively change the institutes for betterment of patients, greater efficiency of its enormous staff and help sounder training of its students and resident medical doctors, not to forget the support staff, nursing school and her alumni. At the end of the day, however, as several thousand patients walk through these hallowed portals each year with hope in their hearts, it will remain our primary responsibility to ensure that they get the best medical care from kind, caring and compassionate physicians, hands that comfort, soothe and heal. In the words of Bob Dole, “When it’s all over, it’s not who you were. It’s whether you made a difference”.

an supe

Avinash Supe

Dean - Seth GS Medical College and KEM Hospital

January 2018

Editor's Note . . .



At the dawn of 2018, we are ready to embark upon another journey and look forward to yet another foundation day. It is now time to take stock and look at the year that was- what was achieved, what went wrong, where could we improve and how we can move forward. This annual report in its individual chapters looks at the work, the teaching, the research, publications, awards, achievements and much more. While the general format of the report has remained the same, it has nonetheless chronicled the numerous changes, minor and major that have taken place in the last 12 months.

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

While the compilation has been done over a month with utmost care; the sheer magnitude and diversity of the report may have led to omissions and inadvertent errors. I request the staff members to bear with me. Efforts have gone into making the document comprehensive, yet discerning. It is hoped that as one sifts through the pages, the quality and quantum of patient care, education and research come through and we look ahead to 2018 with new hope and zest.

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

Nithya Gogtay

Editor – Annual report 2017

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

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

Vital Statistics

Sr. No.	Description	2017
1	Scheduled Beds	2,250
2	Total No. of Admissions	81,922
3	Average Daily Admission	224
4	Total O.P.D. attendance [new]	6,48,441
5	Total OPD attendance [average of new patients]	2,161
6	Total OPD attendance [old]	13,18,725
7	Total OPD attendance [average of old patients]	4,396
8	Total OPD attendance (New & Old)	19,67,166
9	Average Daily OPD attendance (New & Old)	6,557
10	Total Surgeries	58,702
	Major	28,527
	Minor	30,175
	Scopies	9,946
11	Total Deaths	6,063
12	Death Rate	7.40 %
13	Total attendance in Casualty	1,95,138
14	Total No. of Medico-Legal cases	31,312
15	Total No. of In-patients days	5,90,390
16	Bed Occupancy [average daily occupancy]	1,617 (90 %)
17	Average in-patients stay [days]	7.21
18	Total No. of Deliveries	6,806

Human Resources - Outline

Nursing staff

• Matron	001
• Sr Assistant Matron	003
• Jr Assistant Matron	003
• Principal	001
• Sister	114
• Sister Tutor	028
• Ward assistant	020
• Theater Assistant	010
• Theater Suptd	001
• House keeper	001
• Staff Nurses	701
• Student nurses	100 each in 1 st , 2 nd , 3 rd and 4 th year

Undergraduate Medical Students

• Ist MBBS	179
• IInd MBBS	182
• III year- first part	183
• Final year MBBS	181

Admissions

• MD/MS	205
• Diploma	052
• DM	025
• Mch	018
• M O Th	010
• M P Th	020
• MSc	012
• MSc – by research	003
• PhD	008
• PG DMLT	010
• B O Th	040
• B PTh	040

Filled posts- Clinical Departments

• Professor	075
• Associate Professor	102
• Assistant Professor	180

Filled posts – pre and para clinical departments

• Professor	030
• Associate Professor	066
• Assistant Professor	104

Junior residents

• 1 st year	235
• 2 nd year	234
• 3 rd year	206

Senior residents

• 1 st year	043
• 2 nd year	042
• 3 rd year	040

Other residents

• House officers	012
• Registrars	047
• Fellows	017

Achievements and Highlights

Achievements and Highlights

Anatomy

- Modernizing and digitalizing of Lecture theatre 3 ongoing as a part of National Medical College Network Project. A digital podium has been installed. Connectivity has been established between lecture theatre 3, dissection hall and microanatomy laboratory. The lecture theatre 3 connectivity allows the lectures / programs to be webcast to other colleges also.
- The department organized Open Book Quiz on Cardiovascular system which was conducted by Dr Anil Tendolkar, Former Professor and Head of Unit, CVTS of the institute.

Anesthesia

- USG guided central and peripheral lines in high risk patients
- Video-endoscopic intubations in difficult cases
- Anesthesiology department catered to 43 operation theater tables located in 15 OT complexes. Anesthesia services were given to about 63,000 surgical patients & the department catered to 28,000 Anesthesia OPD patients for pre-operative evaluation.
- Special post-operative pain relief services and anesthesia intensive care unit.'
- A regular pain clinic service
- Anesthesia services given for workshops conducted in the following specialties: Pediatric Surgery OT, GI surgery OT, Orthopedic surgery OT, Urology OT & Plastic Surgery OT.

Biochemistry and Clinical Nutrition

- Two new Olympus AU 680 Fully Automatic Biochemistry Analyzers and TWO new Trans Asia Semi auto-analyzers were installed.
- Conducted 13th Good Clinical Laboratory Practices Certificate Course from 12th to 14th September 2017. 40 delegates participated from all over Mumbai.
- Department conducted a lecture series on "Renal Chemistry under the aegis of Association of Clinical Biochemistry of India" on 4th August 2017. This attracted 120 participants from all over Mumbai.

Cardiology

- Several complex interventions were performed in the cath lab, including transcatheter closure of ischaemic VSR, neonatal AP window, RSOVs, neonatal BAV, BPV, coarctoplasty and PCI of chronic total occlusions, left main coronary lesions and complex bifurcations.
- The diagnostic capabilities of the department improved with addition of two state-of-the-art computerized stress test (CST) machines, thereby reducing the waiting period for the ever increasing number of the patients in need of cardiac care.
- The Dept of Cardiology at KEM hospital became one of the first civil run hospitals in the state to acquire Optical Coherence Technology (OCT) system, a modern cutting edge technology promising to enhance accuracy of percutaneous coronary intervention. A major workshop for orientation of this novel technology was organized in the department on 6th April 2017 under the proctorship of Dr Giulio Guagliumi from Italy, a pioneer in this field.

Chest Medicine & Environmental Pollution Research Center

- With sustained efforts of Director (ME& MH), a new Sleep laboratory has been installed in June 2017. It has facility of doing level I sleep study
- A Lecture series through audiovisual centre at GSMC was delivered to NRHM Diploma students

CVTS

- Minimally Invasive Cardiac Surgery gained momentum and now includes surgeries of congenital heart disease, valve replacements, valve repair, single and multi-vessel coronary disease. Number of cases performed using minimally invasive surgery reaching 75.

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

Clinical Pharmacology

- Started the Pharmacogenetics OPD in September 2017
- Started blood level estimation of anti-epileptic drug Levetiracetam for patient care
- Vigiflow Pharmacovigilance Advanced Training workshop conducted in June 2017 on behalf of the Pharmacovigilance Program of India

Community Medicine

- The Department has now acquired administrative and functional control over Naigaon Maternity Hospital, as per AMC (W.S.) orders. This Maternity Hospital will be re-structured as Urban Health Centre, fulfilling all requirements of MCI.
- The Head of the Department, Dr. R.R. Shinde was invited by the parliamentary Committee, Govt. of India to present his Views on "Reforms in Medical Education in India"
- The Department has established its partnership with Family Welfare Training Centre, Govt. of India to implement Programs of MOHEW, GOI
- The department was awarded a Research project of National Importance by ICMR entitled "Effect of Pesticides on the population in the vicinity"
- The department was awarded a research project on
 - A. "Epidemiological Assessment of Leptospirosis rural/Urban differences.
 - B. Epidemiological basis of maternal Death review" by the Directorate of Health Services & MCGM
- Conducted 12 training workshops covering 600 Resident Medical Officers on various topics including Right to Information of Ebola, H1N1, Yellow fever Control, Research Methodology, National Health Policy etc under MUHS
- The department was involved as a consultative partner for "Stop TB initiative" by WHO/GOI and for "Swachha Bharat Mission" GOI

Dermatology, Venerology and Leprosy

- Patient care: Newly installed combined PUVA and narrow band UVB chamber in the department benefitting patients with various dermatological disorders.
- Research: Initiated research projects in collaboration with ICMR immunohematology, biochemistry and clinical pharmacology departments.

Dentistry

Three Continuing Dental Education programmes were organized by Abbott laboratories at GSMC between February 2017 and August 2017 on following topics:

- Dealing with flare ups in endodontics:
- A clinical approach, Perio aesthetics for general dentists
- Minimally invasive aesthetic dentistry; a need of the hour.

Endocrinology

- Webinar with the Michigan University Endocrinology once every two months for discussion of interesting cases
- Webinar with CMC Vellore Endocrinology once every month for discussion of interesting cases.

ENT

- Organized live workshop on Laryngo tracheal surgeries from 6th to 7th August 2017 as a faculty with Dr. Monnier from Switzerland at KEM hospital in association with Prince Aly Khan Hospital.
- Organised T-O Shah Oration by Prof. Prabodh Karnik on Brand Equity of being an ENT surgeon from KEM" on 19th April 2017
- Started Profile Cochlear Implants.
- Organized cadaveric dissection and attended live surgical 3 D Endoscopic skull base workshop from 19th to 21st May

2017 at the institute.

- Organized lectures on international world deafness day at KEM hospital on 15th June 2017
- Organized a lecture in association with Womens Development cell on “Health Impact of Wireless Radio Frequency Radiation by Dr. Vikas Nehru, at KEM Hospital on 4th October 2017

Forensic Medicine

- Organized XXXVIIIth Annual National Conference: Forensicon 2017 of Indian Academy of Forensic Medicine on 23rd, 24th & 25th February 2017.

Gastroenterology

- Liver clinic was established
- Liver transplant OPD was started.
- 6 bedded liver ICU construction has been completed.
- 1st Gastro research society meeting in June 2017.
- POEM (Peroral endoscopic myotomy) workshop in June 2017.
- World Hepatitis day program “Awareness on Hepatitis for health care workers” in July 2017

Hematology

- New haematology day care centre was renovated in multispecialty building 11th floor with the help of NATCO trust

Medicine

- New facilities added in the department including Digital instruments for BP measurement in HT OPD, both limb simultaneous BP Measurement instrument, Ambulatory BP Machine.
- Awareness programme and Yoga and relaxation therapy in collaboration with Occupational therapy, Psychiatry and Community Medicine departments.

Microbiology

- The department successfully cleared the desk top assessment for continued NABL accreditation as per ISO 15189:2012 for all the tests carried out in its divisions of bacteriology, mycobacteriology, mycology, parasitology, serology and virology and immunology valid for a period of one year.
- The department has performed consistently well in the EQAS administered by Indian Association of Medical Microbiologists, PGIMER Chandigarh, RNTCP, NACO, NARI as applicable.
- TB culture and drug susceptibility testing laboratory was established.
- Department of Microbiology has been identified as one of the medical college laboratories under the Virus Research and Diagnostic Laboratory (VRDL) Network under DHR/ICMR.
- Hepatitis B vaccination drive for Class IV employees was successfully carried out with 1159 recipients by K.E.M.H.I.C.

Neonatology

- Initiation of 2D Echo facility in NICU
- Initiation of cranial, lung and abdominal USG facility in NICU
- Dr. Ruchi Nanavati awarded as “Officer of the Month” in January 2017 by Honorable Municipal Commissioner of Mumbai for the excellent patient care in Neonatology and for renovation to the state of art NICU in KEM Hospital under CSR project with Mazagon Dock Shipbuilders Ltd.
- Department of Neonatology recognized as the regional “Regional Collaborative Center for Facility Based Newborn Care” under National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India.

Nephrology

- Establishment of New specialty clinics – Lupus Nephritis, CKD Pre-dialysis clinic, Haemodialysis, CAPD and glomerular clinic in department.

- Department has done 19 live related and One deceased donor transplant with 100% graft and patient survival.
- Emergency Bed-side hemodialysis facilities started due to portable Reverse osmosis unit became available.

Neurology

- Epilepsy Surgery conducted on 4- month old infant
- Forty five stroke patients were thrombolysed
- A total of n = 558 surgeries were conducted

Neurosurgery

- Developed and streamlined the technique of “micro myelotomies” for intramedullary tumors
- Developed techniques for radical excision of Craniopharyngioma
- Cranio-cervical stabilization and techniques for developmental anomalies of the C V junction
- Procured two Leica 3D state of art microscopes with high definition camera for neurosurgery operation theatre.

Nuclear Medicine

- Installed PET /CT machine – 1st state of art PET/CT machine in the MCGM and state Govt Hospitals.
- Introduction of many PET/CT related investigations: - Whole body PET/CT, Limited body PET/CT, Cardiac PET/CT, Brain PET/CT

Nursing

- Sister in charge Ophelia Gomes received best nurse award by the Mumbai Medical Foundation
- Mayor's ward received by Anuradha Parade and Sweta Parab [sister in charge]

Obstetrics and Gynecology

Innovations

- Parulekar SV: Blanching test for diagnosis of uterine leiomyoma.
- Parulekar SV. Uterosacral shelf for cystocele repair.
- Inside Out Transobturator Tape Insertion Using Shirodkar's Sling Needles.
- Balloon Catheter Dilatation Of Vaginal Stenosis Post Vaginal Septum Excision.
- Publication of 'Evidence Based Labor Ward Practice Guidelines
- CME: “Obstetric and gynecological aspects of tuberculosis” (05-04-2017)
- CME: “Female genital tract anomalies” (04-10-2017)

Workshops for resident doctors

- Research methodology, Good clinical practice, Communications skills, Time management, Stress management

Occupational Therapy

- Caregiver education based on the neurobehavioral cues of the preterm and low birth weight infants – in pediatric Occupational therapy unit
- Early intervention of high risk infants through telemedicine in rural parts of Maharashtra.
- Hemophilia Prophylaxis group for children since a year, which has significantly reduced the disability amongst the children from CVTC OT department
- Neuro-rehabilitation is having an additional feature of providing Physical Agent Modalities.
- Educational and motivational posters for patients of Surgery and Diabetic foot were designed and displayed in all 4 surgery wards and burns ward from Occupational Therapy dept unit of Surgery.
- Conducted inter-collegiate street play competition on World Bioethics Day, 12th Oct 2017 as part of Bioethics Unit activities, based on the theme of Equality, Justice and Equity.
- Conducted one day workshop on, “Introduction to Bioethics Principles” with Postgraduates and Interns of Occupational Therapy in Feb 2017.
- Conducted three days workshop “Neurodevelopmental Care in NICU” on 28th -30th November, 2017 jointly with Neonatology.

Ophthalmology

- Pediatric Ophthalmology clinic started on 15th November 2017, runs every Wednesday
- Street play **conducted** for eye donation awareness

Orthopedics

- Department of Orthopaedics “In search of excellence” has protocolled the patient management in sub-speciality of spinal surgery, arthroplasty and arthroscopy.
- Several training courses conducted – shoulder course, pelvi-acetabular course, basic arthroplasty, fracture fixation, spine – basic and advanced and basic arthroscopy

Pathology

- Up gradation and Automation of the Emergency Medical Laboratory Services in Pathology, Surgical Pathology & Cytology, Cardiovascular Pathology, Hematology & Clinical Pathology, Neuropathology & Out Patient Department of laboratory for better services and timely delivery of reports.
- Expansion of Immunohistochemistry for Tumor typing with addition of more antibodies
- Continuing participation in External Quality control program for hematology, histopathology with AIIMS, lipid and enzyme biochemistry with CMC Vellore and Randox Laboratories, UK, and cytopathology with Tata Memorial Hospital.
- Automation of hematology using 5-part & 3-part differential blood cell counter.
- Participating in External Quality control program for hematology & cytology with AIIMS.

Pediatric Surgery

- AESCULAP 3D Laparoscopy Set (First in Govt.institute in Maharashtra-fully operational)
- Modular OT set up work complete and soon to be operationalised

Pediatrics

- New patient services offered by Pediatric Research Laboratory [in collaboration with Department of Clinical Pharmacology, TDM OPD]: Plasma Levetiracetam drug level estimation [Standardization of analytical method for estimation of plasma Levetiracetam level].
- Three new patients with lysosomal storage disorders approved for receiving enzyme replacement therapy in 2017 (a total of 13 patients receiving drugs worth more than INR 5 crore every year in KEM Hospital through charitable access pathways).
- “IAP ORS Week Celebration” in July 2017 (Co-ordinated by Dr. Mukesh Agrawal & Dr. Swati Gupta).

Pharmacology and Therapeutics

- Team of II MBBS students of Seth GSMC & KEMH, August 2016 batch won the trophy for “Dr. A. S. Paranjpe Pharmacology Intercollegiate Quiz”, organized on 6th September 2017 at Seth GS Medical College & KEM Hospital, Mumbai.
- Organized 9th National level workshop for postgraduates of Pharmacology “PHARMATECH 2017- Frontiers in Pharmacology” at Seth G. S. Medical College & KEM Hospital, Mumbai from 8th -17th February, 2017. 105 participants from all over India attended the same.
- Faculty members and postgraduate students bagged 2 awards for paper presentation at different National conferences / events held this year.
- The faculty members conducted 3 day workshops on Research Methodology & Biostatistics at Terna Dental College, Navi Mumbai, MGM Dental College, Navi Mumbai, KJ Somaiya School of Physiotherapy College, Mumbai and Bombay Hospital Nursing College, Mumbai. They were also invited as guest faculty at various institutions to conduct sessions in Research Methodology workshops.
- Faculty conducted 6 GCP training workshops

Physiology

- Organized a guest lecture by Dr Sunil Pandya – Chair Medical Humanities Division
- In collaboration with the Indian Council of Medical Research, a conference on zoonotic diseases is being planned

Physiotherapy

- Physiotherapy School and Centre, Seth GSMC & KEMH received Medscape National Awards 2017 for “Excellence in Physiotherapy Patient Care, Education and Research”.

Plastic surgery

- Organized “Camp Karma” the 4th Burn survivor camp for children of our country from 3rd to 5th Nov 2017
- Organized “Live operative Brachial Plexus CME at KEM Hospital May 2017.
- 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 is run at the deaddiction centre daily.
- HITGUJ Mental Health helpline is set up by MCGM. . Total no. of calls at helpline for the period of January 2017 to December 2017 was 4556.
- Department of psychiatry KEM hospital had organized various programmes for creating Mental Health Awareness in the community
- Conducted clinical meetings for Bombay Psychiatry Society and several suicide awareness programs

Radiology

- The Radiology Department is being upgraded with the latest State-of-the art infrastructure with the installation of 1.5 Tesla strength Magnetic Resonance Imaging (MRI).
- The MRI machine, “MAGNETOM Aera” has been procured and installed at the ground floor of the old Building in the Radiology Department.

Social Service

- Symposium on “Communication Skills” for BMC hospital and Private hospital, CDO’s / MSW’s on 25th April, 2017
- Panel talks on suicides among youth and the Blue Whale game with experts from the field of Cyber Crime, Psychiatry, College student and College Professors for staff and students of KEM Hospital.
- Free breakfast and packed lunch provided free of cost for relatives of indoor patient through Jewalex Foundation, Rotary Club of Mumbai Nariman Point and Nana Palkar Smruti Samitee.
- MRI funds for 1000 patients of the KEM Hospital through Bharat Petroleum Corporation Ltd under CSR.

Surgery (General Surgery)

- Dr Abhay Dalvi Invited to the post of Joint Secretary of the Association of Surgeons of India (ASI) for 2018 – 19.
- Dr Abhay Dalvi invited as Executive Committee member – Association of Minimal Access Surgeons of India (AMASI)

Surgical Gastroenterology

- Conducted CME on Portal Hypertension
- Conducted organ retrieval workshop on cadaver models
- Conducted lap coloproctology workshop
- Performed liver transplant surgeries

Transfusion Medicine

- Department awarded NABH Accreditation by NABH-National Accreditation Board for Hospitals and Health Care providers, Quality council of India, New Delhi.
- Dr Jayashree Sharma passed the NABH Assessor course and has been empanelled as Assessor for carrying out assessment of blood banks/ blood centres against NABH Accreditation standards in Blood Banks.
- Dr Jayashree Sharma has been appointed as Chairperson for Quality Review Panel. (constituted by Haemovigilance Programme of India, National Institute of Biologicals, Ministry of Health & Family Welfare, New Delhi)

Urology

- Procured Laparoscopy endo-trainer device to train postgraduate students in basic Lap. Procedures before they perform them on patients.
- Only department in the state of Maharashtra which has started and has been regularly performing laparoscopic donor nephrectomy in public sector hospital.
- Started the advanced laparoscopic program along with advanced oncology & reconstructive surgical program

Awards and Honors

Awards and Honors

Anatomy

- Dr. Sarika Dakare was ranked first in the MD - Anatomy examinations conducted by MUHS in May 2017.
- Postgraduate students Dr. Juned Labbai and Dr. Pampi Ranjan won the first prize in the Postgraduate Anatomy Quiz held at World Congress of Anatomists at Gadag, Karnataka.

Biochemistry and Clinical Nutrition

- The Awadesh Saran Memorial oration - "Towards patient centred healthcare - A Biochemist's responsibilities." National Conference of Association of clinical Biochemists of India on 4th December 2017, at Lucknow.
- First position was bagged at 'State level quiz in Biochemistry', conducted by department of Biochemistry, LTMMC, Sion.

Cardiology

- Dr. Prafulla Kerkar—Elected as organizing Secretary for the 70th annual conference of Cardiological Society of India (CSI) to be held in Dec 2018 at Mumbai.
- Dr. Dhiraj Kumar secured 1st rank in DM Cardiology Examination held in year 2017 by the Maharashtra University of Health Sciences, Nashik

Chest Medicine

- Dr. Prabodh Garg won the Torrent Young Scholar Award 2017
- Dr. Mihir Gangakhedkar was awarded Best speaker at national level at TYSA 2017
- NAPCON Quiz 2017, Dr. Mihir Gangakhedkar & Dr. Aditi Shah stood 5th in National round.

CVTS

- Dr. Abhisekh Joshi received Gold medal in MCH CVTS from MUHS Nashik
- Dr. Deepak Bhavsar got 2nd Rank in MCH CVTS in the university (MUHS, Nashik)
- Dr. Parishwanath Patil as first Prize in quiz AA 2017 IACTSCON 2017 Bangalore
- Dr. Menander received First Prize at Mid Term CME 2017 in Pune

Clinical Pharmacology

- Best paper award [oral presentation] for the study entitled "Survey of Public Knowledge and Perceptions about clinical research in Mumbai at the 10th annual meeting of the Indian Society for Clinical Research
- Best paper award [oral presentation] for the study entitled "Association between genetic polymorphisms of CYP2C9 and VKORC 1 on the safety and efficacy of warfarin – results of a 5 year audit at the at the 10th annual meeting of the Indian Society for Clinical Research, Mumbai
- Best paper award (poster presentations) for study entitled A three-year analysis of retracted articles from Pubmed indexed core clinical journals- [awarded to Dr Nayan Chaudhari, First year DM resident]
- Best paper award (poster presentations) for study entitled Do Clinical Trials conducted in India match its healthcare needs? An audit of the Clinical Trials Registry of India [CTRI] - [awarded to Dr Nithya Gogtay, Additional Professor]
- Dr Nithya Gogtay was appointed as Member Board of Studies at AIIMS, Bhubhaneshwar
- Second prize for "One year audit of studies registered retrospectively with the Clinical Trials Registry of India [CTRI]- Dr Amit Birajdar

Community Medicine

- Dr. Anusha C.P received Best oral paper at IPHA 2017
- Dr. Anuradha Mohapatra received Best poster award at International Conference by NIRRH (ICMR) and First Prize in

oral paper presentation at FWTRC national Conference.

- Dr. Shrui Shastri received Best e poster at IPHA 2017

Dermatology

- Dr. Hershada Mithari got 1st prize in E-poster ASIA, Pacific Summit on Dermoscopy 2017 (APSOD) for research entitled “Dermoscopy of plane wart like seborrheic keratosis”
- Dr. Akansha Chhada got Prize in E-poster Mid dermacon 2017 for research entitled “Histoplasmosis in immunocompetent patient”
- Dr. Mithali Jage got a Prize in E-poster section in Dermacon 2017 for research entitled
- Periorbital melanosis
- Dr. Nitya Malladi received the Best resident Award

Dentistry

- Dr. Nanda Pai was invited as a judge for a poster session and attended the 42nd annual conference of AOMSI jointly with European association for craniomaxillofacial surgery held at Nagpur from 16th to 19th November 2017.
- Dr. Nanda Pai was invited to deliver a lecture on “Dental Management in Hemophiliacs” at a workshop on Sickle cell anemia, Haemophilia and Thalassemia on 23/03/2017

Endocrinology

- Dr. Tushar. R. Bandgar was awarded for Dr. Subhash Mukherjee Memorial Infa India Oration” at ESICON 2017 for best clinical research, best conclusion of paper and best diagnosis in short case

ENT

- Dr. Yogesh Parmar final year student received 1st prize in DR. J. V. DESA Resident paper award on, “Pediatric DCR, A Challenge: our journey” In Mumbaicon 2017, held on 4th-5th March 2017, Mumbai
- Dr. K.P. Ashwathy received 1st prize in S.P. Lunawat award at MENTCON 2017 held at Grand Hyatt in Mumbai on December 16 2017. Title of paper: “Narrow Band Imaging in head and neck neoplasm- An early insight.”

Medicine

- Best paper award at Annual Conference of Hypertension Society of India, Kolkata, 18th to 20th August 2017, paper presented by Dr Nigar Ansari (PG Student)

Microbiology

- Dr. Gita Nataraj – Member, Committee on State Antibiotic Policy
- Dr. Nayana Ingole – Member, committee to formulate National Guidelines on Viral Load Testing (NACO).
- Dr. Nayana Ingole was invited by Central TB division to conduct initial assessment and gap analysis for TB Culture and DST laboratories.
- Dr. Nayana Ingole - Resource person, Training on QMS in CD4 testing by NACO.
- Dr. Swapna Kanade received Dr A.N Supe best published paper award for 2016 for paper titled “Fluorescein diacetate vital staining for detecting viability of acid-fast bacilli in patients on antituberculosis treatment”.
- Travel Grant awarded to Ms. Devi Bavishi (MBBS student) for presenting paper entitled ‘Are we neglecting *Streptococcus agalactiae* vaginal colonization in India?’ co-authored by Dr M.G Karmarkar and Dr Preeti Mehta at 1st International Symposium on *Streptococcus agalactiae* Disease (ISSAD), Cape Town, South Africa, 20th- 23rd February 2018
- Dr J.P Panda, PG student, received the first prize in quiz during the “Teaching Pathologists and Microbiologists Meet” held in April 2017.
- Dr. Richa Thakkar, PG student, received the second prize in quiz during the “Teaching Pathologists and Microbiologists Meet” held in March 2017.
- Dr Pinaki Patil, PG student, received the first prize in the oral paper presentation competition for residents, held by staff society, Seth GSMC & KEMH.

Neonatology

- Dr. Ruchi Nanavati was the National Expert of Facility Based Newborn Care Project under National Reproductive and Child Health Program, Ministry of Health & Family Welfare, Government of India
- Dr. Ruchi Nanavati was the Neonatal Resuscitation Program Regional Trainer for First Golden Minute project of Indian Academy of Pediatrics & National Neonatology Forum
- Dr. Ruchi Nanavati was a Member of Task Force on Standard Treatment Guidelines, An initiative by National Health Systems Resource Centre, Ministry of Health & family Welfare, Government of India
- Research entitled 'Comparison of non-synchronised nasal intermittent positive pressure ventilation versus nasal continuous positive airway pressure as post extubation respiratory support in preterm infants with respiratory distress syndrome: a randomized controlled trial' published in journal of Maternal, Fetal, Neonatal Medicine, awarded as best research publication on the foundation day of Seth GSMC & KEMH

Nephrology

- Dr. Sayali B. Thakare was awarded 3rd prize in the Poster presentation category at AVATAR, Goa, 2017, for the paper- "Traumatic chyle leak- A rare complication of tunnelled haemodialysis catheter insertion".

Neurology

- Dr. Rahil Ansari stood third in regional level at TYSA
- Dr. Amit Bhatti stood 2nd in University at MUHS DM Exam
- Dr. Mansi Shah stood 3rd in University at MUHS DM Exam
- Best DM Resident awarded to Dr. Amit Bhatti on 21 Feb 2017

Neurosurgery

- Dr. Atul Goel was elected as President – Elect of Neurological Society of India
- Dr. Atul Goel delivered Prof. V.K Kak oration at Jabalpur, September 2017
- Dr. Chagla was appointed as a neurosurgeon to serve on the Medical panel for the One Day International India v/s New Zealand 1st ODI Match on Oct 22, Sunday Wankhede Stadium, Mumbai
- Dr. Chagla was the Honoured Guest Speaker at The Chitra Neurosurgery Conclave 2017 where a CME in neurosurgery was organized on the topic Skull base approaches to difficult aneurysms in June 2017

Nuclear Medicine

- Dr Shwetal Pawar - UGC International travel grant for presentation of paper at SNMMI Annual Conference 2017 at Denver, USA

Nursing

- SR incharge Smt. Ophilia Gomes is awarded as best nurse in nursing care and communication by Mumbai medical foundation
- Incharge Anuradha Parade & S/N Shweta Parab received Mayor's award

Occupational Therapy

- Dr. Jayashri Kale: was conferred Professional Excellence Award by All India Occupational Therapist's Association at Jaipur in February 2017
- Dr. Mrs. Karuna Nadkarni was appointed a Judge for the 5th scientific program at Occupational Therapy Centre. Tata Memorial Hospital. Dec 2017
- Dr. Mrs. Karuna Nadkarni was appointed as a Chairman by the Planning Board, MUHS to conduct a Local Inquiry Committee Inspection at LTMMC & LTMGH, Sion. Mumbai in 2017
- Dr. Shilpshree Palsule received best scientific paper award for paper Functional Hand Assessments: A review from the Indian Perspective at 6th ISHT conference held at Mumbai.
- Dr. Shilpshree Palsule received Best hand gesture award for gesture titled 'Dysfunction to Function'

Ophthalmology

- Dr. Bhooshan Gandhi received first prize in PG quiz on glaucoma evaluation in Sion Hospital
- Dr. Bhooshan Gandhi received first prize in PG quiz on glaucoma management in Sion Hospital
- Dr. Bhooshan Gandhi received silver medal at GSBL
- Dr. Lisika Gawas was awarded junior Scholarship
- Dr. Lisika Gawas received 2nd prize at I Focus Talent Show

Orthopedics

- Dr. Kunal Shah winner of national level grand finale of TYSA 2017 orthopaedics (Torrent Young Scholar Award.)

Pathology

- 1st prize at Teaching Pathology Conference Quiz held at TNMC & Nair Hospital
- 1st prize for case presentation 'An Unsuspected Case of Primary Inferior Vena Cava Sarcoma' at the Cardiovascular CME - Grant Medical College
- First prize for the poster titled "Pure Leydig cell tumor of the ovary- a rare virilizing ovarian tumor in a young female" at Midterm CME on mysteries of female genital system pathology at AFMC Pune 29-30 April 2017: Dr Pranav P, Ashvini K, Rachana C, Amita J
- 1st Prize for presentation of a case of acute fulminant rheumatic fever presented in the 'What is it?' Session - 7th Biannual meeting of the Association for European Cardiovascular Pathology (Companion society of the ESP)
- 1st prize won at International Conference At TMC Calcutta – Poster on Menetriers disease
- Dr. Panna Chaudhary Memorial Award 2017 at IAC annual conference-Cytocon 2017, Shillong for Best original article published in Journal of cytology in 2017 to Dr Shivani Garg for Evaluation of Thyroid nodules classified as Bethesda category III on FNAC. (J Cytology 2017 Jan – March: 34(1): 5-9)
- Best Oral Paper - International CME in Pathology, Histopathology of cytopathology Feb 2017 Goa.
- 2nd prize in poster session in MAPCON 2017 – Utility of cytology in the diagnosis of histoplasmosis.

Pediatric Surgery

- Dr. Kavimozhy Ilakkiya received best paper award for a paper entitled 'Thoracoscopic repair for congenital diaphragmatic hernia in children- our experience' at IAPSCON 2017 held at Kolkata
- Dr Pooja Tiwari received the best paper award for a paper entitled 'Posterior sagittal approach for non-anorectal malformations in paediatric surgery' at MCIAPSCON-2017 held Khopoli
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Pediatrics

- Dr. Meenu Grewal (RMO) awarded 1st Prize for e-poster "Enteric fever presenting as hemophagocytic lymphohistiocytosis (Authors: M.Grewal, M.Muranjan, S.Karande, S.Gupta) at NASHICON – 2017 (under auspices of Indian Academy of Pediatrics) held at Nashik on 24th and 25th June 2017.

Pharmacology and Therapeutics

- Dr Ashok Vaidya award (second prize) to Shetty YC, Singh K, Koli PG, Ingawale S, Bhatia S for "A study of Prescriptions and Adverse Events in Patients receiving Prokinetic Agents in the Out-Patient Departments (O.P.D.) of a Tertiary Care Teaching Hospital" presented by Dr Kritarth Singh at SAC-ACCP conference, Mumbai 2017 on 1st May 2017
- First prize to Dr. Vetri Babu, Dr. Shruti Bhide, Dr. Anirudha Potey, Dr. Hemant Kanase, Dr. Firoz Tadavi for e-poster, 'Compliance of observational studies published in Indian journals to STROBE statement.' presented at the 204th scientific meeting of Staff Society, Seth GSMC on 20th November 2017.
- ICMR STS studentship award to Ms. Priyashree Desai, undergraduate III MBBS student for Use of topical steroids in Dermatology: A questionnaire based study under the mentorship of Dr. Padmaja Marathe for the year 2017
- Dr. Raakhi Tripathi and Dr. Yashashri Shetty were invited by ICMR for drafting National Ethical Guidelines for Biomedical and Health Research involving Human Participants 2017.
- Dr. Yashashri Shetty was invited as International surveyor for FERCAP-SIDCER accreditation at NIRRH, Mumbai from 12th -14th September 2017 .
- Dr Yashashri Shetty has been appointed as Steering committee member of FERCI, India
- Dr. Shirish Joshi has been approved as accredited speaker of Maharashtra Medical Council

Physiology

- Dr. Shivani Agarwal stood 1st in Maharashtra state in M. D. Physiology Examination held by MUHS in May 2017.
- Mr. Manarth D. Chhowala stood 1st in Physiology in 1st M.B.B.S. exam conducted by Maharashtra University of Health Sciences, Nashik, amongst the students of G.S.M.C.
- 1st year MBBS students (Varun, Nehar & Manarth) participated & won the Elsevier Intercollegiate Physiology Quiz held at T.N.M.C. & Nair Hospital in April 2017.
- 1st year MBBS students (Varun, Nehar & Manarth) participated & won the Thieme National Physiology Quiz held at GMERS, Gandhinagar, Gujarat in April 2017.
- 1st year MBBS students (Varun & Nehar) along with PG student Dr. Shivani Agarwal participated & won the Qortex, State Level Physiology Quiz held at D.Y. Patil Medical College, Nerul, Navi Mumbai in August 2017.
- 1st year MBBS students (Varun, Manarth & Nehar) participated & achieved the Top 16 spots in Inter Medical School Physiology Quiz held in Kuala Lumpur, Malaysia in August 2017. More than 100 teams had participated in this competition.

Physiotherapy

- First Prize: Bioethics intercollegiate Short film competition- Kshiti Chitee, Sarah Tinwala, Riya Hile, Prarthi Jagtap- III BPTH
- First Prize: Bioethics Poster competition – Meghal Mehta IV BPTH
- Second Prize: Bioethics Poster competition- Nidhi Ranka- IIIBPTH
- Third Prize: Bioethics Poster competition- Mansi Dhangar-III BPTH
- Consolation Prize: Sweety Edwanka, Nidhi Savla and Amogh Patkar – IV BPTH, Hiral Parmar – Intern.
- Consolation prize for Bioethics essay competition - Rucha sangewar, Rashi Gala, Nirati Lakhani Vaibhavi Boiye.

Psychiatry

- Dr Shubhangi Parkar and Dr Karishma Rupani Received Marfatia award for Best national research paper Suicidal behaviour: What's the brain up to? Answers Using 18F-fluorodeoxyglucose Positron Emission Tomography to Study Resting Regional Cerebral Glucose Metabolism in Patients with Suicidal Behaviour by Indian Psychiatric Society at Raipur 2017
- Nominated by FAIMER Institute 2017 on-site program in Philadelphia as Regional Institute Faculty as Regional Institute Faculty (RIF) at Philadelphia, USA from 18th March to 24th March 2017
- Dr Shubhangi Parkar Received Prestigious award on Samajik Karykarti Puskar instituted by PARIVARTAN SANSTHA for social awareness work in last thirty years on Mumbai Marathi Granth sangrhalaya auditorium Dadar Mumbai 9th July 2017
- IPS Nagpur Branch & Dr I K Mujawar Poster Award at ACIPS WZB2017 at Rajkot, in Oct 2017: "School Refusal Behaviour in Indian Children – Analysis of Clinical Profile, Psychopathology and Development of Best Fit Risk Assessment Model" A Nayak, B Sangoi, H Nachane
- Angane AY won A.K.Naik Award of Bombay Psychiatric Society -Study on Internet Addiction, Perceived stress, Self Esteem and Coping Skills in Students of Medical College. Angane AY, Kadam KS, Ghorpade G, Parkar SR. April 2017 in BPS Annual Meet
- Dr Amey Angane won Torrent Young Scholar Award at Zonal round at Mumbai.
- Dr Amey Angane won Torrent Young Scholar Award 2017, National round at Ahmedabad, Gujarat.

Radiology

- 1st prize in oral paper presentation for 'A comprehensive analysis of celiac axis and common hepatic artery variations with CT' by Dr. Ameya Kulkarni (fellow, body imaging) on 6th Oct'17 at ISGAR, Chennai under guidance of Dr. Priya Hira.
- 1st prize in fetal ultrasound quiz – Dr. Hariharaprakash and Dr. Shehbaz Ansari. (Ultrafest, Apr'17)
- 1st prize in Quiz at MRI updates 2017 – Dr. Mayur Vira (fellow, body imaging) (28th-30th Apr'17)
- 1st prize in poster presentation for 'a very rare case of truncus arteriosus with ARCAPA and unilateral left pulmonary artery agenesis' by Dr. Puneet Kumar at Indian Academy of Cardiac Imaging, Mumbai, 2017
- 2nd prize in quiz at IDOR conference, LTMMC
- 3rd prize in Grand Teaching Files (TF) meet – Dr. Suvarna Kote for 'Pulmonary Malinosculation and sequestration' under guidance of Dr. Hemant Deshmukh (5th Aug'17)

- 3rd prize in paper presentation for 'Cerebellar measurements with Ultrasonography in evaluation of Fetal age and IUGR' by Dr. Puneet Kumar at Ultrafest, 2017.
- 3rd prize in poster presentation for 'floating fetal bowel and bladder, an imaging spectrum' by Dr. Puneet Kumar at Ultrafest, 2017
- Best Resident in MCGM – Dr. Amrita Narang.

Social Service

- Mr. Shambhudeo Dalvi, CDO, KEM Hospital was felicitated on Rugna Diwas 05/03/2017 by Nana Palkar Smruti Samitee for his contribution in the field of social work.

Surgery (General Surgery)

- Dr Abhay Dalvi was invited to the post of Joint Secretary of the Association of Surgeons of India (ASI) for 2018 – 19.
- Dr Abhay Dalvi appointed as trustee – Indian Association of Gastrointestinal Endo-Surgeons (IAGES)
- Dr Abhay Dalvi appointed as Executive Committee member – Association of Minimal Access Surgeons of India (AMASI)

Surgical Gastroenterology

- Dr Chetan Kantharia was elected as Academic Convener for Indian Chapter of International Hepato-Pancreatico - Biliary Association for period of 2017-2021
- Dr Chetan Kantharia was appointed as Editor of Journal of Indian Journal of Colo-Proctology
- Dr Chetan Kantharia appointed as Member of Editorial team of Journal of Post Graduate Medicine.
- Dr. Sharvari Pujari was awarded Best oral paper 1st Prize at MASICON 2017 Nanded For Management of Postoperative Pancreatic Fistula
- Dr. Sharvari Pujari was awarded Best video presentation 2nd Prize at MASICON 2017 Nanded for Portocaval Shunt Surgery for Budd Chiari Syndrome
- Dr. Sharvari Pujari was awarded best video chapter paper first prize at ASICON 2017 at Jaipur
- Dr. Sharvari Pujari was awarded best video first prize at ASICON 2017 at Jaipur
- Dr. Vinay Mahala was awarded best video third prize at ASICON 2017 at Jaipur

Transfusion Medicine

- Mr. Prakash Sawant – C.D.O. received “Jivandata Puraskar-2017” on the occasion of 1st October, National Voluntary Blood Donation Day from Jeevandata Swayamsevi Sanstha.

Urology

- ROTTO SOTTO Mumbai and Maharashtra got the second prize for best performing state in India at national awards New Delhi November, 2017.

University medallists

1. Kavin Sugumar – 1st in Maharashtra State – MS General Surgery
2. Late Prof PK Sen Memorial University Gold medal for standing first In Cardiovascular Thoracic Surgery – Ayush Goyal
3. Dr. Kishor Taori University Gold Medal for securing second highest marks in Radio- diagnostics – Vivek Shiram Murumkar
4. Smt. Godavari Vitthal Bakre Memorial University Gold Medal for standing first in Psychiatry – Abha Uday Thakurdesai
5. Shri Vitthal Shirram Bakre Memorial University Gold medal for standing first in Pathology – Rohita Kumar
6. Dr. Subhash Kashyape President Medical Research Centre Nashik Gold medal for standing first in Paediatrics Final examination – Sushrut Ingawale
7. Late Dr. DB Shirole Gold medal for standing first in Paediatrics Final examination – Sushrut Ingawale
8. University Gold medal for standing first in the fourth year Bachelor of Occupational Therapy examination – Jinali Thakker

Community Care

Community Care

Chest Medicine

Hospital conducts respiratory morbidity related health surveys to study the effects of air pollution on health.

Following health surveys were conducted in the year 2017

Sr. No.	Period (Date)	Area	Group surveyed	Total
1	21/03/2017 to 08/04/2017	Tata Power Colony, Chembur	Census 113 Questionnaire 223 Medical Camp 72 VOC 27	435
2	14/02/2017	Chereshwar Society, Mahulgaon	VOC 10	10
3	11/04/2017	Chereshwar Society, Mahulgaon	VOC 22 Medical Checkup 22	44
4	24/05/2017	Ambapada Gaon, Chembur	VOC 20 Medical Checkup 25	45
5	09/08/2017 to 18/08/2017	Bhuvneshwar Building, Parelgaon	Census 60 Questionnaire 127 Medical Camp 39 VOC 11	237
6	04/10/2017 to 28/10/2017	MMRDA Vasahat Mahulgaon, Chembur	Census 70 Questionnaire 206 Medical Camp 80 VOC 10	366
7	01/12/2017 to 30/11/2017	Asthma Education	-	1230
			Total	2367

- Residents of Chest Medicine participated in the blood donation camp organized by Dept. of transfusion medicine, KEMH, Mumbai.
- Chest Medicine residents were a part of team conducting awareness and treatment at Chaitya bhoomi on 4th -6th December 2016 for respiratory disorders.
- Asthma Education* has been provided to new patients and follow-up cases in the department.

Community Medicine

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

Sunday camps:

Months	No. of camps	No. of residents posted	Total no. of beneficiaries
JUNE to AUG	50	71	1410

Services at Naigaon Health Centre:

- Under Five Clinic at Naigaon Maternity home on every Tuesday & Friday.
- Naigaon under five clinics:** No. of New registration: 119 No. of old beneficiaries 129:
- Report of Naigaon Under Five Clinic, Naigaon Maternity Home**

December 2016 to November 2017

Date	Event	Beneficiaries
9/12/16	World AIDS Day Celebration	40 beneficiaries including community people and school children
17/3/17	International Women's day programme	80 beneficiaries including PHN, ANM, CHV's
8/8/17	Breastfeeding Week Celebration	78 beneficiaries including ANC mothers, maternity home staff mothers attending under five clinics, CHV's, and Fathers
12/9/17	Nutritional Week Programme	65 beneficiaries Including ANC mothers, mothers from under 5 clinics, maternity home staff and CHV's

Activities of Naigaon Underfive Clinic, Naigaon Maternity Home From December 2016 To November 2017

- World AIDS Day Programme Date: 9/12/2016** - The HIV/AIDS awareness program was conducted based on this year's theme "Hands up for HIV prevention"

- Street play by SIWS students
- Total number of beneficiaries attended the program were 40 which mainly included the community people and street children.
- **International Womens Day Programme Date: 17/03/2017** - The program was conducted at Lalit Kala Bhavan with Bone Densitometry investigation for Community Health Volunteers with ANM and PHN of F-south along with health awareness sessions on health issues of women and prevention of osteoporosis and other bone disorders in women. The theme of International Women's Day 2017 was "**Be Bold for Change**". Total 80 beneficiaries attended the Health Camp.
- **Breastfeeding Week Programme Date: 8/8/2017** - As a part of breastfeeding week, program was conducted aimed at promotion of breastfeeding practices through a street play, video film, explaining the right techniques of breastfeeding, poster exhibition and interacting with mothers to answer their queries.
- **Venue: Naigaon Underfive Clinic, Naigaon Maternity Home:** The topics covered under the program are:
 - Introduction to the theme
 - Video film on importance of Breast-feeding
 - Techniques of Breast-feeding
 - Street-play
- Total 78 beneficiaries attended the program
- **National Nutrition Week Programme Date:12/09/2017** - On occasion of Nutrition. Week, the program was conducted aimed at promotion of Nutrition Education to antenatal mothers, mothers attending the under-five clinics and immunization OPD through preparation of nutritious food item recopies competition and explanation of 2 nutritious recopies to mothers. The total enrolment for nutritious food item recipe competition were 12 and prizes were given to the winners. Total 65 beneficiaries attended the program
- **Community Outreach Health Services at RHTC: Special Activities at RHTC Khadavli**

Date	Type of Activity	Beneficiaries
07/02/17	Health Education session at Ashramshala, Khadavli for adolescent girls on menstrual hygiene, nutrition and personal hygiene.	50
09/02/17	Implementation of PMSMA at Khadavli PHC. Health talk was given to the mothers on the benefits of the program and importance of early registration and institutional delivery. Program was followed by examination and counselling.	48
08/ 03/17	Celebration of Women's day at Guravli Sub center.	48
12/04/17	Celebration of World Health Day. Theme was "Depression let's talk". Gave them orientation regarding NCD and depression and how to cope up with it. Taught them exercises which will help them to cope up with depression.	104
10/08/17	Celebration of World Breast Feeding Week. Counselling about advantages of breast feeding and demonstration of right methods by LHV.	30
25/09/17	Tubectomy camp at Khadavli PHC. Observed the procedures done by Dr. Sheikh.	25
09/10/17	Organized PMSMA program at Khadavli PHC. Health talk was given on antenatal care, menstrual hygiene, breast feeding, examination appropriate treatment and referral advice to ANC patients. Distribution of sanitary napkins to adolescent girls.	28
26/10/2017 14/11/2017	A team of 6 occupational therapists had come to Khadavli PHC to give health talk to the ANC mothers. Also, another team of 6 occupational therapists went to Matoshri old age home to teach exercises and give health talk to the geriatric age group. This team of occupational therapist from KEM Hospital, Mumbai was accompanied by Dr. Yashowardhan Kabra. Celebration of Children's day at Vaveghar Anganwadi (Nudgaon Sub centre). Counselling about nutrition was given to the mothers. Children were taught about hand hygiene.	ANC = 46 Geriatric = 60 24

- **Special Activities at RHTC Sakwar Rural Health Training Centre, Sakwar January 2017-November 2017 Special Activities Report**

Date of Activity	Special Activity	Details
08/03/2017	On the occasion of International Women's Day , interactive session conducted on Menstrual Hygiene & Mental Health with students of Community Health Worker Vocational Training course	Total number of beneficiaries-20
09/04/2017	Street-play performed by CHW students on the theme "Depression- Lets Talk" for OPD patients on the occasion of World Health Day	Total number of beneficiaries -100

10/04/2017	Awareness program on Depression and its health implications at Khaire Village followed by health camp on the occasion of World Health Day	Total number of beneficiaries-47
24/04/2017	Health education session on menstrual hygiene for women in reproductive age group at Khaire village	Total beneficiaries- 20
08/05/2017	Health camp conducted at Khaire village	Total beneficiaries-42 Males-15 Females-27
09/05/2017	Health education session for mothers and children at Anganwadi, Kadavpada	Total beneficiaries-31
15/05/2017	Health education session on hand hygiene at Balwadi, Sakwar	Total beneficiaries 18.
4/05/2017	Health education session on nutrition for women with special focus on diet for ANC mothers conducted at RKM.	Total beneficiaries 30
25/05/2017	Training session for ASHA workers at PHC Durvesh with MO on acute diarrheal diseases and monsoon preparedness.	Total beneficiaries 30
03/08/2017	Health education session for CHW students on awareness of importance of breast feeding on the occasion of World Breast Feeding Week	Total number of beneficiaries-20
13/11/2017	Health checkup camp conducted by RMOs and Interns with due cooperation from RKM, CHW students and Up-sarpanch (Mr. Vasant Pardhi) Venue – Anganwadi centre, Khaire Village	Total beneficiaries – 74 Males-38 Females- 36
14/11/2017	Diabetes Awareness programme in Old Age Home, Sakwar on World Diabetes Day including skit performance by CHW students, health talk by PHN Mrs. Shweta Patil. Health check-up of the occupants by RMOs	Total beneficiaries-46 Males-20 Females-26

Activities at RHTC Pise - Panjrapur 01/01/2017 to 30/11/2017

Posting Duration	Date of Activity	Type of Activity	Beneficiaries
1/2/17 to 28/2/17		Annual Medical Examination	Workers of pisepanjrapur water treatment plant
1/3/17 to 31/3/17	8/3/17	International women's day celebration	22 women from teaching staff of Zilla Parishad School and women residing in nearby localities
1/6/17 to 30/6/17		Mock Safety Drill Observation	-
1/8/17 to 31/8/17	9/8/17	Health talk on importance of breastfeeding on the eve of World Breastfeeding Week	20 pregnant and lactating mothers residing around Chirapada Anganwadi.
1/11/17 to 30/11/17	16/11/17	Health Talk on spreading Awareness on organ donation	20 beneficiaries including Head of various departments, Medical Officer, Safety Officer
	27/11/17 to 30/11/17	Annual Medical Examination	Workers of pisepanjrapur water treatment plant

Malvani Urban Health Training Centre, Malad (W)

Sr No.	Chapter	Contents
1	Highlights and Achievements	<ul style="list-style-type: none"> UHC shifted to new location SRA building Juliouswadi, Malavni Field Immunization Camp started at Ambujwadi slum area House to house survey conducted for Under five children at Ambujwadi and nutritional status assessed with YUVA NGO.
2	OPD services	<ul style="list-style-type: none"> UHC Malvani caters services to 1.5 lakh population. Health services are provided to patients from Malvani slums through various OPD's namely GOPD, POPD, TB OPD and STI OPD. Preventive services are provided through well baby clinic, INH OPD and chronic OPD. In WBC, growth and development of under five children is assessed and prompt referral for SAM children is done. In INH OPD, INH prophylaxis is given for children under 6 years.
3.	Community Outreach Services	<ul style="list-style-type: none"> Session on Alcoholic Anonymous conducted for RMO's and Interns. Community Meeting with parents at Ambujwadi conducted by RMO's and YUVA NGO. Session was held on early initiation of Breast Feeding, Exclusive Breast Feeding, Weaning, Family planning services and RTI/STI prevention. Nutrition demonstration was given by SNEHA NGO for parents of children suffering from Malnutrition. World TB day was celebrated. Astha Parivar NGO orientation was given for RMO's by ORW and supervisor. NSVK NGO orientation given for RMO's Orientation for Child helpline project was given to RMO's by NSVK NGO. Visit for RMO's at Hands for you trust Malwani church was conducted. Session for drug de-addiction was conducted for RMO's. World Breast Feeding week celebrated with SNEHA NGO. National Nutritional Week celebrated. De-worming, Iron and folic acid supplementation and health education session was conducted for ANC mothers by RMO

Dermatology

- 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.

Dentistry

- Conducted a dental camp for leprosy affected persons at Ackworth Municipal Hospital, Wadala, Mumbai.
- Residents attended two dental camps on 24th September 2017 at Veena Vihar Society, Near Shanmukhanand Hall, Sion and at Gurunanak High School, JTB Nagar, Sion Koliwada
- This year special attention was given to dental problems of pregnant women
- Special emphasis on detection of oral malignancies was done from 1st December – 31st December 2017

Endocrinology

- Weekly visits to diabetes dispensaries at peripheral health centers attached to KEM hospital
- Vishwshanti Lok Kalyan Health Institute had organized diabetes & thyroid camp which was held on 02 October 2017 at Anop Hill, Wadala.
- Vishwshanti Lok Kalyan Health Institute had organized diabetes & thyroid camp which was held on 11 November 2017 at Siddharth Nagar, Worli.

ENT

- Organized a lecture in association with Women Development cell on “Health Impact of Wireless Radio Frequency Radiation by Dr. Vikas Nehru, at KEM Hospital on 4th October 2017
- Invited as a guest speaker by Rotary at Panvel for to giving a talk on “Early Identification of Deafness” on 17th November 2017
- Faculty and residents have been involved in various Diagnostic Camps in Mumbai and different parts of Maharashtra “Life Line Express.

Forensic Medicine

- Project for Disaster Victim Identification for defence personnel with Indian Dental Association
- Resource Faculty at various medicolegal CME, GCP workshop, etc.
- Lectures given to NGOs on promotion of cadaveric organ donations
- Forensic Medicine lecture on Crime Scene Investigation, evidence collection, examination of victim of sexual assault, etc.
- 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,

Gastroenterology [Medical]

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

Hematology

- Hemophilia Care patient awareness program
- Nutrition counseling for cancer patients
- Fun activities for cancer and Thalassemia patients
- Recreation activities for pediatric cancer and Thalassemia patients

Medicine

- An awareness talks on lifestyle disorders organized by Maharashtra Police for police recruits and families on the occasion of raising day, 4th January 2017
- Free Health Check-up Camp and awareness program with the help of Vaishali Foundation at College of Arts, commerce and Science, Khardi, Shahapur, thane on 30th April 2017

- Talk on monsoon illnesses in DD Sahydri live show.
- Lecture for AMO on “Monsoon related Diseases” At CVTC auditorium KEMH on 14th July and 16th July 2017.
- Lecture on “Hypertension & Diabetes” at Aarogya Bhawan on 21st September 2017, arranged by telecommunication medicine department
- Lecture on HAEMORRHAGIC FEVER at Aarogya Bhavan, St George Hospital Campus on 15/12/2016 organized by DIRECTOR HEALTH SERVICES.
- Lecture on Monsoon related illnesses for Dispensary AMO” S in April and June 2017.
- Lecture on - Enteric Fever & Rabies in Arogya Bhavan for AMOs
- Lecture on Monsoon Illnesses for AMOs
- Lecture on – Tropical Infection in Arogya Bhavan for Medical Officers
- Lecture on Monsoon Illnesses for AMOs
- Lecture on Meningitis, tetanus and leprosy in Arogya Bhavan for AMOs

Microbiology

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

Neonatology

- Weekly meetings with parents of babies admitted in NICU to educate them about Preterm and Low Birth Weight care. Approx. 1200- 1500 parents are educated in 2017.

Nephrology

- Survey on prevalence of Chronic kidney disease in Mumbai.
- Dr. Tukaram Jamale was interviewed by Asmita Channel Mumbai Aakashwani on 2/01/2017
- Dr. Tukaram Jamale interviewed by DD Sahyadree channel on occasion of world Kidney Day (10/03/2017).
- Dr. Hase N.K. participated in World Kidney Day awareness program at Thane arranged by Nana Palkar Smruti Samiti.

Neurology

- Epilepsy Purple Day on 25 Mar 2017
- Epilepsy Awareness Program on World Epilepsy Day on 17 Nov 2017
- Awareness Talk on National Radio (Radio Mirchi) on World Epilepsy Day by Dr. S.H. Ravat on 17 Nov 2017
- Dementia Awareness Program by Dr. Ashwini Patil at Worli.
- Stroke awareness conducted at KEM EMS.

Neurosurgery

- Scouting possible sites to develop Trauma centers in rural Maharashtra on National highways and working on Road Safety and Accidents
- Setting up a Trauma center on national Highways 17 about 180 km from Mumbai at Kamble to save lives of accident victims using local support

Obstetrics and Gynecology

- Medical Camp organized at Bandra - Kurla Complex. 18.2.17 & 19.02.2017
- Medical Camp For 7 days (from 10th April to 16th April)
- SR sent for Medical Diagnostic Camp at Beed on 29th and 30th April 2017
- Blood bank camps during the month of May and June
- 13 camps in May 2017
- 6 camps in June 2017
- Winter Camp
- Every month on 9th Prime minister camp for ANC patient checkups
- Medical camp at slum area in Sayadri nagar, Vashi Naka on 4th June 2017
- Monsoon Camp
- December Medical Camp for 3 days (4th to 6th)

Occupational Therapy

- World Occupational Therapy Month 2017” was celebrated by organizing health & wellness camps over Mumbai city and Thane district. (Duration 27th October, 2017 – 26th November, 2017).
- Health Camps organized on 26th October 2017, in collaboration with the PSM department
- Antenatal Camp at Primary Health Care Center at Khadavli
- Geriatric Wellness & Health Care Camp at Matoshree Old Age Home at Khadavli

Ophthalmology

- Conducted Eye camps which include eye checkup and refraction testing. Eye camps were conducted at the following locations:
- Jeevandeep Shaikshnik Sanstha, Khardi Gaon, Taluka Shahpur, dist. Thane – 30/04/2017.
- Shiroadkar High School – 05/2017.
- NSCI, Worli – 28/05/2017.
- Vinaymulya Aarogya Chikitsa Mahashibir, Jogeshwari – 27/07/2017.
- Guru Nanak High School, Rajyogi Jaymala Singh Marg, GTB Nagar, Sion, Koliwada- 24/09/2017.
- Pay and Park, in front of veena vihar, near shanmukhanand hall, sion – 24/09/2017.
- Lions Club Senior Citizens camp, Wadala – 07/10/2017.
- Ambedkara jayanti camp, shivaji park – 4/12/2017, 5/12/2017, 6/12/2017.
- Misri darga samor, sheikh mistri road, antop hill, Mumbai - 2-1-2017.
- Siddhartha nagar, A one vibhag, tekdi ajinkya mitramandal room no. 16/43 dr. A.B. Road, worli, Mumbai - 11-11-201
- Anjuman aay islam, saif tabajji girls high school, Mumbai central - 29-11-2017
- Eye donation awareness on 8/09/2017 in the institute to commemorate National Eye Donation Fortnight

Orthopedics

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

Pathology

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

Pediatric Surgery

- Birth Defect Clinic– Counseling and early intervention of congenital anomalies 490 families counseled since Jan 2017

Pediatrics

- Resident Medical Officers and Faculty members attend various OPDs in peripheral hospitals as a part of Peripheral Linkage Program.
- 4-6th December: Resident Medical Officers and Specialty Medical Officers attended the Health Camp at Dadar, Chityabhoomi.
- Monsoon camps attended by Resident Medical Officers -- 26
- Regular health camps attended by Resident Medical Officers -- 24

Pharmacology and Therapeutics

- A team from Ayurveda Research Centre [Dr. Sudhir Juvekar (JSO), Dr. Datt Bapardekar, Dr. Jasmine Shaikh, Dr. Praveen Buram (Registrars) and Dr. Shilpa Yadav (Houseman), Mr. Prakash Chavan (Class IV employee), and Mr. Nilesh Sakhare (Class IV employee) participated in health camp organized at Chaityabhumi from 4th -6th December 2017 to provide care and awareness about rational use of Ayurvedic drugs. A total of 943 patients were examined and prescribed Ayurvedic drugs.
- Dr Sudhir Juvekar offered services in Monsoon medical camps on Sunday under MCGM at Jogeshwari, Malad, Bhandup and Nahur area arranged by Rajultai Patel (Counselor), Ramesh Korgaonkar (Counselor), Mr. Mane (Counselor) respectively.
- Dr Sudhir Juvekar offered services in Ayurvedic free medical camp at Pandharpur on the occasion of Aashadhi Ekadashi, 2017.

- Dr Sudhir Juvekar conducted Ayurvedic medical camp at Hodavade, Sindhudurga.

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.

Physiotherapy

- Awareness drive on physiotherapy on 8th September World Physiotherapy Day.
- Epilepsy Awareness by Dhruv Mehta on National Epilepsy Day

Plastic surgery

- Partnership with Resurge International wherein every patient under its fold is provided complete free surgery and post-operative rehabilitative aids
- Offered surgical and out-patient services to camp in Upleta, Gujarat
- Camp Karma, Burn survivor camp for pediatric Burn survivors

Psychiatry

- Malvani Community Outreach Centre
- A community psychiatric health Centre is run by the department at Malvani.
- Psycho educational lectures were taken during community programmers about 'AIDS & HIV' on World AIDS day & about 'Psychological health in Geriatric Population' on World Geriatric Day.
- Individual & group counseling services are also provided where needed
- Total Malvani Patients: New cases – 142 and Old cases 1620
- 7 Drug Awareness programs were conducted in schools & colleges by the faculty and Seniors in collaboration with Anti-Narcotics Cell of Mumbai Police
- Awareness program on stress in Nurses in Nursing school

Social service

- Women's day program organized by PSM CDO's at Naigon Community Centre for staff members and self-help groups.
- Awareness program poster exhibition and street play on the occasion of World Tobacco Day by CDO's of Department of Psychiatry.
- Street plays, poster exhibition lectures and seminars were conducted at various places like SRPF Taloja, Don BOSCO School, Prabhadevi Municipal School on the topic "Stress at work place" by CDO's for the department of Psychiatry – as part of the „Mental Health Week”.
- CDO's Department of Psychiatry participated as a guest speaker in the Indian Psychiatric Society – west zone mid – term CME at Nagpur and spoke on "Dealing with adverse events of Psychosocial interventions" on 01/04/2017.
- CDO's Department of Psychiatry conducted a session on "Prevention of suicide and related mental health issues" for the staff of Social Service Department, KEM Hospital on 09/09/2017
- CDO's Department of Psychiatry conducted session for Social Worker attached to "Prayas" – TISS project in the field of Criminal Justice on 11/10/2017
- CDO's Department of Psychiatry conducted session on "Domestic Violence and its effect on Mental Health" at Kalwa Chhatrapati Shivaji Maharaj Hospital on 30/11/2017
- CDO's Department of Psychiatry lectures for post graduate Diploma in Therapeutic counselling students on mental health related topics.

Surgical Gastroenterology

- Dr. Chetan Kantharia was one of the team member of The Outreach Program of International HPB Surgery team to Sri-Lanka to teach and initiate program at Distant places.
- Dr. Chetan Kantharia was one of the team member of The Outreach Program of International HPB Surgery team to Nepal to teach and initiate program at Distant places.
- OPD every alternate Wednesday at Govandi Shatabdi Hospital from 10.00am to 12.30 pm.

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

Transfusion Medicine

- Blood donation camp at blood bank, KEM Hospital on occasion of “National Voluntary Blood Donor Day” i.e. on 1st Oct 2017 with co-ordination with Jivandata Swayamsevi Sanstha, Kalachowki & collected 223 units of blood.
- A single organization i.e. Tarun Mitra Mandal had organized 3 Blood donation camps in the year 2017. On 15.01.2017 - 671 blood units were collected. On 07.05.2017, 554 units and 17.09.2017 - 531 units of blood collected. Tarun Mitra Mandal contributed a total of 1756 blood unit in the year 2017.
- Godrej & Boyce Mfg. Co. Ltd., & Godrej Industries also organized Blood Donation Camps on 8th & 9th August, 2017 at Godrej-Pragati Kendra, Vikhroli & we collected 1635 units of blood.
- During Stampede at Elphinstone Railway Station on 29/09/2017, 123 units of blood were collected in the Department and 1135 Blood Donors were registered for future Blood Donation

Donations and Grants

Donations and Grants

Biochemistry and clinical nutrition

- Donation of Rs. 40,000 each from Ortho-clinical Diagnostics, Becton Dickinson and Randox for conducting 'Good Clinical Laboratory Practices' certificate course.

Cardiology

Savli Trust, KEM Hospital. Generous grant for ICCU and cath lab equipment

Cardiovascular Thoracic Surgery [CVTS]

	Name of Donor	Amt. Donated	Specific Activity for which donated
1. TV	Medtronic	Rs, 52000/-	
2. Camera	St. Jude	Rs, 52000/-	
3. Resident Room Renovation	Dr. Mehta	Rs, 100000/-	
4. Surgery Room Renovation			
5. Computer	Cardio Rhytham	Rs, 25000/-	

Chest Medicine

Sr. No.	Donor Name	Donation	Date
1	Sanghvi Realty Pvt. Ltd.	4 Lakhs	15/03/2017
2	Smt. Manju Sanghvi	1 Lakhs	15/03/2017
3	Shri. Aditya Sanghvi	1 Lakhs	15/03/2017
4	Shri. Aatish Sanghvi	1 Lakhs	15/03/2017
5	Smt. Trupti Dingoria	1 Lakhs	15/03/2017
6	Shri. Ashok Kumar & Sons (HUF)	1 Lakhs	15/03/2017
7	Shri. Ashok Sanghvi	1 Lakhs	15/03/2017
8	Shri. Dr. Dushyant V. Punwani	Air Bed, Nebulizer, Ambu Bag.	27/02/2017
9	Smt. Bharati Raje	Walker, 3 Bi PAP Machine max, Nebulizer, Some Medicines.	05/05/2017
10	Shri. Virendra Pundalik Chamankar	Wheel Chair.	02/06/2017

Clinical Pharmacology

- Received a grant of Rs. 585,000/- from CSIR for a project entitled 'Advanced Drug delivery system'
- Received a grant of Rs. 10,23,640/- from ICMR for a project entitled "Association of genetic polymorphisms of CYP2C19, ABCB1 and P2Y12 with response to clopidogrel in normal healthy participant"
- Received a grant of Rs.8,55,513/- from Bharat Biotech for a project entitled "Phase-I open label dose-escalation clinical trial to evaluate the safety, tolerability and immunogenicity of Chikungunya vaccine in healthy adults of 18 to 50 years age"
- Received a grant of Rs. 70,000/- from Synergia Life Sciences Pvt.Ltd for a project entitled "An open label, single, oral dose bioavailability study of Vitamin K2-7 (capsules of 3000 An open label,single, oral dose bioavailability study of Vitamin K2-7 (capsules of 3000 µg) of Synergia Lifesciences Pvt.Ltd. in healthy adult, human subjects.

Community Medicine

- Note books for chronic OPD patients and medicines

Department development fund

Year Jan 2017 to December 2017.

Sr. No.	Name	Income Donation/Grants
1.	Patient Care	3,28,400.00
2.	Research	9,17,824.00
3.	Training Programs/workshop	14,80,192.00

Sr. No.	Name	Income Donation/Grants
4.	Awards	8,480.00

ENT

Donation received for Department Development:

- A Donation of was Rs. 25,56,756/- was donated by Murali Chingani Charity Trust towards purchase of equipment / instruments for ENT Dept.
- A Donation of was Rs. 11,51,230/- was donated by Premco Global Limited towards purchase of equipment / instruments for ENT Dept.
- Rs. 10,00,000/- was donated by Sanghavi Family towards studies related to impact of air pollution on citizens and their health.

Donation received for Specific Institutional Purpose:

- A Donation of was Rs. 19,82,868/- (\$30,992) was donated by Indira Foundation's towards the financial support to needy patient & Excellence Scholarship.
- A donation of was Rs. 6,71,790/- (\$ 10,500) was donated by India Development Service towards the Dr. ML Kothari chair of Medical Humanities.
- A donation of was Rs. 1,14,68,569/- was donated by Indira Foundation towards the Renovation of Ladies Common Room.

Endocrinology

Donations for Patient care:

- Pentagon Charitable Foundation Rs. 16,66,000/-
- Sanjay Waghani Rs. 10,00,000/-

ENT

- Performed more than 50 cochlear Implants and 5 Baha through donations
- Received donation for developing multispecialty endoscopy centre in department of ENT
- Arranged 6 paediatric beds in ward and OT through donation of Lions club of Byculla.
- Received donation for 'Advance endoscopy unit' from Murlilaj Trust.
- Received donation for Cautery for cochlear implant from Sanyaog-Savali Trust.

Hematology

List of Regular Donors

- Vasantha Memorial Trust – Donation for Medicines and Food grains.
- Cancer patient Aid Association – Donation for Food grains
- Cancer patient Aid Association – provides chemotherapy drugs
- Karo trust
- Ratan Tata
- Natco trust
- Mr. Sourav Nimbalkar – financial support for cancer patients

Library

- Received grant from Central Govt. Rs.25,00,000/- for Books and journals. And Rs. 5,00,000/- for infrastructure. From this grant we have purchased books, journals and furniture .
- Donation of Rs. 30,000/- was received by MUHS (Nashik) . We have purchased and issued 54 books to Undergraduate students.
- We have received the membership of National Medical Library's ERMED consortia. This has enabled to access 243 online journals.
- Free Trial access was given to following databases.
 - a. J-gate – Jan 2017
 - b. 'TEBL' (Thieme eBook Library)- Feb.2017
 - c. Topic Article Package Diabetes- July to August 2017.

Microbiology

Sr. No.	Name of donor	Amount (Rs.)	Activity	Type
1	MDACS	75000/-	ICTC-M, EQAS and ART activities	Patient care
9	GSMC & KEMH Research Society	50,000	For study - LAMP for extrapulmonary TB	Research
	TOTAL	125000/-		

Neonatology

Patient Care and Department Development

Name of Donor	Amount donated /Equipment donated (Rs.)	Specific activity for which donated
MOHFW, Government of India	Rs 33,77,885/-	Facility Based Newborn Care project
Inner Wheel Club of Bombay Airport	Rs.1,17,600/- (4 infusion pumps)	NICU care
Inner Wheel Club of Bombay	40 KMC bags, 40 Nesting and 80 Baby sheets per month	Developmentally supportive care of neonates

Nephrology

- Epson LCD projector (with Wifi) donated by Mrs. Sushma Suhas Gupte

Sr. No.	Name of the Donor	Amount Donated	Specific activity for donation
1	Fulchanand Maikchand Shah Trust	50,000	Patient care,DDF
2	Palanpur Samaj Kendra Charitable Trust	30,000	Patient Care,PBCF

Neurology

Sr. No.	Name of the Donor	Amount Donated	Specific activity for donation
1	Fulchanand Maikchand Shah Trust	50,000	Patient care,DDF
2	Palanpur Samaj Kendra Charitable Trust	30,000	Patient Care,PBCF

Neurosurgery

- Received donation of electric high speed drill from Steel Chamber of India

Ophthalmology

- Department started new Paediatric Ophthalmology clinic with all new equipment acquired by donation.

List Of Donated Equipments 2017:

- HESS Screen.
- Red and green glasses.
- Pointer.
- FS3 KAY Picture. Fixation sticks.
- 7006001 RAF RULE (Clement Clarke).
- 4520 Single ended occlude black long handle.
- 505200 red Maddox with 45 degree lines with medium handle.
- 100 intraocular lenses.
- Surgical instruments.

Obstetrics and Gynecology

- Dr SV Parulekar donated books worth 30000/- and 12 issues of Journal of Obstetrics and Gynecology of India to departmental library.

Occupational Therapy

Sr. No.	Name of the donor	Activity/ amount
1	Mumbai Branch of AIOTA	Stationery expenses for World OT Month celebration 2017
2	Make a Wish Foundation	Colour LCD TV Toys for children Activities for mental health
3	Mr. Shirshat	Full length Mirror for gait and postural training

Orthopedics

- Diamond Jubilee Society Trust of KEM donated department of Orthopedics with wire cutter, plier & bender.

Pediatric Surgery

- Maximo pulse oximeter was donated to department.

Pediatrics

Patient Care:

Name of donor	Amount donated	Specific activity of donation& Co-ordinators
SIS Imports (Shri Hemendra Sharma, CMD). Coordinated by NGO- Nai Jyot Sevabhavi Sansthan.	Rs. 10,60,900/-	Donation of 5 Multiparameter Monitors on 20.3.17 (Co-ordinated by Dr. Mukesh Agrawal & Dr. Milind Tullu)
Thyssenkrupp Industrial Solutions (India) (as a part of TKIS- CSR activity 2017).	Rs. 32,68,000/-	Donation of 2 Pediatric-cum-neonatal ventilators on 05.06.2017. (Co-ordinated by Dr. Mukesh Agrawal & Dr. Milind Tullu)
Metropolitan Eximchem Pvt. Ltd.	Rs. 2,50,000/-	Donation of 2 Defibrillators on 23.06.2017 (Co-ordinated by Dr. Mukesh Agrawal & Dr. Milind Tullu)

Pharmacology & Therapeutics

- Ministry of AYUSH, Delhi: Rs.5,10,600/-

Physiology

Name of the Donor	Amount donated	Work for which donated
Dr. J. B. Dharani	Rs. 4,400	Books for Departmental library.
DJST	Rs.1,05,000	For purchase of instruments

Physiotherapy

- Multi stimulator-2

Plastic Surgery

- Patient care : ReSurge International (post Burn Patients)
- Strengthening Department : One Modular Operation Theater

Psychiatry

- Donation Arranged by MSWs for the year 2017: Rs. 1, 38,348/-

Donor Agencies

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

Social Services

- Patient Care: Eleven wheel chairs were donated at Wd20 EMS ward. Donor: Kiran Ramani.
- 10 Garden benches installed outside skin OPD Donor: Jewelex Foundation.
- Fruits and dry fruits were distributed on a regular basis to indoor and OPD patients of Hematology. Donor: Neptune Foundation.
- Total patient specific donations collected by CDO's through various private donors / charities - Rs. (Upto Nov. 2017) Rs. 69,83,28,700/- (Rupees Sixty nine crores, Eighty three lakh, Twenty eight thousand, Seven hundred only).

Transfusion Medicine

- Donation of Rs. 31,995/- received from Gosumec Alumni for the Blood Donation Camp at Dadar Railway Station.

Urology

- High frequency C-Arm machine purchased through DDF .
- Washing machine and Dryer sanctioned from DJST, September 2017

Education

Education

Anatomy

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

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

Sr. No.	Courses taught	Intake of Students (for 2017)	Results (% of pass for 2017)
1	I MBBS	180	93 %
2	MD Anatomy	01	100 %
3	I B.P.Th.	40	-
4	I B.O.Th.	40	-
5	Nursing	80	-
6	I B.P.M.T	13	-

B. Other courses taught by the Department of Anatomy:

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

C. During the year the department conducted several collaborative programs, which are listed in the following table:

Sr. No.	Date	Collaborating Departments	Name of the Workshop
1	15.01.17	Department of Orthopaedics, Seth GSMC and KEMH	Shoulder Arthroscopy
2	03.03.17	Department of Otorhinolaryngology, Seth GSMC and KEMH	FESS
3	21.05.17	Department of Otorhinolaryngology, Bombay Hospital	Skull Base
4	02.07.17	Department of Orthopedics, Seth GSMC and KEMH	Shoulder and Knee
5	09.07.17	Department of Orthopaedics, Seth GSMC and KEMH	Hip Joint
6	16.07.17	Department of Orthopaedics, Seth GSMC and KEMH	Hip & Knee
7	21.07.17	Department of Plastic Reconstructive Surgery, Tata Memorial Hospital	Flap Dissection
9	10.09.17	Department of Orthopaedics, Seth GSMC and KEMH	Advance Spine Course
10	15.09.17	Department of Plastic Reconstructive Surgery, Tata Memorial Hospital	Head & Neck /Oncology
11	29.10.17	Department of Orthopaedics, Seth GSMC and KEMH	Knee
12	15.11.17	Department of Otorhinolaryngology, Bombay Hospital	Larynx
13	17.12.17	Department of Orthopaedics, Seth GSMC and KEMH	Knee & Shoulder

D. Library Holdings:

Total No. of Books: - 916

No. of New Books added in 2017: - 40

No. of Journal titles: - 03

Total No. of Journals: - 111

Anesthesia

- MD Intake : 22
- DA: Intake : 16
- DM (Cardiac Anesthesia) Intake : 02 Results : 100%
- Fellowship Course in Cardio-vascular (2 each) Results : 100%
- Fellowship Course in Pediatrics Anesthesia(2 each) Results : 100%
- Fellowship Course in Neuro Anesthesia(2 each) Results : 100%
- Fellowship Course in Regional Anesthesia (2 each) Results : 100%
- Fellowship Course in Gastroenterology Anesthesia. (2 each) Results : 100%

One year fellowship course started with approval from MUHS

- Fellowship Course in Pain Medicine(4 each)

Biochemistry and Clinical Nutrition

- Conducted 13th Good Clinical Laboratory Practices Certificate Course from 12th to 14th September 2017. 40 delegates participated from all over Mumbai
- Department conducted a lecture series on “Renal Chemistry under the aegis of Association of Clinical Biochemistry of India” on 4th August 2017. This attracted 120 participants from all over Mumbai.
- Courses offered by the Department

Sr. No.	Courses Taught	Intake of Students for (2017)	Affiliated University
1.	MBBS – I Year	180	MUHS
2.	B.P.Th.-I Year	40	MUHS
3.	B.O.Th.-I Year	40	MUHS
4.	B.P.M.T.-I Year (Cardiology Technician & Perfusion Technician)	10	MUHS
5.	PGDMLT	10	MUHS
6.	Ph.D. Medical Biochemistry	2	MUHS
7.	M. Sc. Biochemistry by Papers	12	Mumbai University
8.	Ph.D. Medical Biochemistry	1	Mumbai University
9.	M. Sc. Biochemistry by Research	1	Mumbai University

Cardiology

Courses offered and intake for the current year :

- D.M. Cardiology : At present five residents have joined for the cardiology course.
- M.D. (Medicine/Allied)- Residents from department of medicine are posted for a period of 1 month in Cardiology on rotation basis.
- BPMT – Intake of 5 Students per year.
- III^{yr} BPTh and BOTh students & MPTh students for clinics, learning patient care and rehabilitation.
- Nursing students from various institutions are allowed observership as per administrative directives.
- Novel interdepartmental initiatives including monthly clinicopathological meetings and statistical analysis of landmark papers were started for the benefit of the fellows in collaboration with the Departments of CVTC pathology and clinical pharmacology respectively, in addition to the weekly cath conference and journal club.
- Five Observers underwent training in department of Cardiology this year.

Cardiovascular thoracic surgery [CVTS]

- The department offers the M. Ch Course of three years duration in Cardiovascular & Thoracic Surgery under the aegis of the Maharashtra University of Health Sciences Nashik.
- We have an intake of 6 and have majority of retention this year.
- The residents rotate through other disciplines like Cardiology, Chest medicine, Vascular Interventional Radiology and Surgical Oncology at Tata Memorial Hospital.
- The department also offers undergraduate course of three years for BPMT perfusion therapy from MUHS Nashik. The students are admitted as per the MUHS Nashik and are trained as an qualified perfusionists.
- The department runs active teaching and clinical training for the perfusion students./ Nursing /OT & PT
- The department also runs one year certificate course in the Extra Corporeal Perfusion Technology. The intake is of three students every year.
- 3 Honorary Consultant have joined the department
 - Dr. J.M.S.Khandeparkar
 - Dr. Anil Madhav Patwardhan
 - Dr. Suresh Rao
- Library – Departmental Library - 358 books
- Two Functional Departmental Vascular Lab with Weekly Hands on Training session

Chest Medicine

- Courses offered and intake: MD (Pulmonary Medicine): 4
- Four students have joined dept. in 2016-17 for MD degree (Pulmonary Medicine).

- Four students appeared for MD exam in June 17 & all four-passed exam.
- Post graduate students take part in educational activities consisting of presenting seminars in departmental PG activity, journal club, clinical case presentation, presenting rounds of admitted patients with clinical discussion.
- Radiological meet has been conducted time to time in collaboration with radiology department. In clinico-radio meet various radiographs, computerized tomography is discussed with faculty from dept. of radiology & clinical aspects discussed with chest medicine faculty to narrow down differentials. Important radiological signs & its clinical relevance discussed with chest medicine & radiology PG residents.

Training workshops on education

- M. Sc. Nursing students from SNDT University and Fortis hospital, Mulund regularly undertake Chest Medicine rotation. Besides delivering lectures on important respiratory diseases, bedside clinics, the faculty also acts as “external guide” for their thesis as well for their exams.
- MBBS, Occupational and Physiotherapy students are regularly posted in Chest Medicine as part of their curriculum and undergo training through lectures and bedside clinics.

Clinical Pharmacology

- DM (Clinical Pharmacology) – 03
- Ph.D (Clinical Pharmacology) - 0
- Ph.D (Applied Biology)-0
- MSc (Applied biology) -0
- MD (Pharmacology trainees) – 2

Community Medicine

Academics

a. International observers and elective trainees:

A structured training program has been developed for foreign students visiting GSMC /KEMH “Observership Program”. As a part of the program, students undergo training in various areas in Community Medicine viz. Rural health, health programs, etc. Students are also sent for field visits at Rural health training centre, Malvani Urban Health centre, Naigaon health centre, GOPD, IDSP, under five clinic etc. 10 Students of D.H.A. from Garware Institute of Management posted for internship in the department in the year 2015.

b. Courses offered, intake and results:-

	Course offered	Intake	Results (2016)
1	M.B.B.S.	189	Pass – 175 Failed -14
2	Diploma in Public Health	2	All passed
3	M.D. (Comm. Med.)	19	13 Pass, 4 Fail
4	Postgraduate course in Pharmaceutical Medicine	Lecture courses in Community Medicine conducted by PSM Dept.	
5	Bachelor of Occupational therapy (B.O.Th.)	Lecture courses in Community Medicine conducted by Community Medicine Dept.	
6	Bachelor of Physiotherapy (B.P.Th.)	Lecture courses in Community Medicine conducted by Community Medicine Dept.	
7	B.Sc. Nursing (Bhagwati, Cooper Hospital)	Lecture courses in Community Medicine conducted by Malvani Health Centre	

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

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

- Postings of RMOs – KEM Hospital – 22 months (which includes posting in General OPD, IDSP, UIP OPD, Naigaon Under -5 clinic & Naigaon geriatric OPD.), Rural health training Center – 4.5 months and Malvani Urban Health Center - 8.5 months
- Posting in Kasturba Infectious Disease Hospital for one month on rotation basis
- “Mother Support Group” training for RMO: Rotational 15days training to all 1st Year RMO’s.
- 1 Day training on “Peripheral smear for Malaria Parasite technique” for all 1st Year RMO’s.

- STI/RTI Training at Mumbai District AIDS Control Society, Mumbai
- Visits to Non-Government Organizations (NGO) working in field of health or health related Activities, Essay writing on topics of Public Health importance/issues, Recent Advances, PG Examination Preparation (Writing and Discussion).

Internship -

- For the year 2017 the Department of Community Medicine, Seth G.S. Medical College has trained 164 regular batch interns, 18 casual batch interns, 15 externs from institutes within India & 8 externs from institutes outside India.
- Interns participated as members of the Medical team in various outreach activities of the department like: Mumbai Arogya Abhiyaan & Pulse Polio Immunisation programmes. Interns are also involved in managing fever OPD & Malaria awareness programme in the community especially during the monsoons.

Dentistry

- MBBS students posted for clinical training to the dept. 15 per batch

Dermatology

- Observers and Elective Trainees in 2017

Name of the observer	Purpose of training	Place of origin
Dr Pooja Malhotra	Observer	Chandigarh

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

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

Endocrinology

- DM Endocrinology (9) - passed DM students: 3
- SSMO-2
- Diploma Diabetology (1)- passed DD student:1
- Ph.D. applied Biology -4
- MSc applied Biology-1
- New courses added and intake- Nil
- Library: No. of books - 755

ENT

- 3 year MS course

Forensic Medicine

August 2017 -- 182 (one hundred & eighty Two)

TOTAL 182 (one hundred & eighty Two)

(II) BPMT (March 2016): NIL

Grand Total: 182 (One hundred & Eighty Two)

(II) MBBS examinations of the MUHS, Nashik

a. held in January 2017

- No of candidates sent up : 186 (One Hundred & Eighty Six only)
- No of candidates passed : - 186
- No of candidates failed : 00
- Percentage of passed candidates : - 100%
- No of student (above 70%):10

Gastroenterology

- International observers and Elective trainees:- External Rotation posting from Tata Hospital - Dr.Vaneet Jairth
- *Courses offered and intake for the Current year:*
DM Gastroenterology: 2 students

Hematology

International

- Approval from the World federation of Hemophilia, for recognition of the Department of Hematology & IHH as an International Hemophilia Training centre (IHTC),
- Co director of the same: Dr S Chandrakala

Medicine

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

Research

- ICMR collaboration projects; Clinical Trials, postgraduates dissertation research studies.
- 2D ECHO in critical care: introduction and basic workshop conducted in MICU for MD residents
- New facilities added –
 1. Digital instruments for BP measurement in HT OPD
 2. Both limb simultaneous BP Measurement instrument
 3. Ambulatory BP Machine
 4. Awareness program
 5. Yoga and relaxation therapy in collaboration with Occupational therapy, Psychiatry and Community Medicine departments.

Microbiology

- The department carried out undergraduate training for MBBS, B. Sc.(OT), B. Sc. (PT), BPMT, and B. Sc. (nursing) students. Post graduate training was provided to MD (Microbiology), M. Sc. (Microbiology) by research, PGDMLT and Ph.D. students.
- Six students have registered for MD Microbiology this year.
- The pass percentage for M.D in 2016 was 100 %.
- Library (Departmental Library) Books – 110, Journals – IJMM, JPGM
- Internet facility is available for all staff and students
- Conducted hands on training on HIV testing for lab technicians from facility integrated counseling and testing centers in collaboration with MDACS and PATH
- Conducted hands on training for all DOTS centre technicians from Mumbai on LED fluorescent microscopy

Neonatology

- National observers cum trainee: 20 Pediatricians and 34 nurses from Orissa, Chhattisgarh and Maharashtra trained in neonatal care under Facility Based Newborn Care program
- Organization of 7 Facility Based Newborn Care Observership Training programs of 14 days each for pediatricians & nurses from Orissa & Chhattisgarh.
- Organization of 10th annual workshop on Neonatal Ventilation from 24th to 29th April 2017
- Organization of 2nd workshop on Neurodevelopmental Care in NICU in collaboration with Department of Occupational Therapy from 27-29th November, 2017

Courses offered	Intake
DM(Neonatology)	1
MUHS Fellowship	2
IAP Fellowship	3
NNF Fellowship	2

- Library : Total no of books : 193

Nephrology

Department of Nephrology is recognized for DM Nephrology, Applied Biology, M.Sc, Ph.D. by research.

Intake Results 2017

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

Departmental Library have on line "Up-to-date" Literature access.

Departmental Library - Total Number of books – 370

and Journals – Indian -1, Foreign – 4.

Neurology

Intake for current year

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

Neurosurgery

- Conducted CME as part of the Unit 2 Dept. Of Neurosurgery under the aegis of the Chagla Memorial Trust attended by Dr. B S Singhal
- Uploaded educational YouTube videos on dissection tips
- International and national observers attend neurosurgical services. The Department has a Micro neurosurgical laboratory for anatomical dissections, the only kind in Western India, is in great demand. The laboratory is recognized by Neurological Society of India and World Federation of Neurosurgical Societies (WFNS). Department recognized by WFNS education committee as Class A center for training in skull base surgery 2008-2009.

International fellows trained

- Aniakwu Ikechukwu Dennis - Nigeria, Mathew Mesi – Nigeria, Ade Ricky - Indonesia, Steven Tandon - Indonesia, Hazim Moojid Abbas - Iraq

National Fellows

- Total Number in 2017 – 20
- The Department has 4 recognized teachers for M.Ch. (Neurosurgery) of the University of Mumbai. Every year 4 candidates are admitted for the M.Ch. Neurosurgery course.
- The Departmental library has 2314 books and various National and International Journals.
- The department is now planning to start fellowship courses with MUHS University.

Nuclear Medicine

- Course offered: DNB (Nuclear Medicine)
- Intake – 4 students per year

Obstetrics and Gynecology

Courses offered

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

International Observers and Elective Trainees in 2017

Name of the trainee,	Place of origin	Purpose of Training	Dates
Riem Alkaissy,	The Netherlands	Elective training in OBGYN	24.4.17 to 2.6.17
Shreya D Shetty	AJ Institute of Medical Sciences & Rajiv Gandhi University	Observership	15 days from 14.4.17-30.4.17

Library: Books: 524, Journal: 269

Occupational Therapy

International Observers and Elective trainees:

- Mrs. Chaitali Negandhi, Occupational Therapist From Texas, United States of America for six months of observer ship (July - December 2017).

Results:

Sr. No.	Year	Percentage of Passing (2016-17)	Intake (2017-18)
1	First B.O. Th.	94%	40
2	Second B.O.Th	93%	40
3	Third B.O.Th	100%	40
4	Fourth B.O.Th	98%	40
5	MOTh in Musculoskeletal Sciences	100%	4
6	MOTH in Developmental Disabilities	100%	2
7	MOTh in Neurosciences	100%	2
8	PhD	-	Zero
9	Externship	-	Zero
10	Observership	-	1

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: 700 Reference Books.

Ophthalmology

- MS Ophthalmology- 3 year course

Orthopedics

- Courses offered – MS Orthopedics, MUHS & MCI recognized. Every year we have an intake of 11 post graduate candidates selected from state and all India post graduate entrance examination. We conduct regularly monthly clinical meets, educative ward rounds and bedside clinics apart from scheduled under graduate and post graduate lectures.
- We have access to updated departmental library and online journal data base

Pathology

Courses offered

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

Pediatric Surgery

- Joined MUHS approved fellowship course in Pediatric Minimal Access Surgery-Dr Shalika Jaiswal and Dr Rujuta Shah
- MCh Pediatric Surgery – 3 year course

Pediatrics

4.A .International Observers & Elective Trainees: - Nil

4.B. Courses offered and Intake for Current Year:

- MD Pediatrics: 16 seats (includes KEM Hospital and B.J. Wadia Hospital)
- DCH: 12 seats (includes KEM Hospital and B.J. Wadia Hospital)
- Fellowships: Fellowship in Pediatric Intensive Care (2 seats); Fellowship in Clinical Genetics (2 seats), Certificate Course in Pediatric Respiratory Disorders (2 seats) and Fellowship in Pediatric Neurology & Epilepsy (2 seats).
- MSc in Applied Biology.
- MOCP (Medical Officer Certificate Course) Training Program with 4 trainees in a year. Under this program, medical officers from various district/ civil hospitals are trained in Pediatrics on an ongoing basis (in batches for 6 months each).

4.C. New Courses offered and Intake for Current Year: NIL

4.D. Library Holdings: Books- 331; Periodicals- 53.

Pharmacology and Therapeutics

- MD Pharmacology- New students joined- 10
- 7 postgraduate students completed the course successfully.
- M.Sc. Applied Biology- Mrs. Mugdha Pawar was awarded PhD degree for her thesis entitled “Evaluation of effects of Indian medicinal plants (*Tinospora cordifolia*, *Terminalia chebula*) alone and in combination with each other and antibiotics on Coagulase Negative *Staphylococci* and *Staphylococcus aureus* in biofilm state: An *in vitro* study”.
- Library: Currently holding 810 books. 8 new books were added this year in the departmental library.

Educational activities initiated by the faculty members:

- Handbook on Pharmacology (9th edition) was published.
- e-learning modules (n=14) were implemented for 2nd MBBS students.
- Student seminars with experts from clinical disciplines
- Faculty members of the Department trained II MBBS students for Dr AS Paranjpe Pharmacology Quiz for Mumbai zone. Series of discussions for Postgraduate students on therapeutic problems with Department of Gastroenterology, Department of Anaesthesia and Department of Nephrology

Participation in teaching and training activities:

- Department conducts teaching sessions every year for the students of II MBBS, II year BOTh, II year BPTh, II year BPMT and II year Nursing students of the college.
- Faculty members of the Department trained II MBBS students for Dr. AS Paranjpe Pharmacology Quiz for Mumbai zone.

Physiology

Courses offered and intake

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

Physiotherapy

- Bachelors in Physiotherapy – Four years + Six months of Internship (Intake capacity – 40)
- Masters in Physiotherapy – Two years (Intake capacity –20; PT in Musculoskeletal Science –PT in Neurosciences and PT in Cardiovascular & pulmonary Sciences)

- Ph.D - (Intake capacity -13)
- Departmental Library facility available .
- Educational Activities and Mentoring Program (Archana Gore and Lakshmiprabha Rangarajan -Motivation to undergraduate students to Cope up with studies).
- Lecture Theaters with audiovisual facilities Laboratories with facilities to learn Exercise Physiology and Biomechanics, Electrotherapeutics and Electrodiagnosis.
- Computers with advance Information Technology

Plastic Surgery

- Courses offered and intake for current year: M.Ch. Plastic Surgery- 4 students per year
- Staff representation in University Committees, BOS and other academic bodies: Dr. Vinita Puri (Professor & Head), Member, Board of studies, MUHS, Member, Faculty, MUHS.

Psychiatry

1. International Observers/Trainees - observers in psychology
2. Courses Offered And Intake This Year
 - o MD (Psychiatry) – 5
 - o DPM (Psychiatry) – 1
3. New Courses/Activities
 MUHS Approved One Year Deaddiction fellowship Course started in September 2016. 1 MD Psychiatry student has been enrolled since 1st September 2017
 Books on psychiatry and allied subjects: 872

Radiology

- MD and DMRD courses

Surgery [General Surgery]

- 3 year MS – General Surgery course

Surgical Gastroenterology

Observers and Trainees

- Dr. Amit Patil on One year MUHS Fellowship in HPB Surgery.
- Dr. Bharthi on One month observer in the Department.

Courses Offered:

- One Year Fellowship in Minimal Access Surgery with intake of two students every year
- One Year Fellowship in HPB Surgery with intake of one student every year
- Conduct Quarterly Basic Laparoscopic Instructional Course for Surgeons from Periphery.
- MUHS Fellowship in HPB and Liver Transplant Surgery with intake of 1 candidate annually.
- Maharashtra Govt Sponsored One Fellowship for Rural Surgeons in GI Surgery.

Library:

We have a facility of E Library with all relevant GI surgery books and online Journals.
 Besides, we also possess all the relevant GI Surgery text books too

Transfusion Medicine

- The Department has taken a lead in starting a postgraduates course in Transfusion Medicine leading to the award of M.D. in Immunohaematology and Blood Transfusion for the first time in Maharashtra with annual intake of 2 students since July 2010 and 5 batches of M.D. students have passed out till date. The M.D. Course has been granted MCI recognition in Sept 2013.
- Lectures are taken for second M.B.B.S. students, D.M.LT. students, O.T. and P.T. students and the nursing students from S.N.D.T.
- Dr. Jayashree Sharma, Dr. Charusmita Modi & Dr. Swarupa Bhagwat took lectures for DTM course conducted by CPS

Mumbai from 1st Jan. to 15th Jan 2017 & 1st July 2017 to 15th July,2017.

- C.M.L.T. students and students of Biotechnology from different Colleges come for observership.
- Technologists take specialized training in “Component Preparation and platelet pheresis.”
- The Department has well equipped library with the latest books and Journals on Blood Transfusion and Immunohaematology.
- The Department conducts regular teaching programmes for M D Transfusion Medicine students, like Case presentation, Seminars, Journal Clubs and Quiz Competition etc.
- Lectures are taken for BPMT students.

Urology

- The department has a full-fledged training programme for M.Ch. residents since 1980 which is recognized by the University of Mumbai. It is also recognized by the Medical Council of India (MCI) and National Board of Examination, New Delhi to train DNB urology candidates. Many urologists trained here occupy prestigious positions not only in India but abroad also.

Patient Care

Patient Care

Biochemistry and Clinical Nutrition:

Number of tests done in EMS Laboratory from January - November 2017.

Month	Tests	No. of Investigations		Monthly Total		Total No. of Investigations
		Male	Female	Male	Female	
January	BSL	8773	7124	17679	14402	32081
	LFT	2604	1102			
	RFT	6302	6176			
February	BSL	8511	6809	16909	13677	30586
	LFT	2460	997			
	RFT	5938	5871			
March	BSL	8879	7451	17612	14544	32156
	LFT	2650	1142			
	RFT	6083	5951			
April	BSL	8564	6938	16709	13813	30522
	LFT	2344	978			
	RFT	5801	5897			
May	BSL	8365	7117	17006	14252	31258
	LFT	2487	1112			
	RFT	6154	6023			
June	BSL	8821	6647	18356	14979	33335
	LFT	3321	1821			
	RFT	6214	6511			
July	BSL	8458	7131	17175	14594	31769
	LFT	2696	1176			
	RFT	6021	6287			
August	BSL	8765	7362	17908	15253	33161
	LFT	2892	1369			
	RFT	6251	6522			
September	BSL	8329	7221	17129	14633	31762
	LFT	2666	1121			
	RFT	6134	6291			
October	BSL	9012	7239	17937	14902	32839
	LFT	2755	1351			
	RFT	6170	6312			
November	BSL	8964	7401	17978	11553	29531
	LFT	2802	1312			
	RFT	6212	2840			

Number of tests done in CCBL from January 2017 to November 2017:

January-46257, February-43349, March- 51094, April-55790, May-58711, June-64699. July-66050, August-66403, September-68793, October-61769 and November-61357

Number of biochemical tests done in CVTC Laboratory (315) from January - November 2017

Sr. No.	Name of Test	Number of Tests
1.	Serum Cholesterol	25,429
2.	Serum Triglycerides	25,429
3.	HDL	6391
4.	LDL	6391
5.	VLDL	6391

Sr. No.	Name of Test	Number of Tests
6.	Serum Amylase	1140
7.	CPK	2195
8.	CPK-MB	2195
9.	LDH	3879
10.	ADA	2556

Cardiology

Number of procedures done in Siemens Cath Lab from 1st January 2017 to 30th November 2017

Sr. No.	Types of Procedures	No. of Procedures
1.	Coronary Angiography	1475
2.	BMV	0140
3.	BPV	0006
4.	BAV	0007
5.	ASD Device Closure	0010
6.	VSD Device closure	0001
7.	PDA Device Closure	0011
8.	PCI with stent	0525
9.	IVUS	0003
10.	Renal plasty	0003
11.	Electrophysiology Study and Radio Frequency Ablation	0064
12.	PPI Implantation	0061
13.	PPI : Battery replacement	0010
14.	Diagnostic Catheterization	0046
15.	Graft Angio	0011
16.	AICD implantation	0011
17.	AICD(Battery Replacement)	0004
18.	CRTP implantation	0001
19.	CRTD Implantation	0003
20.	Coarctoplasty	0005
21.	Coarctoplasty with stenting	0008
22.	Cammeral fistula	0001
23.	OCT	0003
24.	FFR	0002
25.	Total No. of procedures	2411

Patient load

Total No. of patients admitted in ICCU	2023
Total No. of patient admitted in Wd. 32	2399
Total no. of patients done : CST	1699
Total no. of patients done : 2D ECHO/CD	7844

EMS : 86,919 CVTC : 12,249

CVTC OPD : NEW : 11,309 OLD : 31,608

Chest Medicine:

Total admission: 1110

IPD Patients 2017	IRCU	Ward
	275	835
OPD Patients 2017	New Patient	Follow up patient
	7064	20864

Mortality rate: The total number of admissions is 1110 and 275 patients required Intensive Care. The total number of deaths in 2017 is 25. The mortality rate is 2.34 %. (01/12/2016 to 30/11/17)

Pulmonary Function Tests	
FV Loop	2616
DLCO	65
RV/TLC	10
PEFR	22
Exhaled Breath Condensate	50

Arterial blood gas laboratory:	
Total ABGs performed	72,557

Procedure	
Bronchoscopies	64
Bronchial washing	59
Diagnostic BAL	5
Therapeutic Lavage	2
TBNA	1
US Guided Biopsy/FNAC	5
Whole Lung Lavage	2
Pleural tapping	90
Lymph node FNAC	125
CT Guided Biopsy/ FNAC	15

New services added :

Diagnostic PSG Study	9
CPAP Titration	4
Split Night Study	3
Total	16

Cardiovascular and Thoracic Surgery [CVTS]

- Four Outpatient Clinics are conducted every week.
- Around 2000 new cases were evaluated for various Cardiac Thoracic and Vascular ailments.
- OPERATIVE WORK DETAILS

Total Admissions	710	
Total Surgeries	Open	399
	Closed	141
	Emergency	170

Clinical Pharmacology

Therapeutic Drug Monitoring OPD

Total Patients seen	2815
Follow-up patient seen	1375
New patients seen	1440

Drug wise patients who reported to the OPD

Name of the drugs	Total number of patients
Valproate	1092
Phenobarbitone	527
Phenytoin	572
Carbamazepine	461
Lamotrigine	63
Levetiracetam	100

Malaria OPD

Total Number of Slides screened	7030
Total Positive	274
Total Number positive for <i>P.Vivax</i>	267
Total Number positive for <i>P.falciparum</i>	07
Total Number positive for mixed infections	00

Lithium estimations done

Total number of patients	74
New patients	29
Old patients	45

Pharmacogenetics OPD- 30 patients seen

Pharmacovigilance – 341 adverse events reported

Community Medicine

Services in KEM campus:

a) General OPD services:

Month	Male	Female	Total
December 16	3158	1945	5103
January 17	4167	3207	7374
February 17	2601	1593	4194
March 17	2627	1645	4272
April 17	2216	2075	4291
May 17	2519	1303	3822
June 17	2854	1913	4767
July 17	4198	3425	7623
August 17	3991	3362	7353
September 17	3917	2970	6887
October 17	4173	3252	7425
November 17	4443	3565	8008
Total	40864	30255	71119

In the same premises, screening of BMC employees is also carried out for infectious diseases and chronic diseases. A total of 1682 employees (male – 965 female – 717) were examined in 2017.

Morbidity

Sr. No.		Male	Female	Total
1	Muscle skeleton	4056	3816	7872
2	Fever	7271	5129	12400
3	Headache	2657	1758	4415
4	ARI	4208	3031	7239
5	Chest pain	1618	1244	2862
6	AGE	889	628	1517
7	UTI	563	547	1110
8	Cough with Expect	1193	761	1954
9	PS for MP	314	184	498
10	Ref for Bl. Sugar	1693	832	2525
11	Skin	703	898	1601
12	STI/RTI	181	163	344
13	ICTC referral	168	134	302
Total		24814	18825	43639

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	2699	2565	5264
DPT 1, DPT2, DPT 3/ OPV1, OPV2, OPV3	1423	1299	2722
HBV 1, HBV 2, HBV 3	1423	1299	2722
Measles	290	301	591
MMR	282	245	527
DPT / OPV B1	248	227	475
DT / OPV B2	146	135	281

In addition, 5 rounds of National Pulse Polio immunisation on Sundays followed by a week of IPPI activities within the campus were conducted in the year of 2017.

c) Naigaon Geriatric OPD: Total patients –

Months	Old	New	Male	Female	Total
Dec-16	98	10	26	64	90
Jan-17	93	11	32	72	104
Feb-17	50	9	16	43	59
Mar-17	93	6	26	72	98
Apr-17	76	5	19	62	81
May-17	85	2	27	60	87
Jun-17	93	0	27	66	93
Jul-17	95	4	28	71	99
Aug-17	70	1	19	53	72
Sep-17	81	9	26	64	90
Oct-17	86	6	27	66	93
Nov-17					
Total	920	63	273	693	966

d) Naigaon underfive clinic :No. of New registration : 131 No. of old beneficiaries : 211

e) *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 2016 to *24th Nov 2017												
Month	Fever	AGE	Leptospirosis	Dengue		Malaria			Hepatitis		Enteric Fever	H1 N1
				ELISA	Rapid	P. Vivax	P. Falci.	Mixed	A	E		
Dec	254	5	3	2	33	10	0	0	1	1	1	0
Jan	162	7	2	2	7	3	2	0	2	1	1	0
Feb	88	17	0	0	3	4	0	0	0	0	1	0
Mar	73	1	0	0	3	3	0	0	0	0	0	0
April	114	16	2	0	5	6	0	0	1	1	0	0
May	136	17	2	0	14	12	0	0	2	0	0	0
June	221	17	5	0	35	16	0	0	2	0	2	5
July	309	7	3	4	58	41	4	3	1	0	0	15
Aug	355	7	10	3	135	70	6	4	0	0	0	13
Sep	260	7	8	1	146	51	1	3	0	0	1	1
Oct	331	1	8	2	145	24	0	0	0	0	0	0
Nov	220	0	4	2	48	20	0	0	0	0	0	0
Total	2523	102	47	16	632	260	13	10	9	3	6	34

The total cases (disease under surveillance) admitted in KEM Hospital this year were 3655.

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

Quantum of care

General OPD

	Children		Adult	Total
	0-5 Yrs	6- 12 Yrs		
Male	4305	2871	9005	16601
Female	3980	3313	16111	23405
Total	8277	6206	25052	39535

Special outpatient clinics

OPD		No. of patients
Dental		0
Psychiatry	New	62
	Follow up visits	1174
	Total	1235
Ophthalmology	Cataract surgery	0
	Optometry	0
	Total	0
Injections given		1776
Skin		4844

OPD for Chronic diseases

Disease	Male	Female	Total
Hypertension [HT]	490	1661	2151
Diabetes Mellitus [DM]	119	521	640
Bronchial asthma	14	33	47
HT with DM	290	874	1160
Ischaemic Heart Disease	9	52	61
HT with Asthma	0	13	13
Epilepsy	0	0	0
Others	0	0	0
Total	922	3154	4072

Revised National TB control Program [RNTCP]

CAT I								CAT II										TOTAL		Total patients
NSP		NSN		NEP		TOTAL		R		F		TAD		Other		Total				
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
62	58	50	47	36	74	148	179	22	12	3	0	6	0	15	37	46	49	194	225	419

Transfer In: Males- 1 Females- 1; TG- 2; NSN-TG-

MDR patients on Cat IV & V: Males: 38; Females: 30; TG: 0

	M	F	Total
No. of children started on INH prophylaxis started in RNTCP OPD	108	116	222
No. of children given MT	0	0	0
No. of children found MT positive	0	0	0
No. of MT positive symptomatic children started on AKT	0	0	0

Universal Immunization Program

Vaccination	Male		Female		Total
	< 1Yr	> 1 Yr	< 1Yr	> 1 Yr	
OPV 0	69	0	52	0	121
BCG	179	0	93	0	272
DPT1 + OPV 1	219	0	202	0	421
DPT2 + OPV 2	253	0	136	0	389
DPT3 + OPV 3	127	0	103	0	230
HBV-0	59	0	39	0	98
HBV1	219	0	161	0	380
HBV2	253	0	151	0	404
HBV3	127	0	121	0	248
MEASLES	212	0	108	0	320
BOOSTER1(DPT)	0	109	5	93	207
MMR	0	108	0	95	203
BOOSTER2(DT)	0	31	0	25	56
Inj.TT	0	18	0	16	34
Total	1717	266	1171	229	3383

New facility: Semi auto-analyzer started for blood sugar estimation for Chronic OPD patients from 13/11/2014.

IV. Services at Rural Health Training Centre: As per MCI guidelines, the department of Preventive & Social Medicine has developed the 'Rural Health Training Centre' (R.H.T.C.) at Pise-Panrapur Water Treatment Plant, Sakwar, Vasai Taluka, and Khadavli, Thane district. The various curative, preventive, promotive and rehabilitative services provided to the population of nearby villages of the R.H.T.C.s for the year 2017 are as follows:

a. Pise-Panrapur RHTC :

OPD Services

New	Old	Total Beneficiaries
495	1700	2195
Male	Female	Total Beneficiaries
1660	9	1669
Adult	Children	Total Beneficiaries
1710	0	1710

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

Male	Female	Total Beneficiaries
124	152	276

ANC Aarogya Shastra Activities: At Khadavli camp

	New	Old	Total Beneficiaries	Referrals
ANC	395	110	488	30
Peadriatics	75	84	160	-

b. Sakwar RHTC :

OPD Services

New	Old	Total
15357	17697	33054
Male	Female	Total
14100	16600	30700
Adult	Children	Total
30600	3410	34010

- School health check up activities: Male – 1010, Female - 850, Total Beneficiaries - 1860
- Immunisation sessions activities: Sessions – 16, Total beneficiaries – 275
- Anganwadi Health check up activities: Male – 383, Female – 510, Total beneficiaries – 539

- Pulse Polio activities: Sessions – 3, Total beneficiaries: 230
- Geriatric health check up activities: Male – 740, Female - 767, Total Beneficiaries - 1507
- Health education sessions conducted: 52

Maternal and child health activities:

	New	Old	Total
ANC	110	119	229
Paeds	1730	1930	3660

c. Khadavli RHTC:

General OPD

Adult		Children		Total
Male	Female	Male	Female	
4450	5630	1920	1516	
10080		3436		13516

	Male	Female	Total
School Health check up	630	534	1164
Geriatric health check up	243	204	447
Anganwadi health check up	2020	1936	3956
	New	Old	Total
ANC Aarogyashastra activity (ANC)	412	264	676
ANC Aarogyashastra activity (Pediatrics)	512	2012	2524

Immunization: Sessions: 272 Total Beneficiaries = 2375

Pulse Polio sessions – 4 Total Beneficiaries = 14,200

Dermatology

- No of OPD patients per day-400-500/day.
- No of biopsies done per day-15-20/day.
- No of IPD patients per week-20/week.
- No of procedures per week-70-90/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-Multiplatform harmony laser machine, IPL and Q switched Nd YAG for the treatment of disorders like hirsutism, acne scars, vascular lesions, facial rejuvenation.
- Inclusion of Biological like Rituximab injection under RGJAY thereby benefitting more number of patients with vesiculobullous disorders.

Dentistry

Total OPD patients - 10,527

Procedures done: - Extractions – 918, Root canals – 186, Restorative work (fillings) – 378, FPDs – 223, IOPAs – 1407, Major and minor surgeries – 214

Endocrinology

1. Indoor admission: 621 (01 January 2017 to 01 December 2017).
2. Outdoor patient: 47700 (01 January 2017 to 01 December 2017).

	New Pts	Old Pts	Total
Diabetes	5284	23585	28869
Thyroid	5481	9235	14716
P&G No.	1101	3014	4115
Total :	11866	35834	47700

Indoor Admission – (01 January 2017 to 30 November 2017).

Month	Male	Female	M/C	F/C	Total
January	29	27	05	01	62
February	25	24	02	03	54
March	19	20	09	01	49
April	27	23	03	01	54
May	26	21	06	03	56
June	21	28	03	03	55
July	36	17	05	04	62
August	16	22	05	04	47
September	34	24	07	04	69
October	25	19	03	04	51
November	32	24	04	02	62
Total	290	249	52	30	621

*Out Door Patient new***Diabetes**

Month	Male	Female	M/C	F/C	Total
January	210	242	02	-	454
February	210	266	02	-	478
March	178	182	03	01	364
April	238	272	01	-	511
May	197	260	04	02	463
June	239	261	03	01	504
July	238	276	03	02	519
August	223	252	02	01	478
September	259	259	-	02	520
October	219	217	01	03	440
November	253	294	05	01	553
Total	2464	2781	26	13	5284

Thyroid clinic

Month	Male	Female	M/C	F/C	Total
January	54	489	06	04	553
February	46	474	02	09	531
March	34	255	03	01	393
April	49	381	03	.01	434
May	38	418	05	01	462
June	94	455	07	04	560
July	53	463	05	03	524
August	35	401	04	06	446
Sep	66	474	02	01	543
October	53	465	04	04	526
November	61	434	06	08	509
Total	583	4709	47	42	5481

Puberty and Growth clinic

Month	Male	Female	M/C	F/C	Total
January	37	57	11	03	108
February	50	49	10	14	123
March	22	27	10	11	70
April	36	55	15	11	117

Month	Male	Female	M/C	F/C	Total
May	38	35	14	15	102
June	39	54	13	08	114
July	48	39	12	11	110
August	25	40	09	12	86
September	36	31	16	13	96
October	32	38	02	07	79
November	38	39	10	09	96
Total	401	464	122	114	1101

Old Diabetes patients

Month	Male	Female	M/C	F/C	Total
January	1030	1198	04	01	2233
February	786	1010	02	-	1798
March	706	853	-	-	1559
April	955	1134	01	--	2090
May	929	1131	--	--	2060
June	906	1052	04	01	1963
July	1144	1276	04	01	2425
August	119	1264	02	01	2386
September	1099	1172	-	01	2272
October	1114	1471	05	03	2593
November	1033	1171	0	02	2206
Total	19821	12732	22	10	23585

Old Thyroid

Month	Male	Female	M/C	F/C	Total
January	82	862	02	-	946
February	66	757	04	01	828
March	185	796	-	1	982
April	67	747	1	-	815
May	58	765	--	--	823
June	110	750	09	01	870
July	78	772	01	02	853
August	73	581	0	0	654
September	79	755	01	02	837
October	96	654	01	01	752
November	72	801	01	01	875
Total	966	8240	20	09	9235

Old Puberty and Growth clinic

Month	Male	Female	M/C	F/C	Total
January	99	138	09	14	260
February	111	152	10	08	281
March	118	134	09	05	266
April	128	208	15	09	360
May	87	121	34	23	265
June	136	134	09	09	288
July	154	148	12	02	316
August	95	110	14	18	237
September	125	120	04	06	255
October	80	84	09	10	183

Month	Male	Female	M/C	F/C	Total
November	144	148	04	07	303
Total	1277	1497	129	111	3014

Hormone Assay Workload

Sr. No.	Test	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov
1	FBS	1024	962	1052	919	448	0	0	0	0	0	0
	PLBS	98	79	87	99	37	0	0	0	0	0	0
2	HbA1c	1420	1365	1358	1168	1189	1309	1524	1327	1370	1207	1340
3	T3	1349	1205	1035	1326	1233	2157	861	750	1049	514	1127
4	T4	1429	1220	1080	1239	1217	715	932	731	1056	500	1156
5	TSH	2192	1760	1713	2462	1819	1652	1903	1675	1948	1051	1885
6	AMA	124	109	124	238	182	180	224	150	221	190	170
7	FSH	117	106	106	134	176	99	119	116	85	103	122
8	LH	118	85	110	157	126	96	122	101	90	94	116
9	PRL	110	99	67	336	124	77	125	112	89	102	120
10	Testo	99	139	103	159	108	83	105	92	82	78	9
11	Cortisol	111	83	117	158	112	106	127	87	98	116	125
12	PTH	135	189	119	290	168	146	221	169	169	155	170
13	ACTH	0	0	0	0	23	18	0	0	10	15	6
14	IGF1	0	0	0	0	31	18	43	23	13	15	0
15	HGH	0	0	0	0	27	17	42	16	16	22	16
16	FT3	111	69	75	151	79	64	70	67	74	100	81
17	FT4	107	127	115	257	72	65	153	104	110	130	86
	Total	8544	7597	7261	9093	7171	6802	6571	5520	6480	4392	6529

ENT

- Total inpatients admission – 1876
- Total surgical procedures – 2124
- Total New out patients – 24,983
- Total no. of Audiograms – July 2016 to Dec. 2016 -1150
- Total no. of speech evaluation –90

Forensic Medicine

- Estimation of age of 91 persons (till date) including sportsperson & others status. Consultation to surgery & medicine wards regarding the injury certificates in admitted cases.
- Total Ante-mortem cases - 246

Gastroenterology [Medical]

O.P.D. Patients	
New patients	6456
Follow-up patients	14317
Indoor patients Admitted to Gastroenterology wards Referred patients (indoor)	1570
<i>Procedures</i>	
Diagnostics	
Upper GI Scopy	4200
Colonoscopy	1200
E.R.C.P	672
Proctoscopy	900

Liver Biopsy	245
EUS procedures	400
Therapeutic procedures	
Esophageal Variceal Sclerotherapy	134
Esophageal Variceal Band/Loop Ligation	960
Endoscopic Clipping for Bleeding Lesion/Polyps	62
Esophageal Dilation	244
Esophageal Prosthesis Placement	08
Gastric Varices with Glue	150
Bleeding Ulcer Injection.	320
EUS Therapeutic Biopsy	135
Poem	04
Argon Plasma Coagulation	50
Endoscopic Biliary Sphincterotomy	550
Endoscopic Pancreatic Sphincterotomy and Drainage	60
Pancreatic Cyst Drainage	22
Polypectomy	82
Foreign Body Removal	114
Percutaneous Endoscopic Gastrostomy	18
Rectal Stricture Dilation	20

Special Procedures

- Endoscopies, in children are done under general anesthesia: 250

Special Investigations: -

- Esophageal Manometry was done in 127 patients'
- Anorectal manometry: 157 Antroduodenal – 1, pH metry: 07Timed Barium swallow- 30
- Thromboelastogram (TEG) – 56
- Soecial services for patients: 24-h emergency service, especially for patients with GI bleeds,pancreatitis, cholangitis and liver disease complications

Hematology:

In Patient Service

- BEDS: Total - 25 [Allotted].

Year of 2017		
Month	Admission	death
January	95	1
February	87	2
March	91	1
April	69	1
May	53	1
June	61	2
July	69	4
August	89	2
September	64	3
October	60	3
November	61	5
December	36	-
Total	835	25

Day Care facilities- The department runs a day care, for patients to be given treatment on a day care basis. This includes

- Thalessemia patients 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.

Number of patients treats in hematology day care

Month	No. of Patients
January	506
February	495
March	228
April	760
May	749
June	899
July	908
August	1238
September	1138
October	1288
November	1512
December	894
Total	10615

Laboratory information: The Haematology 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 2017 is as follows:

2017							
Month	HB	Retic	TC/DC	ESR	Plt.C	MP	BMA
January	1395	372	1395	08	1395	-	102
February	1281	320	1281	03	1281	-	92
March	1204	280	1204	03	1204	-	86
April	1311	336	1311	02	1311	-	97
May	1262	305	1262	02	1262	-	40
June	1346	336	1346	01	1346	-	95
July	1490	399	1490	08	1490	-	81
August	1331	362	1331	12	1331	-	88
September	1441	362	1441	05	1441	-	85
October	1391	346	1391	10	1391	-	94
November	1572	468	1572	09	1572	-	103
December	915	230	915	07	915	-	42

Month	PT	APTT	HBEPP
January	Machine was not working	Machine was not working	Machine was not working
February	Machine was not working	Machine was not working	11
March	24	15	62
April	38	22	35
May	66	47	17
June	66	51	Machine was not working
July	62	30	Machine was not working
August	49	28	Machine was not working
September	108	75	Machine was not working
October	73	43	Machine was not working
November	85	57	Machine was not working
December	85	30	

Medicine

OPD and Indoor patients

- General OPD – 286
- Infectious disease OPD – 898
- Indoor patients- Male 1867, Female 1277
- Dr.ARP Unit IPD Patients- 2032
- Dr.MYN Unit IPD patients -2344
- Dr.AGR Unit IPD patients- 3908
- Dr.RNS Unit IPD patients- 3144
- Dr.SBS Unit IPD patients – 3427
- Dr. AKS Unit IPD patients- 3344
- Dr. KSJ Unit IPD patients-3427

Total OPD Patients -

- Old patients : 27715
- New patients : 12825

HIV patients -584

Rheumatic patients-

- New patients-2468
- Follow up patients -9737

Hypertension patients-

- New patients-750
- Old patients-5890
- Total patients-6640.

Geriatric patients – 382

Procedure	No of patients
Patients on ventilator	450
2 Decho done by portable, USG + Echo machine on MICU patients	340
Percutaneous tracheostomy	05

Microbiology

Genexpert based HIV viral load testing is currently provided for patients referred from ART centre

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

Section	Workload
Bacteriology including Emergency laboratory	
• Samples processed	61000
• AMST	44000
• Vitek rapid ID and ABS	1000
Total	106000
Virology	
• Serological tests (HIV,HBV,HCV serology)	103630
• RPR	3116
• CD4 count	12338
• Viral Load	3277
Total	122361
Serology including Emergency laboratory	
• Leptospirosis	33510
• Dengue	60185
• Widal	2470
• Others	5934
Total	102099
Mycobacteriology	
Microscopy – LED fluorescence (pulmonary)	18700
Microscopy – LED fluorescence (extra-pulmonary)	3495
GeneXpert	5400
Total	27795

Section	Workload
Mycology	3700
Parasitology	
Stool examination (routine)	7800
Stool for opportunistic parasites	885
Malaria Antigen Test(including emergency lab)	17953
Total	26638

Neonatology:

Neonatal Intensive Care Unit : 42 beds

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

Quantum of patient care: (Up to November 2017)

Total number of babies born	6947
Total number of LBW babies	2474
Total number of NICU admissions	1689
Total number of KMC recipients	859

New Services:

- 2D Echo facility for neonates admitted in NICU
- USG (cranial, lung and abdomen) for neonates admitted in NICU

Nephrology

1. Established following specialized clinics
 1. Hemodialysis Clinic: 450 patients attending regularly
 2. Lupus Nephritis Clinic: 200 patients
 3. CAPD Clinic: 40 patients
 4. Pre-dialysis CKD Clinic: 500 patients

Total No of OPD patients	Old –12841 ; New – 2488
Indoor patients	1757
Referred patients	12158
Kidney biopsies	155
Haemodialysis performed	7153
Kidney transplants	20

Test done in A.K.D. Lab From Jan.2017 to Nov. 2017

Complete Blood Count	17090
Urine Routine & Microscopic	15156
24 hrs. urinary protein	9037
Urine Creatinine	739
Urine Culture	3643
Sensitivity Extended	90
Misc. Culture	32
Sensitivity	10
Blood Culture	340
Sensitivity extended	50
Australia Antigen (Elisa)	
HbsAg	511
HCV	511
Urine Osmolality	446

Serum Osmolality	474
Urine PH	115
Stool routine	41

Biochemistry from Jan. 2017 to Nov. 2017

BUN	18568
Creat	18620
Total protein	6502
SGOT/AST	11997
SGPT/ALT	12241
Na+/Sodium	16765
K+/Potassium	16765
Cl - / Chloride	16765
Phosphorous	16230
Alkaline phosphatase	8908
Uric Acid	12144
Glucose	2854
Bilirubin Total	571
Direct	571
Albumin	16629
Calcium	16246

Neurology

I. Investigations

- o Routine VEEG -1020
- o Ictal VEEG-236
- o Electromyography & Nerve Conduction study (EMG/NCS)- 600

II. Epilepsy Surgery

1. Surgery conducted in 2017.
 - o Ecog Guided (ECOG) - 41
 - o Non Ecog Guided (Non –ECOG) -3
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 neuropsychological evaluations for Epilepsy Surgery and other neurological conditions including evaluations for fitness.

III. OPD Services

- o Pre-operative & post surgery counseling and guidance for Epilepsy patient.
- o Neurology New – 4,409 patients per year
- o Neurology Old- 7,554patients per year
- o Epilepsy New- 1,540patients in the year
 - o Epilepsy Old –14,318 patients in the year
- o Pediatric Epilepsy New– 233 patients in the year
 - o Pediatric Epilepsy Old - 749 patients in the year
- o Indoor Services -618 patients

IV. Stroke Center

20 Patients thrombolysed in 2017. There is coordination with Neurosurgery for Mechanical Thrombectomy for Acute Stroke.

V. Movement Disorder Clinic

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

Neurosurgery

- OPD new – 7435
- Old-7831
- Total – 15266
- Indoor patient – 1874
- Elective surgeries – 1800
- 2000 operation done on head trauma
- Digital subtraction angiograms and endovascular neurointerventional procedures are being performed. Carotid stenting, coiling and flow diversion of aneurysms and treatment of cranial and spinal arteriovenous malformations is being routinely done.
- Awake craniotomies and intra-operative monitoring techniques are now available and being performed routinely.
- Video EEG and neuropsychological assessment done

Nuclear Medicine

Addition of PET/CT related services

List of Nuclear Medicine investigations:

	Total
HIDA	58
Liver	5
Thyroid	183
Bone	82
Renogram	656
DMSA/GHA	128
Abdomen	33
GER	28
GET/ETT	113
Lung Scan	11
Lymphoscinti	13
Parathyroid	7
Brain	15
MIBI	106
GALLIUM	4
Cardiac PET	46
Brain PET	56
F-18 bone scan	69
WB PET	336
MISC	7
I-131 MIBG	2
I 131 SCAN	2
I 131 low therapy	10
Total Scans	1970

Obstetrics and Gynecology

Total patient care

- Total No. of confinements : 6138
- Total major surgeries (Obstetric OT) : 2729
- Total minor surgeries (Obstetric OT) : 1231
- Total surgeries (Gyn OT) : 679

Occupational Therapy

- Workload:

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

Orthopedics

- Facilities of treating fresh and neglected musculoskeletal trauma in all age group.
- Treatment given for congenital, inflammatory, infective, neoplastic and degenerative pathologies affecting musculoskeletal system.
- 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

Pathology

CVTC Laboratory	116
PM specimens received	500
PM Blocks Made	4300
PM slides stained	5000
Surgical specimen received	490
Surgical block made	560
Surgical slides stained	2450
Cytology specimen received	700
Cytology slides stained	2200
Special stains	100
Total slide stained	9650
Total specimen received	1690
Total block made	4860
CVTC Laboratory	315
Blood Collections	22,558
Hemograms	16,496
Prothrombin time	34,230
BT-CT	100
Routine Urine Examination	2872
Routine body Fluid Examination	270
Serum Cholesterol	25,429
Serum Triglycerides	25,429
HDL	6391
LDL	6391
VLDL	6391
Serum Amylase	1140
CPK	2195
CPK- MB	2195
LDH	3879
ADA	2556

CVTC Immunology Lab	316
CRP	7834
C3	2972
C4	2557
RA factor	690
ACLA – IgG	340
ACLA IgM	340
Immunoglobulin E	701
Cryoglobins	4
Bronchalveolar lavage cytology	7
<i>Cytology</i>	
FNAC non guided	2650
FNAC USG guided	1830
No. of slides generated from FNAC	24500
PAP staining	11960
Giemsa staining	12850
Fluid samples for cytology	450
ICC done for cyto slides	25
Cell blocks prepared	21
<i>O. C Laboratory</i>	
Hemograms	11962
Biochemistry	5671
PCV	2344
MP	190
BT/CT	00
<i>EMS laboratory</i>	
Hemograms	81,798
Smears for malarial parasites	79,709
Arterial Blood Gas	29,793
CSF	808
PT/INR	30,697
<i>Surgical Pathology (library bldg 2nd floor)</i>	
No. of specimen	9599
No. of blocks	39074
No. of slides prepared	59710
No. of special stains	5002
No. of frozen section	750
No. of kidney biopsies	232
No. of Liver Biopsy	295
Clinical Pathology and Hematology (MSB 6 th floor)	
Hemograms	326,178
Malarial parasites	7,195
Optimal / QDX (Malarial antigen test)	4,845
Platelet count	76,623
Special investigations (RBC, Sickling test, LE cell, Reticulocyte count, buffy coat, Microfilaria, ESR)	11,382
Special stains for leukemia	156
Bone marrow biopsies, Bone marrow Aspirate & Imprint	325
Urine examination	1,06,825
Fluid samples for microscopy	3,498
<i>Neuropathology</i>	
Clinical Pathology	
No. of Hemograms	837

No. of CSF examined	1223
Biochemistry	
No. of Asctic/Pleural	3503
Proteins urine porphry	1223
Histopathology	
No. of tissues received	1116
No. of blocks prepared	3475
No. of slides prepared	6685
No. of tissue for cryo/squash	50/204
No. of CSF cyto/ Cryptococcus	304
Autopsy	
No. of brains received	121
No. of blocks prepared	2725
No. of slides prepared	2588
OPD 008 Outpatient Department Laboratory - Clinical & Hematological Services	
Blood collections:	2, 25,001
Hemogram:	84,062
Coagulation profile (BT/CT):	854
Routine urine examination:	26,630
Malarial Parasites	816
Platelet count	2702
Autopsy Section	
Total No. Autopsies Performed: 280 + 200 (medicolegal + clinical) = 480	

Pediatric Surgery

- Total admissions – 1020
- Total no of Surgeries – 1108
- Major surgeries – 530
- Minimal access surgeries – 194
- Minor surgeries – 566
- 3-D laparoscopy - 58

Pediatrics

Patient Services	2017 (till 15 th November 2017)
General Pediatric OPD	26082
Indoor Admissions	5139
EMS Attendance	27321
PICU Admissions	442
Under Five Clinic	4616
Pediatric Rheumatology Clinic	44
Pediatric Nephrology Clinic	114
Pediatric Chest Clinic	420 (126)
Genetic Clinic	449 (115)
School Clinic	913
Thalassemia day care centre admissions	1895
Pediatric Epilepsy Clinic	1506 (152)
Learning Disabilities Clinic	636 (517*)

Note: Figures in parenthesis indicate new patients; *Certified/ Evaluated

Pharmacology and Therapeutics

- OPD services: Ayurveda Research Centre of Department of Pharmacology & Therapeutics runs an OPD on Friday afternoon. Last year n = 2204 patients were registered in the OPD.

- Indoor admissions in Ayurveda Ward were done whenever detailed assessment and
- *Panchkarma* and other therapeutic procedures were required. Total number of indoor admission in 2017 was 836.
- Monitoring for Quality of Ayurvedic Formulations: 32 Ayurvedic formulations were analyzed for synthetic steroids and of these 18 were found to contain synthetic steroids. Eighteen samples were received for detection of heavy metals and of these 06 were found to contain heavy metals.
- Advice was provided to the Octroi department of MCGM regarding 400 plant drug containing formulations with justification.

Physiology

- Verification of Medical grant given by the Tata Trust which have been processed by Tata Trust for PBCF donation.
- Students are trained for better quality patient care.

Physiotherapy

Total number of outdoor patients – 135,000

- Total number of indoor patients -190,000
- Daily average of patients in the OPD - 600
- Daily average of PT Indoor attendance – 750

New Services

- Introduced — 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

Plastic surgery

Joint Clinics : Hand, Maxillofacial Surgery, Brachial Plexus, Intersex.

Workload

Year	2017
Indoor patients - Plastic surgery	835
Indoor patients – Burns	127
O.P.D. Patients	9215
Casualty Reference	1452
Routine operations	1387
Emergency operations	2671
TOTAL OPERATIONS	4058
Referrals from other departments	2390

Special Services for patients

Comprehensive hand clinic, Maxillofacial clinic, Breast Clinic, Brachial Plexus
Endocrinology-Plastic clinic

Psychiatry

Overall workload

Numbers of new patients seen in OPD were

- Dr SRP unit: 3077
- Dr ASN unit : 2726

Number of follow-up patients examined

- Dr SRP unit: 23412
- Dr ASN unit : 23041

Indoor Admission: 658

- Dr. SRP Unit – Females – 132, Male – 230

- Dr. ASN Unit – Females – 93, Male – 130
- EEGs Total no. of patients - 996
- ECTs Total no. of patients - 1091
- Psychological testing - Total no. of patients - 1415
- Deaddiction Centre
- OPD New cases – 935
- Follow up cases - 7651
- Indoor Admissions – 174

Drug deaddiction laboratory work report

Urine Samples assessed for alcohol, morphine, cannabis, benzodiazepines, MDMA, cocaine, amphetamine, miscellaneous samples – 13155

Specialist Services

Group Therapy Services

The department provides group therapy services for patients. The disorders and the number of patients counseled are as follows:

- Suicide groups: - 95
- Sexual dysfunctions group: - 159
- Dementia group/ Memory Clinic – 26
- Caregivers of Patients with Schizophrenia group – 480

Specialized Clinics:

- Child guidance clinic for children with psychiatric disorders
New cases - 525
Follow up - 1541
- Geriatric clinic for old age patients –480

Yoga clinic- Yoga therapy once a week

No. of patients for counseling by PSWs:

- Mrs Sadhana Bhatkande : 2350
- Mr Vasant Sutar : 1848

Radiology:

In the year 2017, the Dept. of Radiology has performed following number of scans

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

Social service

- Regular fruit and dry fruit distribution to Hematology various indoor and OPD patients movies, games and various competitions for Hematology patients through the sponsorship of KARO Foundation .
- Total no. of patients (till Nov. 2017) – 30,524 (Thirty thousands, Five hundred and Twenty four only).

- Total donations collected (upto Nov. 2017) – Rs. 69,83,28,700 (Rupees Sixty – nine crore, Eighty three lakh, Twenty – eight thousand, Seven hundred only).
- Free morning breakfast and packed lunch to relatives of patients sponsored by Jeweler Foundation (breakfast) and lunch by Rotary Club of Mumbai Marine Lines

Surgical Gastroenterology

Workload

Month	OPD New	OPD Old	Indoor Admissions	Operated	Mortality
Jan 2017	128	200	77	50	NIL
Feb 2017	124	199	79	48	4
March 2017	85	152	60	34	4
April 2017	91	156	65	54	6
May 2017	108	127	88	62	NIL
June 2017	114	211	82	46	NIL
July 2017	165	212	97	47	1
Aug 2017	116	194	76	49	2
Sept 2017	113	219	76	50	5
Oct 2017	142	226	71	47	4
Nov 2017	146	278	103	55	3
Dec 2017	126	292	79	53	3
Total	1458	2386	953	566	32

New Services Added

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

Name of Surgery	Nos.
Esophagectomy for Ca Esophagus	3
Esophago-coloplasty for Corrosive stricture	0
Cervical Esophagostomy with Dilatation for Corrosive stricture	6
Esophageal dilatation	28
Radical Gastrectomy for Ca Stomach	11
Gastrojejunostomy for Palliation in Ca Stomach	5
Feeding Jejunostomy for Ca Stomach	12
Whipples Surgery for Ca Pancreas	23
Triple Bypass for Inoperable Ca Pancreas	4
Extended Freys Surgery for Chronic Pancreatitis	19
Cysto Jejunostomy for Pseudo-cyst of Pancreas	2
External drainage of Pseudo-cyst of Pancreas	2
Pancreatic Necrosectomy	7
Hepatic Resection	14
Extended Cholecystectomy for Ca Gall Bladder	10
Open Cholecystectomy	24
Hepatico-Docho-Jejunostomy with Hepp-Counaid technique for Bile duct Injury	33
PSR Shunt surgery for PHT	12
Devascularization Surgery for PHT	5
Open Splenectomy	12
Surgery for GIST	3
Total Proctocolectomy with Ileo-Pouch Anal anastomosis using double stapling technique for Ulcerative Colitis	12
Low Anterior resection using double stapling technique	9
Extended Right Hemicolectomy	8
Haemorrhoidectomy	6

Name of Surgery	Nos.
Sigmoid Colectomy	6
Colostomy Closure	1
Small Bowel Surgery	18
Ileostomy Closure	17
Lap Cholecystectomy	133
Lap Splenectomy	18
Lap Total Colectomy	4
Lap Right Colectomy	7
Lap Left Colectomy	3
Lap Nissens Fundoplication for Hiatus Hernia	2
Lap Hellers Cardiomyotomy	3
Lap Appendicectomy	15
Lap Gastrectomy	0
Lap Adrenalectomy	1
Diagnostic Lap	14
Lap Bariatric Surgery	1
TOATL	513

Transfusion Medicine

Blood grouping and Cross matching	2 lakh blood units
Random donor platelets	11032 units
Single donor platelets	143 units
Blood units dispatched to the patients	150-200/day
Blood donation camp done	200-220
Blood units collected	36000

Urology

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.
2017 (till Nov.2017)	3222	5666	3782	3658	323	366	17017	1174	2510	21

Diagnostic Workload

Year	USG	Cystoscopy & Related Procedures	Uroflowmetry	Trust Guided Biopsy	UDS
2017 (till Nov.2017)	320	835	1359	128	355

Operative Workload:

ESWL:	2017 (till Nov.2017)
Renal Stone	40
Ureteral Stone	18

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Publications

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Research

Research

Anatomy

- A Morphometric Study of Dry Human Tibia
- A Study of Anatomy of Median Nerve in Cadavers
- A Study of Gross Anatomy and Computed Tomographic Angiogram of Renal Arteries
- A study of parameters of hip joint in cadavers in the western region of India
- A morphological study of brachial artery
- A morphological study of pronator quadratus
- A morphological and morphometrical study of psoas minor
- A morphological study of quadriceps tendon and patellar ligament
- Perceptions of teaching faculty on undergraduate curriculum in Anatomy
- A morphological and morphometrical study of menisci
- A morphological and morphometrical study of scapulae
- A morphometric study of deep and superficial inguinal rings
- A morphometric study of arcuate line of rectus sheath by
- 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

Biochemistry and Clinical Nutrition

- Biochemical parameters in HIV-TB coinfection
- Characterization and assessment of anti-cancer activity of Indian honey
- Predictive values of biochemical markers in cardiovascular disorders and renal diseases
- Role of cardiac and inflammatory markers and their inter-relationships in cardiac disorders
- Validation of a point-of-care testing device and biochemical-hematological evaluations in renal diseases
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Cardiology

- "A Randomized, Double – Blind, Placebo-Controlled, Parallel- Group Study to Evaluate the Effect of SAR236553/ REGN727 On the Occurrence of Cardiovascular Events in Patients Who Have Recently Experienced an Acute Coronary Syndrome. (EC/PHARMA-21/2013)
- Protocol No. TDE-PH-310 The study title: A Phase III, International, Multi-Centre, Randomized, Double-Blind, Placebo-Controlled, Event Driven Study to Compare the Time to First Clinical Worsening in Subjects with Pulmonary Arterial Hypertension Receiving UT-15C in Combination with a PDE5-1 or ERA Compared with a PDE5-1 or ERA Alone. (EC/PHARMA-25/2012)
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- "A multicenter study to evaluate safety and tolerability in patients with chronic heart failure and reduced ejection fraction from PARADIGM-HF receiving open label LCZ696" (EC/PHARMA-11/2015)
- "A Randomized, Double-Blind, Parallel Group Study to Evaluate the Efficacy and Safety of Alirocumab (SAR236553/ REGN727) Versus Ezetimibe in Asia in High Cardiovascular Risk Patients with Hypercholesterolemia Not Adequately Controlled with Their Statin Therapy. (EC/PHARMA-08/2016)

Chest Medicine

- Assessment of respiratory morbidity due to environmental exposure to Volatile Organic Compounds -in collaboration with NEERI.
- 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 Gene expert results versus Mycobacterial Tuberculosis liquid culture results in suspected Tubercular lymphadenopathy.
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- Correlation of severity of bronchial asthma with serum IgE levels.
- Retrospective study to compare the yield of pleural fluid Gene xpert versus pleural fluid liquid culture for the diagnosis of Tuberculosis pleural effusion in tertiary care hospital.
- Assessing the prevalence in osteoporosis and various risk factors associated with reduced bone mineral density in patients suffering from Chronic Obstructive Pulmonary Disease using DEXA scan.
- To study the changes in serial lung functions in patients with Interstitial Lung Disease.
- To assess the prevalence of Asthma COPD overlap syndrome in a tertiary care Out Patient Department
- To analyze pH of exhaled breath condensate and correlate pH of EBC to severity of Interstitial Lung Disease.
- Pattern of Drug Resistance among Extra Pulmonary Tuberculosis.
- Exhaled breath condensate in Chronic obstructive pulmonary Disease.
- Study of CD4 cell count in HIV negative patients with Tuberculosis.
- Retrospective study of lung functions in Chlorination plant workers.

CVTS

- Tricuspid valve repair using autologous pericardium- A novel method
- Total arterial revascularisation using BIMA
- Pulmonary endarterectomy- a study of 9 patients

Clinical Pharmacology

- An audit of Laboratory Parameters to assess nature and extent of screen failures and to determine the reference ranges for Indian participants presenting at a clinical trial site.
- Determination of laboratory reference intervals in healthy Indian adults at an academic center
- Evaluation of the compliance of the clinical trial sites with Quality Council of India (QCI) guidelines in Mumbai and determination of the challenges faced by the investigators
- Pharmacoeconomic study for cost effectiveness of genotyping in patients on warfarin therapy with respect to prevention of bleeding episodes.
- Association of genetic polymorphisms of cytochrome P450 C19, ABCB1, P2Y12 and response to the clopidogrel.
- Pharmacokinetics-Pharmacodynamics relationship of vancomycin in patients with suspected or proven Gram-positive bacterial infection admitted to medicine intensive care unit of tertiary care hospital
- Pharmacokinetics-Pharmacodynamics relationship of vancomycin in children with suspected or proven Gram-positive bacterial infection admitted to Pediatric intensive care unit of tertiary care hospital.
- A study comparing published protocols and/or trial registry entries with published papers from two high impact factor journals
- A Case-Control study to assess the prevalence and association of different Paraoxonase 1 (PON-1) polymorphisms and its activity with Coronary Artery Disease (CAD)
- Assessment of modulation of activity of Paraoxonase-1 (PON-1) by statins in patients requiring statin therapy
- Estimation of prevalence of mutation in Artemisinin drug resistance associated with Pvk12 gene in Plasmodium vivax malaria parasite isolate in a tertiary care center
- A one-year audit of studies registered retrospectively with the Clinical Trials Registry of India [CTRI]
- Pharmacogenetic Landscape of CYP2C9 & CYP2C19 polymorphisms in India: A Systematic Review.
- An Audit of Recommendations of Subject Expert Committees of the CDSCO: 2014 to 2017
- Analysis of Phase I clinical trials registered in clinicaltrials.gov for ethical issues
- Ethical Issues in clinical trials done on Healthy volunteers: Analysis of Phase I trials registered in CTRI
- CSIR Sponsored Project entitled 'Advanced Drug Delivery Systems'
- Association of genetic polymorphisms of CYP2C19, ABCB1 and P2Y12 with response to clopidogrel in normal healthy participant

- Modelling malaria prevalence in Mumbai
- An open label, single, oral dose bioavailability study of Vitamin K2-7 (capsules of 3000 µg) of Synergia Lifesciences Pvt. Ltd. in healthy adult, human subjects
- Phase-I open label dose-escalation clinical trial to evaluate the safety, tolerability and immunogenicity of Chikungunya vaccine in healthy adults of 18 to 50 years age
- A Prospective, Open-label, Multicenter, Phase 3 Study to Assess the Acceptability of and Adherence to a 10-Day Regimen of Zinc Sulfate Dispersible Tablets for Treatment of Acute Childhood Diarrhea' (EC-PH-24-16)

Community Medicine

- Implications of mentorship approach on glycemic control among type-II diabetics in a tertiary care hospital: A randomized controlled trial (A preventive trial)
- Assessment of work load of ASHA- A precursor for optimizing their functions
- An epidemiological study to evaluate morbidity patterns in wood workers with special reference to occupational diseases in an urban slum area
- An epidemiological study to assess the morbidity profiles among postmenopausal women in urban slum of metropolitan city
- An epidemiological study of addictive behavior pattern amongst adolescent tobacco users
- An epidemiological study to assess the determinants and co-relates with reference to terminal contraception, family size and demographic trends
- A cross sectional study to evaluate malnutrition prevalence in under five children and health seeking behavior of their parents in an urban slum area of metropolitan city
- An epidemiological study of determinants, health seeking behavior and quality of life in physically disabled persons attending physical medicine and rehabilitation center in a metropolitan city
- A study of risk factors and prevalence of substance abuse among young adults in an urban slum
- Study of morbidity profile, nutritional status of primary school children and health seeking behavior of their parents in and urban slum
- A cross sectional study to estimate the prevalence of diabetes, its determinants in tuberculosis cases in a health post of a metropolitan city
- Assessment of preparedness for health-related sustainable development goals with reference to achievements of millennium development goals 4, 5 and 6
- A study to assess the risk factors for non-communicable diseases among young adults in an urban area
- A study to analyze the epidemiological mapping of dog bite cases attending ARV OPD of a tertiary care hospital
- An experimental preventive trial for the assessment of non-pharmacological intervention in the management of hypertension in a tertiary care center of metropolitan city
- The study to access vulnerability profile with reference to stress events in life: An urban community based study
- An epidemiological study of the determinants and patterns of complementary feeding practices amongst children of 6-24 months age group
- Study of utilization of telemedicine services of apex hospital in Maharashtra
- To assess the effectiveness of nutritional intervention in management of severe acute malnourished children admitted at nutritional rehabilitation center

Dermatology

- A single descriptive observational cross-sectional study of cutaneous manifestations of systemic lupus erythematosus in tertiary care center.
- A retrospective study of clinical and histopathological spectrum of basal cell carcinoma in a tertiary care center.
- A single center cross sectional observational study of clinical and dermoscopic features of Alopecia Areata.
- A single descriptive observational cross-sectional study of the histopathological spectrum of Leprosy and its clinical duration.
- A descriptive observational study of clinical features and dermoscopic pattern of childhood psoriasis.
- A descriptive observational cross-sectional study of Cutaneous manifestations of scleroderma
- A comparative innervational prospective study of effect and recurrence rate in three treatment modalities of topical application of 50% TCA, 70% TCA and 100% TCA in clinically diagnosed cases of Xanthelasma palpebrum

- A cross-sectional study to correlate disease activity in clinically diagnosed cases of bullous pemphigoid with serum levels of autoantibodies against BP 180 and BP230.
- A descriptive observational cross-sectional study of the various deformities in the spectrum of leprosy.
- A descriptive cross sectional observational study of dermoscopy of papulonodular non-melanocytic skin tumors over face
- A descriptive single center 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.
- Skin image analysis software for diagnosis of chronic pruritic skin diseases.
- A Retrospective study of histopathological pattern observed in cases of oral lichen planus

Dentistry

- “To assess the prosthetic status and prosthetic needs in the geriatric population at a tertiary health care center in Mumbai”.
- “Oral hygiene status of leprosy affected persons residing at Ackworth Municipal Hospital for leprosy, Wadala, Mumbai”.
- “To assess the propensity of pregnant females to avoid dental treatment during pregnancy”.
- “Evaluation of authorized versus non-authorized deception in patients with dental pain after surgery for an impacted third molar”.
- “Hepatitis B vaccination status of Dentists and Dental Specialists in Maharashtra”.

Endocrinology

- Comparison between a low dose maintenance treatment with anti-thyroid drugs versus standard protocol in patients with Grave's Disease.
- Genotype-Phenotype correlation of Asian Indian patients with Pheochromocytoma & Paranglioma (PHEO & PGL)
- Genotype, Phenotype and Radiological correlation of Growth Hormone deficiency”
- Clinical and radiological characteristics of rare non-pituitary origin sellar - suprasellar masses: Single Centre experience.
- Genotype phenotype correlation in Asian Indian von Hippel-Lindau (VHL) syndrome patients with Pheochromocytoma/parangliomas
- Predictors of remission and recurrence rates after first trans-sphenoidal surgery for Cushing's disease: A single center experience from Western India
- Retrospective analysis of patients with Allgrove Syndrome from a Tertiary Care Centre in Western India
- Prospective Study of Adrenal Masses - CT Imaging Features and their histopathological co- relation
- Retrospective analysis of Endocrine manifestations of secretory ovarian tumors: Single center experience
- Sympathetic Paranglioma: A Single Center Experience from Western India.
- Long term efficacy of radiotherapy in Cushing Disease and possible interference of medical management on its effect on disease remission
- Percentage Arterial Enhancement: An Objective Index for Accurate Identification of Parathyroid Lesions in Primary Hyperparathyroidism.
- “Comparison of 68Ga-DOTANOC PET/CT and contrast enhanced CT in localization of tumors in MEN 1 syndrome”
- Predictors of Polar Vessel sign in Parathyroid Adenoma.
- Retrospective Study of triple phase CECT in the adrenal masses: Early arterial phase can make difference.
- Study of Efficacy (and its predictors) of Gonadotropin therapy in male IHH (Idiopathic Hypogonadotropic Hypogonadism) patients
- Genotype - phenotype correlation in Indian patients with 46, XY disorders of sex development (46, XYDS)
- PIONEER 6 – Cardiovascular outcomes: A trial investigating the cardiovascular safety of oral Semaglutide in subjects with type 2 diabetes. Trial ID: NN9924-4221.
- Protocol I8B-MC-ITRN: A Prospective, Randomized, Double-Blind Comparison of LY900014 to Insulin Lispro, Both in Combination with Insulin Glargine or Insulin Degludec, in Adults with Type 2 Diabetes (PRONTO-T2D)
- ICMR National Project: To formulate Registry of people with Diabetes with Young Age at the Onset in Western India
- Changing Diabetes in Children (CDIC): “Type 1 diabetes in economically underprivileged children in India.” -- EC/ Govt/08/11
- 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”.

ENT

- A Study of conventional tonsillectomy and adenoidectomy versus co-ablation assisted tonsillectomy and adenoidectomy.
- An Observational retrospective cum prospective study of Endoscopic nasal sinus surgery in pediatric age group.
- A study of post traumatic facial nerve palsy.
- Role of Fine Needle Aspiration Cytology and Magnetic Resonance Imaging in differentiating benign and malignant parotid tumors.
- Mastoid obliteration with cartilage versus musculoperiosteal flap: A comparative study
- Challenges in adult tracheostomy procedure.
- Analysis of conservative management in cases of laryngotracheal stenosis
- Navigation assisted functional endoscopic sinus surgery.
- Study of cochlear implant in patients with anomalous cochlea.
- Observational analysis of cases of spontaneous CSF rhinorrhea.
- A comparative study of conventional tympanoplasty vs endoscopic tympanoplasty.
- Applications of telebronchoscopes in foreign body removal.
- A prospective study about management of perioperative complications associated with large thyroid swelling.

Forensic Medicine

- Autopsy Based Study of Deaths Due to Motorcycle Accidents at A Tertiary Care Centre.
- Examination of Victims of Sexual Assault, A Prospective and Retrospective Study.
- Cardiac Causes of Mortality in cases of sudden death among individuals less than 40 years.

Gastroenterology (Medical)

- Validation of Nutrient drink test for evaluation of gastric accommodation in “ functional dyspepsia’
- Study of Anorectal manometry data in healthy subjects using high resolution manometry.
- Long term outcomes of patient with auto immune liver disease in tertiary care center in India: a retrospective study’
- Comparison of profile of hepatocellular carcinoma in three tertiary care referral centers’
- To study introbserval variability in the classification of defecatory disorder (DD) on high resolution manometry’
- Study the prevalence of various grades of esophagitis in India’
- Impact of portal vein thrombosis on outcome of acute on chronic liver failure’
- A study of erectile dysfunction in male Budd Chiari Syndrome (BCS) patients before and after appropriate therapy
- To find the local pattern of anti-microbial resistance among the isolates of H. pylori at KEM hospital in Mumbai
- Validation of AARC grading of liver failure as a prognostics index in Budd Chiari syndromes (BCS) patients presenting with acute in in chronic liver failure (ACIF)
- Clinical Trial on Hepatitis B Tenofovir Alafinamide HBeAg negative (Phase III)
- Clinical Trial on Hepatitis B Tenofovir Alafinamide HBeAg Positive (Phase III)
- Clinical Trial on Hepatitis C sofosbuvir+ velapavir (Phase III)
- Clinical Trial on Non-alcoholic steatohepatitis (NASH) Saragitazole

Hematology

- Thrombin generations assays for monitoring effect of bypassing agents in hemophilia with inhibitors from: National Institute of Immunohematology (ICMR),
- Immunophenotyping Telomerase activity and telomere gene mutations in aplastic anemia. From: National Institute of Immuno hematology (ICMR)
- 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.
- Clinical and laboratory profile of PNH
- A phase IV multicentre study to confirm the safety and efficacy of equine antithymocyte globulin along with cyclosporine in patients with moderate to severe aplastic anaemia.
- Establishment of Registry of Epidemiology and end result – analysis in lymphoma (REEA-L)
- low dose prophylaxis in haemophilia patients

Medicine

- Study of clinical utility of inter-arm differences in simultaneous blood pressure measurements in newly diagnosed essential hypertensive subjects.
- Study of the clinical spectrum of leptospirosis, validation of the Modified Faine's criteria as a diagnostic tool and its testing as a prognostic tool
- Estimation of the cardiovascular risk in hypertensive patients using WHO/ ISH risk prediction charts in hypertensive patients
- Study of the clinical utility of ABPM in newly diagnosed hypertensive subjects.
- Twenty-four hours blood pressure monitoring in patients of stroke using ABPM machine.
- Twenty-four hours blood pressure monitoring in patients of Chronic Kidney Disease using ABPM machine.
- Assessment of modulation of activity of Paraoxonase-1 (PON-1) by statins in patients requiring statin therapy. Department of Clinical Pharmacology
- Ongoing project on role of pulse methylprednisolone therapy in ARDS patients of malaria
- Clinical spectrum of acute encephalitis syndrome in adults of tertiary care setting of western India.

Microbiology

- Evaluation of PREVI FLUO TB method using LED microscopy for diagnosis of pulmonary TB
- Prevalence of intestinal parasites in pregnant women attending antenatal clinic.
- Prevalence of intestinal parasites in patients with chronic idiopathic urticaria.
- Prevalence of Malassezia furfur associated seborrheic dermatitis in HIV positive and negative patients.
- Risk factors and clinical outcome of patients harbouring carbapenem resistant Enterobacteriaceae in a tertiary care teaching hospital.
- Performance of LED fluorescent microscopy and Xpert MTB/RIF assay in extra-pulmonary tuberculosis.
- Incidence, bacteriological spectrum and risk factors associated with surgical site infection in total hip replacement or total knee replacement surgeries
- Prevalence of Hepatitis C virus genotypes in patients with Hepatitis C infection in a tertiary care hospital
- Rifampicin resistant TB in paediatric patients: risk factors and prevalence
- Level of environmental contamination with nosocomial pathogens with special reference to Acinetobacter in a medical intensive care unit of a tertiary care hospital
- Sensitivity & specificity of loop mediated isothermal amplification assay Nu LAMP for diagnosis of extrapulmonary TB. Biofilm forming uropathogenic E. coli and their antimicrobial susceptibility patterns
- Prevalence of symptomatic and asymptomatic bacteriuria in pregnant women attending antenatal clinic in tertiary care centre.
- Prospective study for the diagnosis and prevalence of Paediatric Autoimmune Neuropsychiatric Disorder Associated with Streptococci (PANDAS) in Mumbai Population
- Determination of MIC distribution of fosfomycin, biapenem and other antibiotics against gram negative clinical isolates: A prospective study.
- Study of secondary bacterial infections in scabies cases of Mumbai with special reference to microbiome study.
- Effect of Amrutbhallatak and Panchvalkal on biofilm production and expression of adhesion related genes of Staphylococcus spp. and Candida albicans
- Determination of disease specific epitopes to monitor disease activity in Acute Rheumatic Fever (ARF)/ Rheumatic Heart Disease (RHD)
- Pattern of anti-microbial resistance among the isolates of H. pylori in Mumbai.
- Where do we stand? Operation Theatre protocols with respect to sterilization and disinfection – a questionnaire based survey
- Challenges and solutions for implementation of 2016 biomedical waste management rules issued by MOEFCC, GOI – a survey of hospitals in Maharashtra
- Changing trends in bacterial aetiology and drug resistance pattern in a tertiary care hospital.
- Hepatitis B vaccination status amongst dentists and their approach towards Hepatitis B infected patients-A survey from Maharashtra
- Projects are being undertaken in collaboration with ICMR / NIRRH / NACO / MDACS / NARI, Pune / inter-departmental, KEMH

Neonatology

- To compare transcutaneous bilirubin with total serum bilirubin in preterm neonates receiving phototherapy
- Evaluation of CD11b, CD64, CD88, CD282 as early diagnostic markers in detection of neonatal sepsis.
- Innate Immune receptors gene polymorphisms and their role as genetic determinants of infection in neonatal sepsis
- Fluid restriction for term infants with HIE following perinatal asphyxia: a RCT
- Placental findings in singleton still births: a case control study
- Assessment of stress in mothers of babies admitted to Neonatal Intensive Care Unit and the influence of maternal and infant characteristics on the stress levels.
- Umbilical prediction of short arterial blood lactate versus umbilical arterial blood PH and base deficit in term outcomes in preterm neonates with placental insufficiency- A prospective observational study
- Use of Children's Hospital of Philadelphia (CHOP) score to predict the onset of retinopathy of prematurity in Indian preterm neonates: A prospective observational study
- Use of Kangaroo Father Care (KFC) to reduce stress levels of fathers of preterm neonates admitted in NICU: A prospective observational before-after study
- Utility of hematological indices and sepsis screen from cord blood in preterm neonates: A prospective observational study
- Real time acute procedural pain grading using PIPP, revised PIPP and NPASS in preterm neonates in NICU: an observational study
- Facility Based Newborn Care in collaboration with National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India.
- Evaluation of CD11b, CD64, CD88, CD 282 as early diagnostic markers in detection of neonatal sepsis in collaboration with National Institute of Immunohematology, ICMR, Mumbai.
- Ophthalmic evaluation of normal babies and High Risk NICU graduates in collaboration with KB Haji Bachooali Charitable Ophthalmic and ENT hospital, Mumbai.
- Genetic studies in HIV exposed, infected and uninfected infants in collaboration with Department of Infectious Diseases Biology, National Institute for Research in Reproductive Health (ICMR), Mumbai.

Nephrology

- Acute Kidney Injury: Clinical Profile and outcome
- Lupus Nephritis: Clinical Profile outcome
- Tuberculosis in transplant
- CKD prevalence in Mumbai funded by ICMR.
- Clinical profile, antibiotic susceptibility and treatment outcome in Urinary Tract Infection due to (ESBL)Extended spectrum Beta Lactamase producing bacteria.
- Darbepoetin clinical Trial: CDP/02/07 A randomized, open label, multicenter study to evaluate the efficacy and safety of Darbepoetin as compared to Erythropoietin in patients with anemia of chronic kidney disease (CKD)
- Pattern of glomerular diseases at a tertiary care Centre.
- Nutrient intake and nutritional evaluation in various stages of CKD.
- AKI in cancer patients.
- Clinical profile and outcome in Membranous nephropathy.

Neurology

- A randomized, double blind, double dummy, parallel group study comparing the efficacy and safety of ofatumumab vs teriflunomide in patients with relapsing and remitting multiple sclerosis (**PHARMA-2-2017**)
- Study MA-CT-15-003 entitled "An Open Label, Multicentre, Phase IV Study to Evaluate the Safety and Treatment Effects of Tebogan® forte (Ginkgo Biloba EGb 761®) 120 mg Tablet Twice Daily in Adult Patients with Dementia." **PHARMA 21/2016**
- "Initial experience of stroke Thrombolysis in government Hospital".
- "Cognitive profile of patients of metabolic Syndrome in Neurology at tertiary care hospital" by

Neurosurgery

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

- Completing the cadaveric bone graft study conducted along with Dr. Amay Parab, Dr. Faisal and Final year Seth G S Medical College Student Mr. Mayur Bhanarkar
- Studying the distraction and posterior fusion in bony and Soft Tissue C V junction anomalies along with Dr. Amit Mahore

Nuclear Medicine

- Validation of stomach accommodation volume with nutrient test (in collaboration with GI Medicine department and Nuclear Medicine department of TMH)
- Correlation of F-18 FDG uptake in viable myocardium with Glycosylated Hemoglobin (HbA1C) and fasting blood sugar levels in diabetic patients with ischemic heart disease.
- Role of Tc-99m RBC scan in detecting hemarthrosis in patients with haemophilic arthropathy.

Obstetrics and Gynecology

- Role intraoperative myomectomy to facilitate hysterectomy
- Comparison of paperless partogram with WHO partogram.
- Evaluation of Epidemiology, Pathology and Repair of Defects in Pelvic Floor
- Critical Analysis of Algorithmic Approach in Evaluation of Chronic Pelvic Pain
- A Comparison of Two Regimens of Nifedipine To Control Preterm Labor- A Prospective Observational Cohort Study
- A Comparison of Site-Specific and Conventional Repair of Cystocele – A Prospective Observational Cohort Study
- Effect of duration of pre - operative admission on surgical site infection in major abdominal surgeries an observational study.
- Study of prevalence and causes of infertility in patients attending infertility clinic in a tertiary care center.
- Comparison of Obstetric Outcomes with use of two Different Standard Doses of Oxytocin for Induction of Labor
- To Study the Prevalence and Assessment of Risk Factors of Stress Urinary Incontinence in Gynecology Out Patients in Tertiary Care Centre
- Observational study of various methods for second trimester MTP,
- Causes of episiotomy wound gapes.
- To study the prevalence and assessment of the risk factors of stress urinary incontinence in gynecology outpatient department in tertiary care center.
- Study of factors determining the route of hysterectomy and their correlation with decision making factors
- Clinical outcomes in women with cardiac disease with and without hypertensive disorders in pregnancy: a comparative prospective study.
- Contraceptive awareness and practices among physicians in a tertiary care institute.
- Immunogenetics of Natural Killer cell receptors in HPV infected women with or without cervical cancer
- Embryo loss due to epigenetic abnormalities in the male germ line
- Evaluation of biomarkers for early detection of cervical cancer in Indian women

Occupational Therapy

- A Comparative study of Performance Components in right and left brain damaged patients: their relation to Activities of daily living and psychosocial participation.
- Visual Perceptual retraining in patients with acquired brain injury
- Comparison between Client Centered therapy and standard exercise therapy in patients with Rheumatoid Arthritis: RCT
- Correlation of individual joint complex impairment in upper extremity musculoskeletal injury with functional ability.
- Comparison between myofascial taping and myofascial release as an adjunct to conventional treatment method in the management of dequervains tenosynovitis: A randomized control trial
- The efficacy of telemedicine in delivering occupational therapy services in an early intervention program in the age group of 1-9 months in the civil hospitals of Maharashtra.
- Effects of core muscle strengthening on occupational performance in patients with patellofemoral pain syndrome.
- The Effect of Parent's/Caregiver's Education on Reduction of "Screen time" in children between 1-2 years of age.
- Effect of cognitive training on cognition and quality of life in patients diagnosed with epilepsy
- Effect of motor skills practice in bradykinesia in patients with Parkinson's disease

- To study the effectiveness of balance training on functional independence in guillain barre's syndrome (GBS).
- To study the effectiveness of balance training exercise and PNF exercise versus only balance training exercise in patients with diabetic peripheral neuropathy
- Immediate effect of diaper change activity with individualized developmental care on preterm neonates neurobehavior.
- Effectiveness of parental education based on neurobehavioral cues and it's 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
- Executive functions and its impact on academics and behaviours in children with ADHD.
- Ayres Sensory Integration Therapy in children with ADHD: A mixed Method study
- 'CAT' (Comprehensive assessment tool) for functional assessment of the hand: A study in a metropolitan city of Maharashtra'

Ophthalmology

- Optical coherence tomographic evaluation of macula following uncomplicated cases of cataract surgery
- Study of visual outcomes in ocular trauma in paediatric age group
- Study of OCT findings in High Myopia
- Study of clinical profile of thyroid associated ophthalmopathy in Graves' disease
- Effect of intracameral adrenaline on blood pressure of hypertensive patients undergoing cataract surgery
- Pattern and prevalence of refractive errors in children aged 3-17 years in Mumbai

Orthopedics

- Prevalence of adjacent segment degeneration in cases of instrumented fusion of cervical and lumbar spine.
- Match pair analysis of Rotating Platform Design Vs Fixed bearing in TKR at 10 years follow up by Gap balancing Technique
- Posterior and Medial offset of shoulder joint
- CT morphometric analysis of AP and mediolateral diameter of medial tibial plate of Indian population in context with uni condylar knee replacement.
- Modalities of treatment of Talus Neck fractures and their functional outcome
- Functional outcome of proximal femur nailing in sub trochanteric fractures of femur
- Functional outcome in trans cervical neck of femur fracture after bipolar hemiarthroplasty
- Study of efficacy of addition of periarticular Local anesthetic injection in sequentially done Bilateral total knee replacement
- Comparative outcome between staged and sequenced procedure in bilateral total knee replacement
- Incidence of osteopenia and osteoporosis after uncemented total hip replacement
- Results of modified double row rotator cuff repair Using combination of anchor and horizontal trans-osseous Technique by nishiopew approach
- Efficacy and safety of transpedicular screw fixation by ball Point probe technique in dorso-lumbar spine
- Percutaneous release of trigger finger
- Comparison between cemented and uncemented bipolar.
- Radiological and functional outcome of fracture fixation of distal end radius
- Single stage repair of rotator cuff injury in peri-arthritis shoulder
- Pattern of drug sensitivity in TB spine
- Clinical correlation of tractography in pre-and post-operative patient of cervical and lumbar spine-degenerative disease

Pathology

- Liver biopsy changes in hepatitis B patients before and after therapy - in collaboration with Department of GI Medicine

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 pediatric 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 Pediatric age group in a tertiary care institute
- Role of propranolol in pediatric hemangioma
- Study of solid tumors in children

Pediatrics

- "Multi center double-blinded, randomized placebo-controlled study of Arimoclomol in patients diagnosed with Gaucher disease type 1 or 3" [Principal Investigator].
- Rota virus vaccine trial (in collaboration with Department of Clinical Pharmacology). Efficacy and safety of Rotavirus vaccine (Phase III) Trial) (Sponsor PATH)
- "An open label, prospective, comparative, multicenter, 2 weeks study to assess the device handling, human factors, ease of use, errors, and participant perception on the use of synchrobreathe - a breath actuate inhaler versus pressurized metered dose inhaler in healthy volunteers and in patients with Asthma or COPD" [Sponsor- Cipla-- Study No. CP/02/15].
- Of metered dose inhaler technique, adherence to therapy and reasons for non-adherence in children with asthma in a tertiary care hospital
- Pharmacokinetics-Pharmacodynamics relationship of vancomycin in children with suspected or proven gram-positive bacterial infection admitted to Paediatric intensive care unit of tertiary care hospital.
- Study of use of heated high flow nasal cannula therapy in a tertiary care unit P.I.C.U. (MUHS Fellowship in Paediatric Intensive Care Project 2016-2017).
- Therapeutic drug monitoring of levetiracetam to individualize drug therapy in patients with epilepsy. For MSc in applied biology.
- Factors affecting attainment of control and acute exacerbations in children treated for asthma.
- A prospective antibacterial utilization study in the Paediatric Intensive Care Unit of tertiary referral centre.
- 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 β Thalassemia major children and to determine the pattern of respiratory impairment in children aged 8 to 12 years and its correlation with serum ferritin level.
- Assessment of parental satisfaction regarding the care of their hospitalized children in a major public hospital.
- Case characteristics and risk factors in children with unscheduled readmissions in pediatric ward of a major public hospital.
- Study on Systemic Inflammatory Reaction syndrome.
- Study the prevalence of Diarrhea in patients on amoxycillin-clavunate and those with amoxicillin clavulunate and probiotic
- Economic burden of slow learners
- Clinicopathological analysis of coarctation of aorta in pediatric age group
- A study of convulsive status epilepticus in children in tertiary care center.
- Mucopolysaccharidosis: Delayed diagnosis, misdiagnosis and complications arising from this delay
- Etiology, clinical presentation and outcome of children presenting with acute febrile encephalopathy.

Pharmacology and Therapeutics

Ongoing projects

Academic

- Evaluation of prescription patterns, drug awareness and self-medication in patients of chronic kidney disease at a tertiary care hospital.
- Evaluation of prescription patterns, adverse drug reactions and awareness of drug treatment in patients of schizophrenia.
- Evaluation of effects of *Caesalpinia crista* on letrozole induced models of polycystic ovarian disease (PCOS).
- Evaluation of the effect of *Elettaria cardamomum* extract on resident intruder social conflict model of post-traumatic stress disorder (PTSD) in golden Syrian hamsters.
- Perception of postgraduate students in Pharmacology towards animal simulation method.
- A retrospective analysis of reports of site monitoring visits by the Institutional Ethics Committees
- Social Scientist serving Institutional Ethics committee in the State of Maharashtra: A Web-based Survey.
- AV consent process monitoring by the Institutional Ethics Committees: A retrospective analysis.
- Audit of project proposal to assess adherence to guidelines to address the issue of vulnerability.
- Ethical issues in biomedical research: An audit of research projects submitted to the ethics committee of a tertiary care hospital in Mumbai.
- Prescription audit of anti-fungal treatment of dermatophytoses in the Dermatology Out Patient Department of a tertiary care hospital.
- Observational study to evaluate prescription pattern of analgesics during perioperative period
- Evaluation of the prescription pattern of drugs in paediatric cancer patients in a tertiary care hospital: An observational study
- To evaluate the antiallergic and immunosuppressive potential of *Boerhaavia diffusa* (*B. diffusa*) in experimental animals
- Use of topical steroids in the Dermatology Outpatient Department of a tertiary Care Hospital: A Questionnaire based Study
- To evaluate neuroprotective effect of Sinomenine on β - amyloid induced amnesia in Wistar rats
- Evaluation of the protective effect of Metformin on amyloid induced amnesia in Wistar rats.
- Assessment of physiochemical properties of the *Roupya* and *Abhraka bhasmas* and evaluation of their effects on animal model of Parkinson's disease.
- Characterization of biofilm forming micro-organisms from clinical specimens and its evaluation by Ayurvedic formulations on biofilm production.
- Drugs use pattern in emergency psychiatry in a tertiary care hospital in Mumbai: a prospective observational study.
- Evaluation of learning and memory of parecoxib and its combination with antiepileptic drug in pentylenetetrazole induced kindling model in rats.
- Evaluation of the prescription pattern of drugs and adherence of physicians to NeuPSIG guidelines in treatment of cancer related neuropathic pain.
- Evaluation of protective effects of *Aegle marmelos* and *Tinospora cordifolia* on experimental model of NSAID induced enteropathy.
- Evaluation of protective effect of S-Adenosine Methionine (SAM-e) in rat model of Parkinson's disease induced by 6 hydroxy-dopamine.
- Comparison of Adherence to ARRIVE guidelines in animal research articles published in year 2009 and 2016 in Pharmacology Journals.
- Prescription audit of drugs used for migraine and evaluation of quality of life in patients with migraine.
- Evaluation of effect of *Aegle marmelos* in murine model of trinitrobenzene sulfonic acid induced colitis.
- Evaluation of effect of Montelukast in model of streptozotocin induced diabetic nephropathy in rats.
- Evaluation of antidepressant and anxiolytic effect of minocycline in alcohol abstinence induced depression model in mice.
- To evaluate anti-atherosclerotic effect of gold nanoparticulate ethanolic extract of *L. siceraria* (EELS) in hyperlipidemic diet induced atherosclerosis in mice model.
- Evaluation of *Celastrus paniculatus* and memantine on ethanol consumption and decision making in alcohol dependent c57BL6 mice.

Sponsored projects

- Evaluation of role of *Withania somnifera* and *Celastrus paniculatus* in animal models of alcohol addiction.

- Evaluation of mechanism of action of *Aegel marmolos* in DSS induced colitis model in mice.
- Evaluation of biomimetic scaffold and gel in the treatment of bone defects in rabbits.

Completed Projects

Academic

- Audit of project proposals submitted to Ethics Committee to assess measures taken to address the issue of vulnerability among research participants.
- Role of legal expert in ethics committee: A questionnaire based survey.
- Learning styles and approaches for learning among medical undergraduates.
- Implementation of structured programme for communication skills learning to promote good prescribing practices in II MBBS students.
- To Evaluate and compare the efficacy of alcoholic and aqueous extract of *Lagenaria siceraria* in high fat diet model in Wistar rats
- Prescription audit of drugs used for migraine and evaluation of quality of life in patients with migraine.
- An observational study to evaluate prescription pattern of analgesics during perioperative period.
- Evaluation of protective effect of *Paeonia emodi* Wall in rat model of Parkinson's disease induced by 6 hydroxy-dopamine.
- To evaluate the antiplatelet effect of lycopene and aspirin alone and in combination in hyperlipidaemic patients: an *in vitro* study.
- Prescription audit of anti-fungal treatment of dermatophytoses in the Dermatology Out-Patient Department of a tertiary care hospital.
- Perceptions of social scientists of ethics committee regarding their role and current practices.
- A prospective, randomized, placebo controlled, double blind, comparative study to evaluate the efficacy of *Chlorophytum borivilianum* on physical performance in response to exercise (physical stress) in healthy adults.
- To evaluate cardio-protective effect of M1 and M2 novel drugs in isoproterenol induced cardiotoxicity in rats.
- An observational study to evaluate prescription pattern of analgesics during perioperative period.
- Compliance of observational studies published in various Indian journals in last 5 years to reporting guidelines STROBE.
- Experimental study to evaluate the hepatoprotective effects of *Phyllanthus emblica* and *Tinospora cordifolia* in a mouse model of NASH, induced by methionine choline deficient diet and endotoxin.
- An observational study to determine the adverse drug reaction profile of patients suffering from haematological malignancies admitted to a tertiary care hospital.
- A study of the effect of Indian medicinal plants on fertility and maintenance of pregnancy in fertile rats and their uterotrophic effect on bilaterally ovariectomised immature rats.
- Evaluation of effect of montelukast in rotenone induced model of Parkinson's disease in rats
- Experimental study to evaluate the effect of piclamilast on animal models of spatial and fear memory.
- Experimental study to evaluate the effect of NMDA receptor antagonism on memory re-consolidation in chronic stress induced depression model in C57/BL6 mice.
- To evaluate ethanolic extract of flaxseed in gentamicin induced nephrotoxicity in Wistar rats
- Evaluation of antiplatelet activity of ethanolic extract of *Lagenaria siceraria*: An *in vitro* study.
- To evaluate cardioprotective effect of novel chalcone molecules in isoprenaline induced cardiotoxicity
- Prescription audit of tocolytics in preterm labour: Audit of project proposal to assess adherence to guidelines to address the issue of vulnerability.

Physiology

- A comparative study of hemoglobin concentration in vegetarian & non-vegetarian Indian population of aged 18 to 40 years.
- Correlation of body fat percentage with cardio metabolic risk factors in Indian adults with normal body mass index.
- Co-relation of VO_2 max and body composition in obese and non-obese young Indian population.
- A comparative study of cardiovascular autonomic reactivity in normal subjects and chronic obstructive pulmonary disease patients in a tertiary care center
- A study of different recovery positions of heart rate recovery and its comparison between physically active and sedentary males after submaximal exercise.
- "Effect of Isometric Hand Grip Exercise on cardiovascular Responses in Normal Weight and Overweight Indian Population Aged 18 to 35 years."

- “A study of the effects of food group frequency and physical activity on various anthropometric indices in elementary school children”.
- “A Study of association of Levels of Physical Activity with Metabolic Syndrome in 25-45 years Age Group Indian Allopathic Male Doctors”.
- “Assessment of autonomic nervous system in obese and non-obese young Indian population: Role of non-invasive test.”
- “Effect of chemical exposure during Hospital laboratory work on pulmonary functions of healthy working women.”
- “Effect of Background Music on the Reaction time in Healthy Individuals”.
- “Effects of case based study in first year MBBS students in Physiology”, under FAIMER Fellowship.

Physiotherapy

Musculoskeletal Physiotherapy

- Correlation of forward head posture with static and dynamic scapular mechanics in shoulder impingement.
- Assessment of joint position sense before and after total knee replacement in patients with primary osteoarthritis of the knee-a pilot studies.
- Clinical evaluation of balance in adults with traumatic brachial plexus injury.
- Effect of downward rotation of Scapula on cervical range of motion in patients with neck pain.
- Correlation of self-efficacy and physical functioning in patients with knee osteoarthritis.
- A study of implicit motor imagery in patients with unilateral complex hand injuries – A pilot study.
- Correlation of pain with craniovertebral angle and disability in subjects with nonspecific neck pain.
- Immediate effect of myofascial release of iliotibial band and kinesiotapping of vastus medialis obliquus muscle in patients with unilateral osteoarthritis of knee.
- Correlation of disability due to chronic neck pain with anxiety and depression.
- Comparison of Q angle, tibial torsion and arch index in affected and unaffected unilateral osteoarthritis knee patients.
- Correlation of craniovertebral angle with dynamic balance in elderly subjects
- Assessment of hip muscle imbalance and five times sit to stand test time in subjects with nonspecific 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 elderly post-operative phase in subjects with unilateral TKA

Neuro Physiotherapy

- Effect of Quadriceps muscle fatigue on single leg stance.
- Effect of gripping a cane on functional reach test in elderly.
- Effect of random, block and mixed practice order on motor learning in subjects with Parkinson's disease.
- Effect of eye head coordination exercises on balance in subjects with Parkinson's disease – a pilot study.
- Effect of bronchial hygiene related parental education on stress in parents of with cerebral palsy.
- Correlation of working memory with estimation of postural limits in elderly.
- Correlation of cognition and fall risk in elderly.
- Correlation of craniovertebral angle with dynamic balance in elderly subjects.
- Correlation of difference in quadriceps angle between supine and standing position with Foot Posture Index in children with cerebral palsy
- Short term effects of kinesiotaping on sitting balance of children with cerebral palsy
- Correlation between perceived stress and dual tasking ability in young individuals
- Comparison of electrical sensory threshold between paretic and non-paretic hands in subjects with unilateral stroke.
- 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

Cardiorespiratory Physiotherapy

- Comparison of change in Heart rate and Oxygen saturation following positioning of ventilated GBS patients by therapist V/S caretaker.

- The agreement between measure of estimated maximal Oxygen consumption (VO₂ Max) using 6 MWT and non-exercise equation in Physiotherapy students.
- Comparing Blood pressure response to sitting with legs crossed at knee level and standard method in Hypertensive and normotensive individuals.
- Comparison of Spirometric pulmonary functions in subjects with apple and pear-shaped fat distribution.
- Effect of stretching Pectoralis Major with Proprioceptive Neuromuscular Facilitation technique on chest expansion and PEFR in patients with COPD.
- Effect of different body position on PEFR in patients with COPD.
- Haemodynamic response to 30% and 50% of maximal voluntary isometric contraction in individual with active and sedentary lifestyle- a comparative study.
- Exercise capacity quality of life and social participation in patients with post pulmonary tuberculosis sequelae.
- Cardiorespiratory responses to time up and go test in patients with chronic respiratory diseases.
- Comparison of peak expiratory flow rate in obese and non-obese women.
- Comparison of rate pressure product in obese and non-obese women.
- Comparison of rate pressure product response to 6-minute walk in obese and non-obese women.
- Patient perceived barriers to cardiac rehabilitation.
- Effect of inspiratory muscle training on weaning from mechanical ventilator in GBS - RCT
- Comparison of manual vs. instrument assisted soft tissue mobilisation of levator scapulae in chronic neck pain
- Musculoskeletal pain syndrome in type-II DM – a cross sectional study
- Effectiveness of peer-led approach to case based learning in physiotherapy education with respect to composition of groups.

Plastic Surgery

- Measurement of two-point discrimination in hands in adult Indian individuals
- Clinical outcomes and quality of life, patient satisfaction and aesthetic results in reduction mammoplasty
- Quality of life in paediatric burn survivors
- Effectiveness of mcindoe vaginoplasty

Psychiatry

- Analysis of Sibling Relations in Children with Attention Deficit Hyperactivity Disorder”
- A Survey on Medical Residents Knowledge, Comfort and Training with Sexual History Taking
- Analysis of sibling relations in children with Attention Deficit Hyperactivity Disorder Study of Social Functioning in Patients with Bipolar Disorder in Remission
- A study on socio-cultural aspects of alcoholism
- A comparative study of personality profile and enabling behaviour in depressed Vs non-depressed wives of alcoholics
- “Gender differences in patient with schizophrenia in terms of clinical profile, socio-occupational functioning and care giver burden”
- “A study of quality of life, psychiatric morbidity and coping skills in care givers of Thalassaemia major patients “
- “A prospective study of psychopathology, quality of life and perceived stress in patients with gastro-oesophageal reflux and dyspepsia.”
- “A study of postpartum depression- risk factors and infant bonding”
- A study on depression, anxiety, eating habits, self-esteem and body image concern in patients of PCOD
- ‘A study of non-communicable disease in chronic mental illness’
- A Cross Sectional Study of Depression, Sleep Quality and Body Image Disturbances in Pregnant Women
- To Study Quality of Life in Patients of Recurrent Depression and Their Spouses: Analysis of Dyadic Effects.
- Study Depression, Sleep Patterns and Life Satisfaction in Patients Coming to Geriatric OPD In Tertiary Care Center”
- Study of Perceived Stress, Self-esteem, Coping skills, Body image disturbance and Suicidal tendencies in patients of Acne Vulgaris

Surgical Gastroenterology

- Study of Functional and Morphological Changes in Liver in Operated Cases of Obstructive Jaundice
- Factors Predicting Malignancy in Chronic Pancreatitis with Head Mass.

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

Transfusion Medicine

- Project in collaboration with NIIH. “Molecular genotyping of clinically significant (Rh, Duffy, Kell & Kidd) blood group antigen in donors & Multi-transfused patients.”
- Comparison of labile coagulation factors and factor X activity, and fibrinogen level in 24-hour frozen plasma and fresh frozen plasma
- Evaluation of total and IgG ABO antibody titres in blood donors
- A Study of Clinical & Serological Correlation of Positive Direct Antiglobulin test in blood bank at a Tertiary Care Centre
- A prospective study on Apheresis Platelets: To analyse factors influencing Platelet-Pheresis yields and post-transfusion platelet recovery
- An audit of red cell transfusions in paediatric patients in tertiary care hospital

Urology

- Predicting treatment options in patients with LUTS and hernia using urodynamic studies.
- Factors affecting outcomes of AV fistula.
- Factors affecting outcomes of staged urethroplasty surgery
- “Prevalence of Lower urinary tract symptoms and post void residue in ambulatory adult above 45 years of age.”
- “Mutations in carcinoma bladder- A Pilot Study.”
- “An Observational study to speculate nomograms of uroflowmetry in paediatric healthy population and correlate the same with physical examination parameters.”
- “Prospective study to identify the calibre of external urethral meatus in average Indian male population.”
- “A study to assess the factors affecting posterior urethral valves and their outcome and role of intervention in management of posterior urethral valves.”
- “Assessment of aetiology and factors affecting management of complex vesico-vaginal fistula.”
- “Use of ileum in management of complex urethral strictures – assessment of aetiology and its impact on renal function.”
- “A cohort study to determine the prevalence of fluoroquinolone antibiotic resistance in rectal flora, the prevalence of ST 131E. Coli strain amongst these resistant samples and post biopsy infection complications in patients to be posted for trans-rectal ultrasound guided prostatic biopsy at a tertiary care institute.”
- “Pilot study to determine outcomes of implementation of enhanced recovery after surgery (ERAS) protocol in cases of radical cystectomy and Ileal conduit for carcinoma bladder in a tertiary care setup.”
- “A study to compare the size of external urethral meatus in premenopausal and postmenopausal women and the treatment outcomes of urethral dilatations in females having obstructive voiding symptoms.”
- “A study to review diet and metabolic parameters in patients with urinary tract calculi.”
- “A study to review chemical profile, diagnosis and management of emphysematous pyelonephritis.”
- “Outcome of dorsal on lay buccal mucosal graft urethroplasty in female urethral stricture disease.”
- “A study to assess factors promoting superadded calculi over retained ureteral stents.”
- “Comparison of length and volume as a parameter for assessing semen analysis among patient- infertility in Indian context and comparison with healthy controls.”
- “Correlation of raised serum prostate specific antigen (greater than 2.5) with incidence of prostatic adenocarcinoma in Indian population.”
- “Prevalence of stone disease in patient with chronic kidney disease and impact of chronic kidney disease in stone management.”

In the Limelight

In the Limelight

Cardiology


- The Dept. of Cardiology at KEM hospital became one of the first civil run hospitals in the state to acquire Optical Coherence Technology (OCT) system, a modern cutting edge technology promising to enhance accuracy of percutaneous coronary intervention.
- Dr. P G Kerkar was confirmed as the organizing secretary of the prestigious national conference of the Cardiological Society of India to be held in Mumbai, 2018.
- Dr P G Kerkar continued to serve as chairman of board of studies(Superspeciality) of Maharashtra University of Health Sciences(MUHS), Nashik.

Chest Medicine

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THE TIMES OF INDIA

'More cough cases where SPM is high'

TNN | Jun 5, 2017, 01:56 AM IST



MUMBAI: The city's more polluted pockets register more instances of coughing, wheezing or breathlessness as well as hard-to-treat fungal or bacterial infections, says a study by KEM Hospital's doctors, firmly linking increasing levels of suspended particulate matter (SPM) in the air to worsening human health.

The study found that cough was a bigger complaint in areas with higher SPM, a major pollutant linked to vehicular emission, construction activity, etc. "At 10.6% and 40.6%, cases of coughing in areas with SPM levels of 200-400 and over 500, respectively, were significantly more compared to 6.9% cases with the SPM level under 200," said the study, which looked at 1,006 people living within a 1-km radius of six air monitoring stations (see box). Chronic coughing, wheezing and breathlessness are symptomatic of asthma.

Dr Amita Athavale, the main researcher of the study published in the latest edition of JAPI (Journal of Association of Physicians of India), found that Maravali, an old settlement in Chembur East, has the highest SPM levels and the maximum respiratory morbidity. "Borivli, where air quality was well within normal limits, had the lowest respiratory morbidity," the report said.

If areas with low SPM levels saw only 2.8% of the total wheezing cases, the number was eight times higher in areas with SPM levels between 400 and 500. It was the same with complaints of breathlessness.

These findings are significant because chronic coughing, wheezing and breathlessness are symptomatic of asthma, an airways

<https://timesofindia.indiatimes.com/city/mumbai/more-cough-cases-where-spm-is-high/articleshowprint5900616.cms>

DNA HOME INDIA WORLD BUSINESS TECH SPORTS ENTERTAINMENT PHOTOS VIDEOS

TRENDING# Gujarat elections 2017 Bigg Boss 11 Amit Shah Narendra Modi Rahul Gandhi

Global Burden of Disease study: Here are the top 10 killers in India

Meanwhile in Mumbai, Dr Amita Athavale, head of department, respiratory medicine at King Edward Memorial Hospital, is planning a long-term research on COPD exacerbation cases in rural areas. "It is largely caused due to indoor air pollution... in village kitchens, due to burning of biomass," said Dr Athavale.

Human lungs have a holding capacity of 3.5 litres. After 30 years of age, it declines by 10-30 ml per year, if a person does not exercise. In COPD patients, it declines faster, almost 100 ml per year. "The lungs enlarge, they lose elasticity, remain ballooned and oxygen holding capacity drops. Oxygen is heart fuel. The organ has to work more. This causes heart failures in COPD patients," said Dr Athavale.

Dr Athavale saw three women with COPD, who had come from Uttar Pradesh and Bihar, in her Mumbai clinic. "They said that they have now received LPG connection under the Pradhan Mantri Ujjwala Yojana. We get about 1,000 indoor admissions for COPD every year. We are collecting data for a longitudinal study to see if mass shift to LPG usage will reduce COPD cases. Three patients is too less a number to conduct a study, but it is a start," she said.

Top 10 killers in India

DNMUM399076 | 10/22/2017 | Author : Maitri Porecha | WC :2541 | Health

The latest Global Burden of Disease study lists ailments that are triggering most deaths and disabilities in India. DNA examines what all has changed over the past decades, and underlines that the government must scale up preventive and clinical services to reduce health risks crippling vast chunks of the population

DNA THE STORY

The Global Burden of Disease study, released last month, provides shocking insights into what is causing deaths and disabilities among people — as many as 328 diseases in 195 countries continue to kill and cripple. India, one of the most populous nations, figures starkly in the study, which also measures injuries and risk factors. The top 10 killers in India range from Ischemic Heart Disease (IHD), or a simple heart attack, to tuberculosis.

If India has to realistically move towards achieving the World Health Organisation (WHO)-recommended Universal Health Coverage (UHC) guidelines, it will have to provide much better preventive, clinical and financial services to reduce the number of deaths and disabilities.

1 Ischemic Heart Disease (IHD) causes 17.8% of all deaths

Heart attacks killed more people in India than any other cause in 2005, and it remained the biggest killer in 2016. It has been a decade since the disturbing trend of heart attacks striking people below 40 started in India. The Outpatient Department (OPD) in Gurugram's Medanta, one of India's largest private hospitals, is teeming with patients. Dr Ravi Kasiwal's clinic is busy as ever. He heads the clinical and preventive cardiology departments there. Only a few weeks ago, a 28-year-old man showed up in the emergency department, complaining of a shooting pain in his chest. It was a heart attack. "His major artery was 100 per cent blocked. The heart attack must have taken place a few hours ago that day, but the thickening of the artery happens over 7-10 years. He had started smoking 12 years ago, and had up to 15 cigarettes a day," Dr Kasiwal told DNA.

One in four patients that Dr Kasiwal examines has a blocked heart artery, and up to 30 per cent of this patient group is young. "Diabetes and high blood pressure ring alarm bells for impending heart attacks, and these warning signs should not be ignored. Smoking, physical inactivity and psycho-social stress will inevitably lead to a heart attack," he said.

2 Chronic Obstructive Pulmonary Disease (COPD) causes 8.66% of all deaths

Last week, 77-year-old Ramswaroop Goyal of Delhi's Bholi Nagar came heaving to the OPD of Dr Randeep Guleria, a pulmonologist and director of All India Institute of Medical Sciences (AIIMS). Goyal has had difficulty in breathing over the past decade. But a few days ago, it got exacerbated, largely due to Delhi's worsening air quality. "He suffers from COPD of the lungs. It leads to the weakening of lung capacity. He is largely bed-ridden and requires intermittent oxygen support to breathe," said his son Banshi Dhar, as Goyal looked on from behind a mask that was releasing steroid gases into his lungs to help him widen his airway, and ease breathing.

Meanwhile in Mumbai, Dr Amita Athavale, head of department, respiratory medicine at King Edward Memorial Hospital, is planning a long-term research on COPD exacerbation cases in rural areas. "It is largely caused due to indoor air pollution... in village kitchens, due to burning of biomass," said Dr Athavale.

Human lungs have a holding capacity of 3.5 litres. After 30 years of age, it declines by 10-30 ml per year, if a person does not exercise. In COPD patients, it declines faster, almost 100 ml per year. "The lungs enlarge, they lose elasticity, remain ballooned and oxygen holding capacity drops. Oxygen is heart fuel. The organ has to work more. This causes heart failures in COPD patients," said Dr Athavale.

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Clinical Pharmacology

Clinical research in India not in sync with healthcare needs: Study

Rupali Mukherjee
@timesgroup.com

Mumbai: Clinical research conducted in India is not in consonance with the country's disease burden and healthcare needs, an audit of Clinical Trials Registry has revealed. Disease burden is the impact of a health problem as measured by its financial cost, mortality or morbidity. It is often quantified in terms of disability-adjusted life years (DALYs), which quantify the number of years lost due to a disease. The largest number of clinical trials (16.4%) conducted in India were in cancer, an ailment which ranked way down on the disease burden list. While infectious diseases which topped the country's disease burden, accounted for only 5% of the total trials and ranked 7th on the list, an analysis published in scientific journal, Perspectives in Clinical Research says.

A large number of trials on non-communicable diseases leads to a conclusion that though India is possibly contributing to global research, it may not be relevant for its po-

NEED FOR BETTER BALANCE?

Therapeutic area	Number of trials (in %)	Rank Based on Disease burden (DALYs*)
Cancer	546 (16.4)	6
Cardiovascular diseases	336 (10.1)	2
Diabetes mellitus	401 (12.1)	13
Digestive diseases	279 (8.4)	8
Endocrine, blood, and immune disorders	129 (4)	14
Genitourinary diseases	185 (5.6)	12
Infectious and parasitic diseases	198 (5.4)	1

(* DALYs - Disability-adjusted life-years) *Distribution of trials registered from 2007 to 2015 in Clinical Trials Registry of India

pulation. The disparity between trials and disease burden, may impact pharmaceutical research and development of essential drugs.

The study evaluated trials registered in Clinical Trials Registry of India (CTRI) from 2007 to 2015, and compared them with the disease burden. The study by Mansi Chaturvedi, Nithya J Gogtay and Urmila M Thatte of Mumbai-based Seth GS Medical College and KEM Hospital found the largest number of trials was in cancer (16.4%), followed by diabetes (12.1%) and cardiovascular diseases (10.1%). Infectious

and parasitic diseases had the highest DALYs (82,681) and ranked first in disease burden but was 7th, according to number of trials.

"The study depicts that India is conducting more trials on lifestyle-related disorders, while the major disease burden is still contributed by infectious diseases. We need relevant academic trials in medical colleges and research institutions, and not the company-sponsored ones which may not meet the objective", Dr Thatte, the study's co-author told TOI.

During the period, a total of 6,474 studies were registe-

red, of which 3,325 (51.4%) were clinical trials. Maharashtra had the highest number trials (16.4%), followed by Karnataka (11.6%) and Tamil Nadu (10%). Populous states like UP (5.3%) and Bihar (1.4%) had far fewer trials. Strengthening the capacity for conducting trials in the populous states and the north-eastern parts is necessary to allow a more equitable selection of participants, it adds.

"Much larger research budget and efforts should be devoted to communicable diseases, according to present estimates of disability and mortality. On the other hand, research priorities according to projected estimate of diseases in next 10 years (heart disease, diabetes, stroke are poised to overshadow infections and anemia soon), must also be fixed. Finally, emerging threats to health (pesticide contamination, pollution) should be given due place in research agenda", says Dr Anoop Misra, chairman of Delhi-based Fortis Centre of Excellence For Diabetes, Metabolic diseases and Endocrinology.

सिरदर्द सहित हो सकती हैं कई तरह की समस्याएं

तनाव से दांतों पर भी पड़ता है असर

एनबीटी: आप तनाव के खतरनाक और जानलेवा दुष्प्रभावों से तो बेचकित होचें ही, लेकिन आपको यह भी मालूम होना चाहिए कि तनाव से दांत किंटकिंटाने या दांत चबाने की आदत भी पड़ सकती है, जिसके बारे में अधिकतर लोगों को पता ही नहीं होता। इस आदत का मामूलीका आपके दांतों को भूगताग बढ़ सकता है। दांत किंटकिंटाने की आदत अधिकतर तनाव के चलते होती है। यह आदत भले ही जानलेवा न हो, लेकिन इससे कई तरह की समस्याएं उत्पन्न हो सकती हैं, जैसे दांतों, सिर और चेहरे संबंधित दावों का प्रभावित होना, दांतों का टूटना। आज जल्दो है इसके दुष्प्रभाव और बचाव के तरीके।



सिर और कान में हो सकता है दर्द: कुछ लोग कत से कतर के शुरुआती एक घंटे में 40 मिनट तक दांत किंटकिंटाने हैं। ऐसे करने से दांतों की बाहरी सख ड्रेमल के निरुत्तने का खतरा रहता है और दांत टूट भी सकते हैं। ऐसे में दांत, जबड़े, कानों में दर्द हो सकता है और यही तक कि सिरदर्द भी हो सकता है। मंस पैशियों पर ताकतवर दबाव पड़ने के कारण चेहरा चौकड़ दिखने लगता है। यह समस्या कम उम्र के बच्चों में भी हो सकती है। हो सकती है गंभीर समस्या : दांत किंटकिंटाना सुनने कानों के लिए चिह्नबिहात पैदा करने कात विषय हो सकता है और मरीज के लिए शर्मिंदगी का विषय हो सकता है। लेकिन इससे होने वाली समस्याएं बाई भी हो सकती हैं और ऐस भी जल्दी नहीं कि सभी समस्याएं दूधों से संबंधी हो। यह सामान्य एडिनिशेसियल नर्स को भी प्रभावित कर सकती है। यह एक ऐसे परिस्थिति है, जो हमारे अवयव अवस्था में होती है इसलिए हमें इसका फल भी नती फल फल।



बचाव के तरीके

- **आराम से और अच्छी नींद लें और खाने में मसालों का कम उपयोग करें।**
- **डेंटिस्ट के पास जाएं और नाइट गार्ड आवलुगजल स्पलिनट का प्रयोग करें।**
- **सोने से पहले तनाव से मुक्त होने का प्रयास करें।**

बहुत अधिक तनाव के कारण रात को सोते वकत दांत किंटकिंटाने की समस्या लोगों में हो सकती है। इसके अलावा जबड़ों के बीच का टी.एम. ज्वाइंट भी इससे प्रभावित हो सकता है। डॉ. नंदा पाई, विभागाध्यक्ष, दांत विभाग केईएम हॉस्पिटल

- Dr MY Nadkar, Talk on Doordarshan TV on Arthritis

- DR Kiran Ahire -Talk on monsoon illnesses in DD Sahyadri TV SHOW
- Dr Vandana Mali- Talk on “COPD” at DD Sahyadri show on 16th November 2017.
- Talk on “ Swine flu “ on Sakhi Sahyadri talk show on DD Sahyadri channel on 20-07-2017

Neonatology

**केईएम रुग्णालयातील
डॉ.रुची नानावटी यांचा गौरव
पालिकेकडून 'महिन्याचा मानकरी सन्मान'**



प्रतिनिधी, मुंबई

नवजात शिशू शास्त्र विभागातील उल्लेखनीय कामगिरीसाठी केईएम रुग्णालयातील डॉ. रुची नानावटी यांना महानगरपालिकेकडून 'ऑफिसर ऑफ द मंथ' या पुरस्काराने गौरवण्यात आले. पालिका प्रशासनात उल्लेखनीय काम करणाऱ्यांना 'महिन्याचा मानकरी' (ऑफिसर ऑफ द मंथ) निवडून त्यांचा सन्मान केला जातो.

वैद्यकीय सेवेच्या दृष्टीने नवजात शिशूंचा वैद्यकीय उपचार करणे, ही जटील बाब मानली जाते. केईएममध्ये नवजात शिशूसाठी नुकताच अतिदक्षता कक्ष अद्ययावत करण्यात आला. ४२ खाटांच्या या अतिदक्षता कक्षासाठी सामाजिक उत्तरदायित्व निधीतून ३ कोटी ७२ लाख रुपयांचा निधी प्राप्त करणे व त्याचा सुयोग्य वापर करून कक्ष अद्ययावत करण्यात डॉ. नानावटी यांनी महत्त्वाची भूमिका बजावली.

डॉ. रुची नानावटी यांचे शालेय शिक्षण दादर येथील बालमोहन विद्यामंदिरमध्ये झाले. त्यांनी महापालिकेच्या टोपीवाला वैद्यकीय महाविद्यालयातून बालरोग चिकित्सा विषयात पदव्युत्तर पदवी संपादन केली. गेली २७ वर्षे त्या पालिकेच्या रुग्णालयांमध्ये सेवा देत आहेत.

वृहन्मुंबई महानगरपालिका

॥प्रमाणपत्र॥

श्री./ श्रीमती **डॉ. रुची नानावटी**, विभाग प्रमुख, नवजातशिशु शास्त्र विभाग
खाते / विभाग / कक्ष रा.ए.स्मा रुग्णालय/सेठ मो.सुं. वैद्यकीय महाविद्यालय
यांनी केलेल्या उत्कृष्ट कार्याबद्दल त्यांना माहे **जानेवारी २०१७** साठी
महिन्याचे मानकरी (Officer of the Month) म्हणून गौरविण्यात येत आहे.

मुंबई, दि. ५ जानेवारी २०१७

अजीय मेहता
महापालिका आयुक्त
वृहन्मुंबई महानगरपालिका

Pharmacology & Therapeutics

- Dr Firoz Tadavi participated in “Relay singing by 327 participants” for Guinness World Records at CIDCO Exhibition Auditorium Vashi on 16th August 2017. The song was from the upcoming Marathi movie “ Dr. Tatyah Lahane --- Angaar - Power is within”
- Dr Firoz Tadavi was awarded “Best Batsman of the tournament” in GSPL- 2017
- Winning team of Pharmacology Zonal Quiz 2017 photo



Psychiatry



शिवडी : बुद्धिमापन आणि प्रश्नमंजुषा या आंतरशालेय स्पर्धेमध्ये विजयी झालेले स्पर्धक.

जिद्द ठेवल्यास यश नक्की

डॉ. शुभांगी पारकर यांचे प्रतिपादन

शिवडी, ता. २१ (वातमीदार)
: मुलांनी आपल्या कामात नेहमीच सातत्य ठेवावे. प्रयत्नाला जिद्द व चिकाटीची जोड दिल्यास यश मिळवणे सोपे जाते, असे प्रतिपादन डॉ. शुभांगी पारकर यांनी केले. स्वातंत्र्यसैनिक व माजी नगरसेवक लक्ष्मण जाधव यांच्या स्मृतिप्रार्थने मुंबई मराठी ग्रंथसंग्रहालय व परिवर्तन यांच्यातर्फे आंतरशालेय स्पर्धेचा पारितोषिक वितरण कार्यक्रम रविवारी दादर-पूर्वमधील मराठी ग्रंथसंग्रहालयाच्या सभागृहात झाला.

या विषयावर मार्गदर्शन करताना डॉ. पारकर म्हणाल्या की, सुंदर आयुष्य जगण्यासाठी चांगली बुद्धिमत्ता असायला हवी; पण ती प्रत्येकाकडे असेलच, असे नाही. या स्पर्धात्मक युगात जगताना आपण ठरविलेल्या कामात सातत्य व चिकाटी ठिकवून ठेवल्यास यश मिळते. त्यामुळे स्पर्धांना न घाबरता आपली बुद्धिमत्ता व मानसिक तयारी ठेवून प्रयत्नशील राहणे गरजेचे आहे. त्याचबरोबर आज वाचनसंस्कृती वाढविण्यासाठी सर्वांनी

Surgical Gastroenterology

- Performed five successful liver transplants

Transfusion medicine

- Dept. of Transfusion Medicine has been selected as the Apex Training Centre for Western and Central Zone (Maharashtra, Gujrat, M.P. Goa, Rajasthan) for training all the Blood Bank officers, Technicians and Nurses by NACO, Ministry of Health & Family Welfare, Govt. of India, New Delhi.
- Dr. Swarupa Bhagwat delivered a talk on "Voluntary blood donation" in Sakhi Sahyadri Programme by Doordarshan Sahyadri channel on 14/06/2017.

Urology

Recognition of any activity / service/Appointments

1. Dr. Sujata Patwardhan appointed as Advisor in State Advisor Committee, Mumbai (DHS).
2. Member of committee for ROTTO (Regional Organ And Tissue Transplantation Organisation) & SOTTO (State Organ And Tissue Transplantation Organization) at DGHS, Delhi.
3. Started the office for ROTTO SOTTO with all the government processes and handed over the office to director ROTTO SOTTO in November

Seth GS Medical College & KEM hospital mentioned in the lay press in 2017



Financing organ transplant still a patient's headache across India

'Hospitals Can Be Told To Subsidise Some Operations'

TEAM TOI

Mumbai: Liver transplants are no longer so rare in India that they should make news, but there was a special aspect to the transplant operations that the Sardesai's underwent in Apollo Hospital in Navi Mumbai, recently. The bill for the two operations—removing a portion of 38-year-old mother Bhavna Sardesai's liver and transplanting it into seven-year-old Mayuresh—was around Rs 12 lakh, almost half of the price in most other hospitals in and around Mumbai.

"This was on the lower side because it was essentially a paediatric liver transplant, but the cost of adult transplants could climb to Rs 16 to Rs 19

lakh, but the fact is that in most countries, financing a transplant is the government's headache. The main exceptions to this rule are the United States and India, said Chennai-based urologist Dr Sunil Shroff who founded NGQ Mohan Foundation to spread awareness about transplants. For most Indians—a clear majority at over 70%—who pay for healthcare from their own pocket, financing expensive transplants is just another sad reality.

Dr Shroff said while it would be most prudent for the government to focus on prevention of organ failures, there have been a few welcome steps taken in this direction. In recent times, a handful of the state governments have started health insurance schemes that finance certain transplants, he added.

Tamil Nadu, for instance, runs the most successful programme in the country offering free kidney, liver and heart transplants in government hospitals like several developed nations. State health minister C Vijay Baskar told TOI, "More than 1.5 crore families are covered under the health insurance scheme. Under the scheme, 384 transplants costing Rs 548.38 crore have been approved." The state has also created a corpus of Rs 35 crore for cases where the cost of surgery exceeds the insurance cover of Rs 1.5 lakh.

Goa is another state where transplants are financed by the government. Karnataka and Andhra Pradesh provide health insurance for certain class of patients. As per Maharashtra's Rajiv Gandhi Jeevandayee Arogya Yojana, economically backward patients get a special allocation of Rs 3.9 lakh, which also includes Rs 90,000 for immunosuppressant; the scheme may be extended to liver transplants too.

The Kerala government operates 'Karunya Benevolent Fund' that provides financial aid for poor people suffering from serious ailments of the kidney and the

KIDNEY TRANSPLANT CLAIMS



HOW MUCH IT COSTS

Kidney transplant in a private hospital could cost anything between ₹5-8 lakh. Under the RGJAY scheme, hospitals have to perform the surgery within a fixed cap of ₹3 lakh, while another ₹90,000 is allocated for the patient's immunosuppressant regime that is imperative to avoid organ rejection.

heart by raising funds through Kerala Lottery.

But these schemes benefit too few to make a huge difference. Moreover, the incidence of organ failure is rising across the country; two lakh cases of kidney failure are added to the existing patient pool in India every year.

While liver transplant surgeon Dr Sanjay Nagral wrote about the affordability of live transplants in an article titled 'Liver Transplantation in India: At the Crossroads', which appeared in the Journal of Clinical and Experimental Hepatology, his recommendations could well extend to the entire transplant sector.

"A few public sector hospitals have been able to set up small liver transplant programs but their numbers are currently very limited as the centers have not been able to sustain the activity. Increased public sector hospital involvement can also lead to significant contribution to increase the donor pool for donation after brain death (DBD). The other way for access to improve is third party insurance cover—both in the form of individual and state sponsored mass insurance schemes. Currently, individual insurance policies do not are not adequate to cover live transplant," he wrote.

The doctor said that while political will and interest the state could actually mandate that public institutions perform liver transplant. "They can create and nurture liver transplant program in selected large public teaching hospitals. Beyond money, there is also a certain prestige and a sense of accomplishment associated with the performance of such a procedure and such an atmosphere needs to be fostered. Finally, the state can also ensure that the private sector performs some procedures as a subsidy," he further wrote.

Dr Shroff of Mohan Foundation said that the state governments could also pursue public-private partnerships to finance transplant. "Hospitals could also be told to help finance or subsidise up to 10% of their total transplants that they perform in year."

But Maharashtra sets an example

Data collated by Maharashtra's Directorate of Health Services (DHS) reveals that 75% of kidney transplants that were performed in the city under the Rajiv Gandhi Jeevandayee Arogya Yojana (RGJAY) over the last four years were carried out by the public hospitals. **TNN**

lakh," said Apollo Mumbai chief Dr Narendra Trivedi. In a city where the average cost of liver transplant hovers between Rs 25 and 30 lakh, these figures seem to be a bright spot.

Barely 28km from Apollo is Maharashtra's best teaching school at KEM Hospital, Parel. A liver transplant here never costs more than Rs 6 lakh. "We only do cadaveric liver transplant (in which the donor is unrelated and brain-dead). The last transplant cost around Rs 3.5 lakh, but costs go up due to complications," said KEM Hospital dean Dr Avinash Supe.

Transplants are one of the most expensive medical interventions, with heart transplants costing almost Rs 25 lakh. Examples like KEM are clearly an excep-

CALL TO ACTION

Times Organ Donation Drive, an initiative by The Times of India, is being presented in partnership with Kokilaben Dhirubhai Ambani Hospital, Mumbai to create public awareness and inspire readers to pledge their organs

Kokilaben Dhirubhai Ambani Hospital & medical research institute presents Every Life Matters

TIMES ORGAN DONATION DRIVE 13TH AUGUST

An initiative by THE TIMES OF INDIA

To sign up as an organ donor, log on to www.organdonationday.in

Once registered, you will receive a donor card. You can also download the e-donor card from the website

To show your support, give a missed call on

8080055555

NGO Partners

MOHAN

NGO

Gift organ



DONOR METER

1,30,903

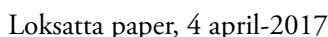


Donors registered online as part of TOI's initiative

Bella Jaisinghani
@timesgroup.com

June 2017
Times of India

गोधूलमधुसूत भजनांमुने आवाजाची पलट्टी १०० टॅसीसल्वर पोहोचते, असे 'आवाज'च्या मॉडेलिंगानात स्पष्ट झाले आहे.



श्रीडी तंत्रज्ञानाच्या सहाय्याने ६२ वर्षीय महिलेला बसवला जबडा

केईएममध्ये
तोंडातून
काढला
८ सेंमीचा
ट्युमर



मुंबई, दि. २२ (प्रतिनिधी) - रत्नागिरीतील रहिवासी असलेल्या सुजाता मोरे यांच्या तोंडात ट्युमर काढला. अन्य कोणत्याही रुग्णालयात नकार दिल्या असताना केईएम रुग्णालयात हा जवळपास ट्युमर काढण्यात यश आले आहे. ट्युमर काढताना विस्थापित झालेल्या जबडा श्रीडी तंत्रज्ञानाने पुन्हा तयार करून बसविण्यात आला. सरकारी व महापालिका रुग्णालयांत असत तंत्रज्ञानाने पहिल्यांदाच यश पटलेल्या या शस्त्रक्रियेमुळे ६२ वर्षीय सुजाता मोरे यांना नवजीवन लाभले.

सुजाता मोरे यांना कित्येक वर्षांपासून तोंडामध्ये काही तरी टीचतेच असे वाटू लागले होते. यामुळे त्यांचा काही खाणेही कठीण झाले होते. अनेक ठिकाणी रुग्णवल्यानंतर केईएम रुग्णालयात या महिलेवर शस्त्रक्रिया करण्याचा निर्णय घेण्यात आला. त्यानुसार ईएनटी विभागप्रमुख डॉ. नीलम साठे यांनी शस्त्रक्रिया करण्याचा निर्णय घेतला. तोंडाच्या दर्शनीय भागात असलेला हा ट्युमर काढल्याने चेहरा थिडूप होण्याचीही शक्यता असते. त्यामुळे जवळपास भाग काढून तो पारंपरिक पद्धतीने बसविणे अत्यंत कठीण होते. त्यामुळे श्रीडी तंत्रज्ञानाचा निर्णय घेण्यात आल्याचे डॉ. साठे यांनी सांगितले.

या आधुनिक तंत्रज्ञानाने करण्यात आलेल्या शस्त्रक्रियेमुळे सुजाता साठे या पूर्णतः सुखरूप असून काही दिवसांतच त्या पूर्वीप्रमाणेच तोंडाच्या सहाय्याने खाऊ शकतील. आपली बहीण आता सुखरूप असून आपल्या निर्णय योग्य ठरल्याचे सुजाता यांची बहीण अरुणा रहाटवळ यांनी सांगितले.



असा काढला ट्युमर

श्रीडी टेक्नॉलॉजीच्या सहाय्याने पहिल्यांदा ऑपरेशनपूर्व चेकअप करण्यात आले. त्यानंतर शस्त्रक्रिया करून ८ सेंमीचा ट्युमर काढण्यात आला. या श्रीडी तंत्रज्ञानाच्या सहाय्याने हाच्या पायातील हाडाच्या सहाय्याने जबडा तयार करण्यात आला.

मायक्रो थॉम्ब्युलर प्लॅस्टिक सर्जरीच्या सहाय्याने जबडा आणि हनुवटीमधील काही हुटी दूर करून हा जबडा पूर्ववत करण्यात आला, असे डॉ. नीलम साठे यांनी सांगितले.

Glimpses of 2017



Donation of Multiparameter Monitors by SIS Imports (Paediatrics)



Inspection of the Pharmacovigilance centre by a WHO team [Clinical Pharmacology Department]



Celebration of World De-addiction Day (Psychiatry)

Looking Ahead

Looking Ahead

Anatomy

- Modernization and digitalization of Anatomy lecture theatre to facilitate e-learning and tele-education.
- Preparation of e-learning modules for microanatomy and gross anatomy for First MBBS students.
- Air-conditioning of Dissection Hall, Microanatomy Laboratory, Anatomy Lecture Theatre with Laminar Airflow Systems.
- Installation of surveillance cameras and CCTV monitoring of lecture theatres, laboratories and departmental corridor (for security).

Biochemistry and Clinical Nutrition

- To introduce Hospital management Information system for improvement of turnaround time and easy accessibility of patient data.
- To introduce laboratory information system.
- To align emergency and central clinical biochemistry laboratories.
- To introduce early clinical exposure to facilitate self-study, adult learning and enhance communication skills, to sustain vertical and horizontal integrated teaching.
- To prepare validated question bank in the subject of Biochemistry.
- To procure equipments for conducting research and to collaborate with national and international agencies to diversify and upgrade research activities.
- Planning for new strategies in assessment by using tools like 'Blue Printing'.

Cardiology

- A second state of the art Cath lab, 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 which is soon to come, the primary angioplasty programme is bound to flourish.
- Fellowship program for post DM /DNB candidates in Paediatric Cardiology, adult interventional cardiology and electrophysiology is proposed.

Chest Medicine

- Research - To develop breath analysis as non-invasive diagnostic modality.
- National environmental Lung Health Institute transdisciplinary translational approach to lung health.
- Establishment of DM (Pulmonary Medicine) and Diploma in Allergy & Immunology.

CVTS

- Expansion of the facilities has been completed and will be utilised.

Clinical Pharmacology

- To develop therapeutic drug monitoring for drug voriconazole and paracetamol as part of patient care services.

Community Medicine

- Rural health training centres of the department to be connected through Telemedicine of KEM Hospital.
- Expansion of departmental website.
- Wi-Fi connectivity to the department.
- To start de-addiction centre at Malvani Urban Health centre.
- Advocacy meeting with MLSM NGO for MDT of leprosy patients.

Dermatology

- Planning to install UVA1 chamber in the department.

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

Dentistry

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

Endocrinology:

A. Patient Care

- o Establish Foot Care Clinic
- o Diabetes services to be enhanced to curtail number of patients visits.
- o Diabetes prevention programme
- o Establish clinic for “Disorders of sexual development”
- o Neuro Endocrinology clinic
- o Thyroid Sonography
- o Establish patient support group
- o Obesity Clinic
- o Endocrine Oncology Clinic

B. Research

- o Establish molecular endocrinology laboratory.
- o Establish Endocrine Oncology referral centre.
- o Establish regional referral centre for genetic diagnosis in endocrine disorders.
- o Establish genotyping in patients with congenital adrenal hyperplasia .
- o Establish newborn screening programmers in congenital hypothyroidism and congenital adrenal hyperplasia .
- o Further research in pharmacogenetics in various endocrine disorders like Diabetes Mellitus Osteoporosis etc.
- o Increasing number of national and international publications.

C. Education

- o Start a diabetes Educators program for nursing staff/ Medical social worker
- o Fellowships in
 - o Pediatric and Adolescent Endocrinology
 - o Reproductive Endocrinology

ENT

- Future plans of Department (Patient Care, Education, Research, Campus and Infrastructure).
- To develop surgical skill development lab in collaboration with Forensic Pathology Department.

Forensic Medicine

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

Gastroenterology

- Establishment of a liver ICU in coordination with Department of GI surgery for better management of patients with acute liver failure and post liver resection surgeries.
- Education: Training for research and GCP for all residents.
- Campus and Infrastructure: New Equipments High resolution Manometry Solid state manometry
- Thromboelastography

Hematology

- New equipment procurement – automated coagulometer
- Increasing the number of patients on prophylaxis in hemophilic patients
- To establish bone marrow transplant unit

Microbiology

- Accreditation of TB culture and DST laboratory
- Establishing Viral Research and Diagnostic Laboratory

Neonatology

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

Nephrology

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

Neurology

- Planning to start 64 channel stereo EEG facility
- Planning to start for Vagal Nerve Stimulation for Epilepsy Patients.
- Planned for Stroke Ward.
- Plan to start Deep Brain Stimulation for Parkinsons patients.

Neurosurgery

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

Nuclear Medicine

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

Occupational Therapy

- To establish a state of art department of Occupational Therapy reflecting the latest trends and technological care imparted by the professionals, improvised over the last 66 years.
- To set up an unique rehabilitation care center for the physically and mentally handicapped with facility of disability evaluation, driving evaluation and visual rehabilitation.
- To incorporate an orthotic and prosthetic department at the Occupational Training School & Center of Seth G. S. Medical College and K. E. M Hospital.
- To expand on already piloted project of early intervention of high risk infants through telemedicine in rural parts of Maharashtra.
- To develop E-learning programs for distant learning and education.
- To start integrated Masters Program and Short Certificate Courses at the University Level.

- To collect data for standardizing scales on the Indian population in different fields of Occupational Therapy for the purpose of assessment & intervention.
- To incorporate the facility of internet and intranet at Occupational Therapy Department.

Ophthalmology

- Expansion of pediatric ophthalmology facilities

Orthopedics

- Establishment of paraplegic rehabilitation center
- Establishment of dedicated intensive care unit with bed capacity of 8 for orthopaedics.
- Upgradation of operative rooms with navigation, neuromonitoring, power instruments and cell saver.
- To start MUHS recognized fellowships in the subspecialty of Spine, Arthroplasty and Arthroscopy.
- Apart from PG training course which was 1st started last year department is planning to start 2 days orthopaedics course for undergraduates.

Pathology

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

Pediatric Surgery

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

Paediatrics

- Initiation of new Pediatric Gastroenterology OPD.
- Increase in teaching units from 3 to 4.
- Upgrading bed strength of Pediatric ICU to 20 beds (from present 9 beds).
- 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

- MCQ booklet for undergraduate students
- Developing videos for undergraduate medical education
- Upgradation of animal house facilities

Physiology

- Intend to develop an efficient Exercise Physiology laboratory
- To acquire & upgrade existing equipment for the purpose of research.

Physiotherapy

- To develop techno savvy department with humane approach to patient care

Plastic Surgery

- Joint clinics with orthopedics and interventional radiology
- Support group for burn survivors
- Residents exchange program with other institutes

Psychiatry

- Project – Drug Treatment Centre (DTC) Scheme, Treatment of Substance Use Disorders in India by MOHFW In the coming year, 4 more Drug Treatment Clinics are planned in the west Region. Planning a training for all Deaddiction centre in Jan, 2018.
- National Survey of extent and pattern of substance use in India with an objective of the project to provide the estimates of proportion and absolute number of users & dependent individual in all states / UTs at the national level in India.

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 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.
- To conduct Blood Bank Training Programme for West, Central Zones as per Apex Training Centre.

Urology

- To conduct a cadaver retrieval workshop.
- To organize film festival on organ donation.
- To start Medical Social Worker training course .
- To organize a 3D laparoscopy workshop

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:

Chairpersons: Dr. Avinash Supe, Dean & Director (ME & MH), Seth GS Medical College & KEM Hospital

Secretary: Dr. N. N. Rege, Professor & Head, Dept. of Pharmacology & Therapeutics

Sr. No.	Name of Academic Committee Members	Occupation & Designation
1.	Dr. Anil Gvalani and after his superannuation, Dr. R.R. Satoskar	Academic Dean and Professor & Head, Dept. of Surgery
2.	Dr. Sucheta P. Dandekar	Professor & Head, Dept. of Biochemistry
3.	Dr. Pritha S. Bhuiyan	Professor & Head, Dept. of Anatomy
4.	Dr. Dhangaure Shenvi	Professor & Head, Dept. of Physiology
5.	Dr. Amita Joshi	Professor, Dept. of Pathology
6.	Dr. Preeti Mehta	Professor & Head, Dept. of Microbiology
7.	Dr. Sandhya Kamat	Professor, Dept. of Pharmacology & Therapeutics
8.	Dr. Smita Divate	Associate Professor, Department of Pathology
9.	Dr. Amar Pazare	Professor & Head, Department of Medicine
10.	Dr. Milind Nadkar	Professor, Department of Medicine
11.	Dr. Aparna Deshpande	Professor, Department of General Surgery
12.	Dr. Alka Gupta	Professor, Department of Obstetrics & Gynaecology
13.	Dr. Mrudula Solanki	Associate Professor, Department of PSM
14.	Dr. R.R. Shinde	Professor & Head, Department of PSM
15.	Dr. Nilam Sathe	Associate Professor, Department of ENT
16.	Dr. Ajita Nayak	Associate Professor, Department of Psychiatry
17.	Dr. Mohan Desai	Professor, Department of Orthopaedics
18.	Dr. Nalini Shah	Professor & Head, Department of Endocrinology
19.	Dr. DV Kulkarni	Associate Professor, Department of CVTS
20.	Dr. Sujata Patwardhan	Professor & Head, Department of Urology
21.	Dr. Nithya Gogtay	Associate Professor, Department of Clinical Pharmacology
22.	Dr. Bhavana Mhatre	Associate Professor, Department of PT
23.	Dr. Amita Athavale	Professor & Head, Department of Chest Medicine & EPRC
24.	Dr. Snehal Desai	Associate Professor, Department of OT

In the year 2017, 4 meetings of the Academic Committee were held. During these meetings, the members deliberated on the following points and the necessary actions were taken.

Pertaining to educational programmes

- Various academic programmes planned by faculty and students and encroaching upon the curricular time allotted to the other departments should get the approval of the Academic Committee. There is a need to have a compilation all the programmes at one place with discussions for their usefulness to the level of students. Academic Committee also felt that programmes related to Bioethics and Humanity should be held under one roof.
- It was decided to have a meeting with the college office staff members for better coordination in ongoing UG and PG programmes through especially the clinical posting schedule of students. In this meeting it was decided that the Academic Dean would evolve a system for dissemination of information regarding 1. clinical postings to all the concerned departments, and 2. Changes in postings of students who fail in first, second and third part I examination. He would also make a common education programme for UG students involving teachers from KEM and Wadia Hospital.
- It was suggested that UG office staff should send the first list of students who will be joining paraclinical courses (and postings in the clinical units) in an alphabetical order with surnames first to concerned departments. After the results of supplementary exams are declared the office should inform paraclinical and clinical departments, who have passed and who have failed so that the cell in front of the numbers can be kept vacant. Any transferred student should be allotted

a number subsequent to the last number of the given batch. These suggestions were accepted by the members. The UG office staff was instructed accordingly.

- The Academic Dean was requested to inform all the departments that the information about lectures & practicals conducted by the faculty and student attendance for the same needs to be sent to the MUHS as requested by the University.
- Issues regarding nonattendance of students in clinical terms was discussed and solutions was suggested to the concerned HOD with approval from the Dean.
- Office staff was instructed to send a written communication to the HODs of paraclinical and clinical disciplines if any student rejoining the MBBS course after a gap with due approval by the Dean.

Pertaining to internal assessment and University examination

- It was decided that departments completing practical examination in the same slot should coordinate and arrange to send the examination results together to MUHS. The college office would send a circular mentioning exam dates and the list of departments conducting examinations on that date so as to facilitate departments to coordinate among themselves.
- During examination period (esp. postgraduate examination), at least one clerk should be available in the office with facility of internet connection. This duty can be done in rotation by office clerk during the examination period. In case, any department faces problem then they can approach college office. All the conveners should be instructed that while leaving the department after submission of the marks, they should phone and inform the clerk waiting for them about the status of submission.
- An issue regarding non-attendance of students for clinical rotation postings during terminal examinations of paraclinical disciplines was discussed. It was decided that changes in the clinical posting schedule is not possible but at the level of the clinical department extra classes can be taken to make up for the loss.
- Decisions regarding students who are not eligible to appear for the MUHS examination on the basis of poor performance in the internal assessment and/or attendance from various departments were confirmed. It was decided to communicate the decision to the MUHS while sending internal assessment record to the University as well as to the office staff by the individual department so that the hall tickets will be distributed to the eligible students only after striking through the concerned subject printed on the hall ticket.

Following matters were referred to other appropriate committees

- MUHS proposal regarding application for organizing a conference for medical students was sent to the Staff society which is holding research paper presentations for students and faculty for further consideration.
- An issue regarding abusive behavior of a resident was referred to the Grievance Committee for further enquiry.

Other points

- Summer school in oncology at Tata Memorial Centre Mumbai in collaboration with King's College, London: Selection residents and students: The application forms of the undergraduate and postgraduate students were reviewed. List of 3 postgraduate students and 12 undergraduate students was forwarded to Tata Memorial Centre. Of these, 15 students (10 UG and 3 PG) were selected for the course and successfully completed the same.
- Mr. Raghavendra B. Pandit, III yr UG student and Dr. Yogesh Dokhe, Senior Medical Officer from ENT were selected for one month of observership at Guy's and St. Thomas College and Kings College, London.
- It was decided to communicate to students and faculty the recently modified procedure of submission of synopsis and dissertation to the University so that submission can occur within the time limit prescribed by the University. It was also decided to write to the Registrar and Hon'ble Vice Chancellor the issues faced by the faculty members related to synopsis submission viz. selection of topic, training of the students in research methodology, uploading of the student's profile and EC permission with request to keep the date of submission as 31st December and not October.
- It was decided to change the dates of the University vacations so that Centre in charge for University examination can get more days to make preparations for the examination. The vacation dates should be decided by the individual college based on the needs of the institution and the faculty programmes and therefore may differ in different colleges of MCGM.
- It was decided that the faculty from Wolters Kluwer can be invited if we get appropriate opportunity.

A. Student's Grievance Committee:

Coordinator: Dr. Amita Joshi, Professor, Dept. of Pathology

Established: April 2010

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

Sr. No.	Name of Student's Grievance Committee Members	Occupation & Designation
1.	Dr. Jayashree Gadkari	Professor & Head, Dept. of Physiology
2.	Dr. Alka Gupta	Professor, Department of Obstetrics & Gynaecology
3.	Dr. Bhavana Mhatre	Associate Professor, Department of Physiotherapy School & Centre
4.	Dr. R. R. Shinde	Professor & Head, Dept. of Preventive & Social Medicine
5.	Dr. Santosh Salagre	Associate Professor, Department of Medicine
6.	Dr. Aparna Deshpande	Professor, Department of General Surgery
7.	Dr. Snehal Desai	Assistant Professor, Dept. of Occupational Therapy School & Centre

Animal ethics committee

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

Sr. No.	Name of Members	Position on AEC	Occupation & Designation	Gender
1.	Dr. Sucheta P. Dandekar	Chairperson cum Scientist from different biological discipline	Professor. & Head, Biochemistry, Seth GSMC & KEMH.	F
2.	Dr. Sandhya K. Kamat	Member-Secretary cum Biological Scientist	Professor, Pharmacology & Therapeutics, Seth GSMC & KEMH.	F
3.	Dr. Priyanka Prasad	Scientist from different biological discipline	Additional Professor, Microbiology, Seth GSMC & KEMH.	F
4.	Dr. Nirmala N. Rege	Scientist in charge of Animal house facility	Professor and Head, Pharmacology & Therapeutics, Seth GSMC & KEMH.	F
5.	Dr. Sachin L. Kulkarni	Veterinarian involved in care of animals	Sr. Veterinary Officer, Seth GSMC & KEMH	M
6.	Dr. Rahul A. Thorat	Main Nominee, CPCSEA	Scientific Officer D, Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Navi Mumbai	M
7.	Dr. Vinita Kulkarni	Link Nominee, CPCSEA	Veterinary Doctor, Mahim Pet Clinic, Mahim, Mumbai	F
8.	Dr. Sangram S. Chavan	Scientist from Outside the Institute (nominated by CPCSEA)	Professor and Head, Department of Pharmacology and Toxicology, Bombay Veterinary College, Parel, Mumbai	M
9.	Mr. Sunish S. Kunju	Socially aware member (nominated by CPCSEA)	Founder & Secretary, Plants and Animals Welfare Society (PAWS), Mumbai	M

Meetings held in 2017: 3 (18th January, 1st July and 28th October)

New projects submitted in 2017: 21

New projects approved in 2017: 20

Ongoing projects: 5

Projects completed in 2017: 10

Committee of Food, Hygiene and Cleanliness (CFHC-KEMH)

It is often said that cleanliness is next to godliness, keeping this in mind Hon. Director Dr. Avinash Supe constituted the committee on food hygiene and cleanliness to improve and keep vigilance in regards to the cleanliness at campus.

President – Dr AN Supe, Secretary – Dr Ravindra Deokar, Joint Secretary – Dr Pavan Sabale

Conducted cleanliness drive on campus in collaboration with team of central excise department.

Committee carried out tree plantation at Round garden, Gate no 4 and the lawns are developed. Initiative of clean KEM and Green KEM started at KEMH with aim of plantation of 10,000 new plants at KEMH premises, also the committee keep vigilance on the quality of food and hygiene maintenance at various canteens in premises. For awareness of staff and students of this institution on cleanliness issues, this committee conducted role play competition under supervision of Mrs. Pradnya Nachankar, Principal School of Nursing KEMH.

Patients are an integral part of our institution and hence to inculcate in them a sense of responsibility of maintaining hygiene in KEMH premises and make them aware regarding cleanliness and its importance, various news article published in local newspaper for awareness on cleanliness

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 equipment & instruments and to attend to and take of the patients.

Education

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

1. Orthopedics: PG training Course from 24th to 26th February 2017.
2. Anesthesia: Pediatric Anesthesia Simulation and Skills workshop on 4th & 5th March 2017.
3. Pathology: "Hands -on -slide viewing session of peripheral blood smears and bone marrows" on 22nd March 2017.
4. Clinical Pharmacology: Two workshops on DNB Board on June 2017 and November 2017.
5. Plastic- Surgery: live operative Brachial Plexus workshop on 19th – 20th May 2017.
6. Anesthesia: Sanction for CME on "Game Changers in Anesthesia Practice - CME" on 20th August 2017 in MLT.
7. Clinical Pharmacology: Pharmacovigilance workshop on 24th June 2017.
8. Biochemistry: (GCLP) workshop from 12th September to 14th September and 12th January 2017.
9. Pediatric-Surgery: Golden Jubilee Function on 16th December 2017.
10. Plastic-Surgery: Camp Karma on 3rd -5th November 2017.
11. Orthopedics: Bone and Joint Day celebration on 4th August 2017.
12. Orthopedics: Platinum Jubilee celebration on 17th and 18th February 2018.

Award and Honors

Following prizes were given:

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

Work Environment

Foundation day: Miscellaneous expenses of Rs, 20,000/- through DDF General Fund were sanctioned.

Donation and Grants (Year Jan 2017 to December 2017)

Sr. No.	Name	Income Donation/Grants
1.	Patient Care	3,28,400.00
2.	Research	9,17,824.00
3.	Training Programs/workshop	14,80,192.00
4.	Awards	8,480.00

Committees

- Following work has been by DDF from 1st January 2017 to December 2017.
- Total Twelve meetings held throughout the year.
- Five 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

Introduction

The Seth GS Medical College and KEM Hospital, Diamond Jubilee Society Trust was established in 1989 with the following objectives:

- A. To undertake scientific, social and statistical research in the field of health, medicine and applied sciences. Benefits arising out of results of the research undertaken by the trust would be extended to the poor and needy sector of the

community, especially the slums dwellers and the working class in textile and other industries in Mumbai, catered by our public hospital as well as to the patient population at large.

- B. To promote medical education and to continually offer opportunities of upgrading knowledge, skills in the context of innovations, research and discovery in all fields of health.
- C. To provide medical relief and undertake development program in health services and upgrading health care facilities to various sectors of the society.

The trust accepts donations to support the medical education and health facilities of Seth GS Medical College and KEM Hospital. Donations to the trust are exempted under section 80G of the Income Tax Act 1961. The FCRA, Govt. of India, Ministry of Home Affairs has given the permission to receive and utilize foreign contribution to Trust. The Trust has also been recognized as SIRO, by Department of Scientific and Industrial Research for years 2013 - 2016.

Managing Trustee: Dr. AN Supe, Dean, Seth GS Medical College & KEM Hospital

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

Activities of the trust

Diamond Jubilee Society Trust was able to collect Rs.3,59,64,628/- of donations in the year (January 2017- December 17 inclusive of Foreign donations of Rs.1,63,87,160/- and Government Research Grant of Rs. 46,38,162/- The donations are being used for the purpose stated by the donors. In addition, the trust does following activities:

Patient care

- Patient education program of Patient Education Cell were supported.

Donation received for Department Development:

- A Donation of Rs. 25,56,756/- was donated by Murali Chingani Charity Trust towards purchase of equipment / instruments for ENT Dept.
- A Donation of Rs. 11,51,230/- was donated by Premco Global Limited towards purchase of equipment / instruments for ENT Dept.
- Rs. 10,00,000/- was donated by Sanghavi Family towards studies related to impact of air pollution on citizens and their health.

Donation received for Specific Institutional Purpose:

- A Donation of Rs. 19,82,868/- (\$30,992) was donated by Indira Foundation's towards the financial support to needy patient & Excellence Scholarship.
- A donation of Rs. 6,71,790/- (\$ 10,500) was donated by India Development Service towards the Dr. ML Kothari chair of Medical Humanities.
- A donation of Rs. 1,14,68,569/- was donated by Indira Foundation towards the Renovation of Ladies Common Room.

Medical education

1. Financial support of Rs. 1,22,000/- was extended for 10 research projects undertaken by the postgraduate students & Rs.4,75,000/- for 5 research projects undertaken by the Jr. faculty members.
2. The students who have excelled in their academic career were awarded prizes and scholarships (n=36) by the trust. Funds for this purpose have been donated by the graduates, postgraduates and teachers of the institute.
3. GOSUMEC Foundation, USA Research / Innovation Scholarship was awarded to the following undergraduate students for their meritorious research work:
 - a. Jay Savla, Alhad Mulkalwar, Ravikumar Keswani – 2nd 1st MBBS students who had participated in 14th Inter Medical School Physiology quiz at Universitas Gadjah Mada, Yogyakarta, Indonesia on 29th -30th July 2016 had won 5th position.
 - b. Mansi Chaturvedi - Final MBBS student who presented a poster titled, "Do clinical trials conducted in India Match its Health care needs? An Audit of two clinical trials registries" at Philadelphia on 26th - 30th June, 2016
 - c. Priyanka Lakshmanan - Final MBBS student who presented a poster titled, "HIV Polyarthropathy case study" at HIV Congress held at Goa from 18th – 20th March, 2016.
 - d. Rohit Nathani - Final MBBS student who presented a poster titled, "Effect of expressed breast milk (EBM) vs swaddling vs oral sucrose administration on pain associated with suctioning in preterm neonates on assisted ventilation: A Randomized Controlled Trial" at 23rd International Student Congress of (bio) Medical sciences (ISCOMS) at Groningen, the Netherlands on 7th -10th June, 2016.

- e. Sayli Kalzunkar - Third year (BOTH) student is going to present the paper, "Movies and Arts as an effective tool in bioethics Training for Health Profession Education Students from India" at 12th Bioethics world conference at limassol Cyprus from 19th March – 25th March 2017.
 - f. Prajakta Kulkarni - Fourth year (OT) student is going to present the paper, "Competitive Learning in bioethics education – an Indian Experience" at 12th Bioethics world conference at limassol Cyprus from 19th March – 25th March 2017
4. Support extended to confluence 2017
Donations were accepted for the following activities undertaken for (undergraduate and postgraduate) students:

Donation received for instituting award

- A donation of Rs. 10,00,000/- was accepted from Dr. Avinash Patwardhan and Dr. Nilima Patwardhan towards institution of "Dr. Avinash and Dr. Nilima Patwardhan Merit Scholarship and Prize" for the student scoring the highest marks in the Final MBBS Exam.
- A donation of Rs. 10,00,000/- was accepted from Dr. Anil Patwardhan towards instituting award for the student with the highest score or marks in the final MBBS Exam.
- A donation of Rs. 2,00,000/- was accepted from Dr. Milind Kirtane towards instituting award for the postgraduate student for academic excellence award in ENT department.
- A donation of Rs. 3,00,000/- was accepted from Dr. Ram Prabhoo towards instituting award for undergraduate & postgraduate students, the prizes should be in the form of Gold Medal & certificate.
- A donation of Rs. 2,00,000/- was accepted from Dr. Anil Habbu towards institution as an award in memory of his father late Dr. Venkatesh Habbu, for a student a Gold Medal award for standing first place in MD Medicine at University Examination at Seth GSMC & KEMH.
- A donation of Rs 3,00,000/- was accepted from Dr. Ramesh Hansoti towards institution as an award in memory of her wife late Dr. Kala Hansoti, for a student a Gold Medal award for outstanding nurse & Instituting Dr. Ramesh Hansoti Gold Medal Award for the standing first at Seth GSMC in the subject of Medicine at MBBS examination.

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 program for the undergraduate students
- Cultural events organized by the undergraduate students like *Advait* (Marathi drama competition)

Donations were accepted for the following Faculty development program

1. "CME - Updates on Coblation" conducted by Department of ENT in January, 2017.
2. PHARMATECH- a national workshop conducted by the Department of Pharmacology & therapeutics in February, 2017.
3. Research Methodology Workshop, conducted by Department of Community Medicine in February, July & October 2017.
4. "CME- Obstetric and gynecological aspects of Tuberculosis" conducted by Department of Obstetrics & Gynecology in April, 2017.
5. Research Methodology Workshop conducted by Department of Obstetrics & Gynecology in April & July 2017.
6. "CME – Female Genital tract Anamolies" conducted by Department of Obstetrics & Gynecology in October 2017.

Support for utilizing cadaver facilities of the department of Anatomy during

- 'BOS Pelviacetabular Cadaveric Course' conducted by the Department of Orthopedics under the auspices of Bombay Orthopedic Society
- Endoscopic and skull base dissection and demonstration conducted by the Endo skull base Trust
- WIROC workshop was conducted by the Department of Anatomy and Tata Memorial Centre

Medical Research

- The Trust has received donations (Rs. 88,58,057/-) for research projects undertaken by various departments. In addition, it received funds from Government organizations towards research projects (Rs. 46,38,162/-)

Publication

- Annual Report of Seth GS Medical College & KEM Hospital-2017 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-2017)
- Maintenance of front lawn and garden in the KEM campus.
- Support for welfare activities of the institutional members (Women Development Committee)
- Support extended to purchase of chairs for hostels.
- Support extended for pest control service done to Mortuary Building of KEM Hospital
- Contribution for RemoteXs Renewal subscription services to KEM Hospital

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 Sensitization program (n=3) on Attitude and Communication (AT-COM) module and Revised Basic Course were conducted in March (7th – 10th), October (3rd -6th) and November (21st – 24th)

6th Sensitization program on Attitude and Communication (AT-COM) module for and Revised Basic Course

- The “Sensitization program on Attitude and Communication (AT-COM) module for Resource Faculty and Revised Basic Course” was conducted by the GSMC- KEMH-MCI Nodal Centre as a part of Faculty development program. The participants were from the medical institutions in Maharashtra. A total of 30 participants registered. Of these, 15 was from GSMC, 15 were from Mumbai (other than GSMC). The designations were as follows: A. Professor & Head – 1, B. Professor – 4, C - Associate Professor - 11 and D. Assistant Professor – 14.

7th Sensitization program on Attitude and Communication (AT-COM) module for and Revised Basic Course

- The “Sensitization program on Attitude and Communication (AT-COM) module for Resource Faculty and Revised Basic Course” was conducted by the GSMC- KEMH-MCI Nodal Centre as a part of Faculty development program. The participants were from the medical institutions in Maharashtra. A total of 30 participants registered. Of these, 15 was from GSMC, 15 were from Mumbai (other than GSMC). The designations were as follows: A. Professor & Head – 6, B. Professor – 5, C - Associate Professor - 7 and D. Assistant Professor – 7.

8th Sensitization program on Attitude and Communication (AT-COM) module for and Revised Basic Course

- The “Sensitization program on Attitude and Communication (AT-COM) module for Resource Faculty and Revised Basic Course” was conducted by the GSMC- KEMH-MCI Nodal Centre as a part of Faculty development program. The participants were from the medical institutions in Maharashtra. A total of 29 participants registered. Of these, 13 was from GSMC, 16 were from Mumbai (other than GSMC). The designations were as follows: Dean – 1, B. Professor – 4, C - Associate Professor - 6 and D. Assistant Professor – 18.

5th MCI Advance Course in Medical Education

- The “Fifth MCI Advance Course in Medical Education” was conducted by the GSMC- KEMH-MCI Nodal Centre from 5th September 2017 to 12th September 2017. 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, 1 from Navi Mumbai, 2 from Aurangabad, 1 from Bangalore, 6 from Pune, 2 from Sangli, 2 from Nashik, 1 from Karad and 1 from Thane, 1 from Valsad.

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

Dr. Swapna Kanade, Associate Professor, Department of Microbiology.

Certificate distribution ceremony for successful completion of MCI Advance Courses

- Certificate distribution ceremony was organized on 1st September 2017 for participants from one 2014 and two 2015 batches who completed MCI Advance Courses successfully (27 from 2014, 22 from 2015 A and 25 from 2015 B batch). Mr. Sanjay Deshmukh, Secretary, Medical Education, Govt of Maharashtra and Dr. Tejinder Singh, National Convener,

MCI Advance Course were the Guest of Honor and Chief Guest respectively. Dr. Tejinder Singh delivered a guest lecture, "Current Trends in Faculty Development" on this occasion.

Courses conducted at the institutions affiliated to the Nodal Centre

- GSMC-KEMH MCI- Nodal Centre has 15 colleges affiliated to it: 11 from Mumbai and Navi Mumbai, 2 colleges from Aurangabad, 1 college each from Dhule and Valsad. The faculties from these institutions have attended the MCI Revised Basic Course in Department of Medical Education.

Details of faculty from DOME who went as observers to Medical Colleges under GSMC-KEMH MCI Nodal Centre

Sr. No.	Name of Institute	Duration	Observer
1.	Govt. Medical College & Hospital, Aurangabad	20 th to 24 th March 2017	Dr. Rajneesh Pandey, Associate Professor Dept of Anatomy
2.	Grant Government Medical College & Sir J.J. Hospital	25 th to 27 th July 2017	Dr. Rashmi Patil, Associate Professor Dept. of Anatomy
3.	Hindu hriday samrat Balasaheb Thackeray Medical College & Dr. R N Cooper Municipal General Hospital, Mumbai	5 th to 7 th April 2017	Dr. Rakhi Tripathi Associate Professor Dept. of Pharmacology
4.	Topiwala National Medical College & BYL Nair Hospital, Mumbai	21 st to 23 rd June 2017	Dr. Rakhi Tripathi Associate Professor Dept. of Pharmacology
5.	Terna Medical College, Navi Mumbai	28 th to 30 th June 2017	Dr. K. Shyamkishor, Professor, Dept of Anatomy
6.	Hindu hriday samrat Balasaheb Thackeray Medical College & Dr. R N Cooper Municipal General Hospital, Mumbai	8 th to 10 th August 2017	Dr. Munira Hirkani, Associate Professor, Dept. of Physiology
7.	Lokmanya Tilak Municipal Medical College & Hospital, Sion, Mumbai	9 th to 11 th August 2017	Dr. Lalitha Chandan, Professor Dept. of Physiology
8.	Government Medical College, Aurangabad	19 th to 21 st December 2017	Dr. Santosh Salagre, Associate Professor, Department of Medicine

B. GSMC FAIMER Regional Institute

The Thirteen GSMC FAIMER Regional Institute program was conducted at Seth GS Medical College & KEMH, Mumbai from 17th April to 26th April 2017. A total of sixteen fellows from all over India and Malaysia participated in the program. Ms. Ralf Rundgren Graves, Director FAIMER Regional Institutes Philadelphia. FAIMER faculty, inaugurated the program. The program module consisted of different sessions. Several faculty of the institute conducted these sessions.

C. Workshop in Medical Education Methodology for Resident Doctors

Two workshops titled 'Resident as a Teacher – Basic Workshop in Educational Methodology' designed by the Institute of Medical Education Technology and Teachers' Training, MUHS Regional Centre Pune were conducted on 15th - 16th July 2017 & 19th - 20th July 2017 from 8.30am to 5.30pm in the Department of Medical Education Conference Room, College Terrace, Seth G. S. Medical College Building.

D. Faculty Members of Department of Medical Education were faculty at various workshops and conferences

E. Publications

Book

- Suppe A. Authorship and Contributor ship. Writing and Publishing Scientific Research Paper. Springer. 2017.

Article

- Bansal P, Suppe A, Sahoo S, Vyas R. Faculty Development for Competency Based Medical Education. Natl J Integr Res Med 2017; 8(5):89-95
- Telang A, Rathod S, Suppe A, Nebhinani N, Mathai S. Faculty views on competency- Based medical education during mentoring and learning web sessions: An observational study: J Edu Technol 2017, 4 (I) 9-13
- Suppe A. Medical humanities in undergraduate medical curriculum. Ind. J medical Ethics. 2012; 9 (4):263-5.
- Eachempati P, Puppallwar PV, Shigli K, Jagzape A, Kumar K, Suppe A, Bhosale Y, Shetye JV. Moderation of an online discussion on communication skills – A GSMC FAIMER experience. Med Ed Publish 2017 pp 1-14 at <https://doi.org/10.15694 /mep.2017. 000118>.
- Dhaliwal U, Suppe A, Gupta P, Singh T. Producing Competent Doctors – The Art and Science of Teaching Clinical Skills. Indian Pediatr 2017 (54): 403-9.
- Rege N, Tripathi R, Salagre S, Furman G. Five-R framework for prescription communication skills learning Med Edu 2017 51:1170-71

7. Patil VS, Tiwale SM, Iyer P, Venugopal NT, Kulkarni CS, Kumbhar A. A study of perception of first year MBBS students on case-based learning in biochemistry as a method to improve analytical thinking NJIRM 2017; 8(5) 67 – 70
8. Violence against doctors cannot be tolerated. Supe A. South East Asia BMJ – March 29, 2017
9. Supe A.N. Educational Innovations and Ethical dilemmas – AHPE bulletin – Jan- 2017 Volume 2 – 4-5.
10. Safer prescriptions for the elderly: challenges and solutions from India Lancet Blog 20th July 2017.

Dr. M.L Kothari Chair of Medical Humanities

The doctor-patient relationship is central to the healthcare practice and is essential for providing high-quality medical service in terms of diagnosis and treatment of disease. The doctor-patient relationship is based on the foundation of medical ethics. The relationship begins the moment the doctor comes in contact with a patient. A doctor should maintain a good rapport with his patient, uphold his/her dignity, and respect the patient's privacy. In medical profession, all patients are alike, whether poor or rich, known or unknown, friend or enemy. After all, this profession has a strong foundation of humanities and professional ethics and hence is considered as a noble profession.

Verbal communication in medical consultations is well recognized as being important to the delivery of medical care and is usually easy to interpret and analyze. Similarly, non-verbal communication helps to build the relationship, provides cues to underlying unspoken concerns and emotions, and helps to reinforce or contradict our verbal comments. As doctors, we need to recognize and explore patients' non-verbal cues in their speech patterns, facial expressions, and body posture. But we need to be equally aware of our own non-verbal behavior: how the doctor's use of eye contact, body position and posture, movement, facial expression, and use of voice can all influence the situation.

This aspect medical life will always remind all of us of our very senior colleague, medical philosopher Dr. Manu Kothari. The year 2014 saw parting away of Dr. Manu VL Kothari, a beloved teacher who lived his life based on saying of John B. Murphy "the patient is the center of the medical universe around which all our works revolve and towards which all our efforts trend". To imbibe this aspect various programs have been conducted under the aegis of Chair in 2017. Movies like "WIT" and "Ventilator" shown with interactive sessions. Programs like "Performance Poetry" with overwhelming participation by students were conducted. Book review of "Being mortal" was done by Dr. Sanjay Oak, Former Director (Medical Education & Major Hospitals), Orientation program by Dr. S.K. Pandya, First Chair, Workshop on "Palliative Care" and lectures by renowned Psychiatrist Dr. Anand Nadkarni and ex-Professor Dr. Anil Tendolkar on college life, aims and goals. Communication skill workshop by ex- gosumec Dr. Sandeep Mane taught students how to face and handle various situations. A one-day workshop "Ascension" was very well received by student community with various enthusiastic participation by Student community.

Gosumec Alumni Association

The office bearers of Gosumec Alumni Association are Dr. Avinash Supe – Dean, Director (ME&MH) and President, Dr. Sharad Gogate & Dr. Manjula Sarkar (Vice Presidents), Dr. Ram Prabhu & Dr. Gita Nataraj (Hon. Secretaries), Dr. Sunil Puntambekar & Dr. Sandhya Kamat (Hon. Jt. Secretaries) & Dr. NN Rege (Hon. Treasurer). Managing Committee members are Dr. AA Deshpande, Dr. DG Kurlle & Dr. V Shivane, Dr. LA Mehta, Dr. MN Nadkarni, Dr. M Natarajan, Dr. J Shah, Dr. AB Tilwe, Dr. V Dedhia, Dr. M Kembhavi & Dr. M Abhyankar.

The following activities were carried out during the year 2017.

- Full and partial free ship / scholarships were awarded to thirteen open merit economically challenged students for a total of Rs. 708150/- courtesy Indira Foundation's Motivation for Excellence Financial Assistance.
- 29 students were financially supported through Dr. Kero, Mrs. Dalal, Dr. Kailash Pawar & 1987 Batch Funds and GAA funds.
- Dr. R.B. Redkar Memorial awards for excellent administrative work were given to Dr. Manoj Telkatwar (Administrative Medical Officer), Shri Umesh Gurao (Hospital Office Administrator) and Shri. Sonu Barde (College Office Administrator).
- Dr. Swapna Kanade from the Dept. Of Microbiology and Dr Bonny Jasani from the Department of Neonatology received the Dr. AN Supe Award for the best published scientific paper by a faculty member in 2016.
- Two blood donation camps and three health camps were sponsored.
- Student activities such as GOSUMAG, Confluence, and TEDxGSMC were provided financial assistance
- RemoteXs software for anywhere access to library's digital databases for staff and post graduate students was made available.
- Alumni & staff members' dinner was organized.

- Rs. 50000/- each was given to six needy patients of KEM Hospital as financial support for implants from R G Manudhane Funds.
- Maintenance and upgrading of Archives has been done throughout the year.
- Activities of Dr. Manu VL Kothari chair of medical humanities have been supported throughout the year.
- Series of Orations under ORACON were held
- Ladies Common Room renovation project has been undertaken with munificent donation from Indira Foundation and R.G. Manudhane Funds. It is expected to be completed by January 2018.

GSMC Gymkhana

- 'Viva Las Vegas, AAVISHKAAR', the annual college fest was organized from March 8th – 11th, 2017, under the Chief Core Coordinator Advait Patankar and Treasurer Afrid Jaipri
- TEDxGSMC was organized on 26th April 2017 under the Licensee Aveek Agrawal and Event Manager Parth Gada
- 'CONFLUENCE' - a three day, all India, UG medical conference was held from 27th to 29th July 2017, under Academic Secretaries Alhad Mulkalwar and Mohita Bafna
- 'ASCENSION' - a first ever Medical Humanities Conference was held on 24th July 2017, under Medical Humanities Secretaries Nikit Kothale and Mehreen Mir, in association with Dr. Manu V. L. Kothari Chair of Medical Humanities and Division of Medical Humanities
- 'AARAMBH': Orientation session was organised for the newly admitted batch of MBBS, OT and BPMT courses, giving them a campus orientation
- 'RENDEZVOUS': A meeting of juniors and seniors was organised as a part of measures taken to reduce ragging and promote a healthy interaction.
- COLLEGE WEEK and FRESHERS WEEK were organised by the Cultural Departments (PA and FA) with events like DJ night, GS Khoj, Dandiya night, Talent Hunt, Face painting competition etc.
- The college magazine, 'GOSUMAG' was released on 25th April 2017 under the Chief Editor Charulata Naik and Co-Editor Ishita Mishra
- The official GSMC and KEMH newspaper 'THE LARYNX' was released on 24th August 2017, under the Secretaries Kunjal Gala and Suraj Rathod
- Book donation week was organised with addition of 25 new books to the library
- On the occasion of World Physiotherapy Day, Physiotherapy week was celebrated. The theme was 'Physical activity in life'
- Teacher's Day celebration with various performances and games was organised in Occupational Therapy Department

Achievements

- The room besides gymkhana was renovated as Conference room and was inaugurated by Dr. Avinash Supe, Dean, Seth GSMC
- Ten User IDs and Passwords for accessing the RemoteX database were distributed among students in all batches to assist them in Research.
- A Gymnasium was set up in Main Boys Annex Boys Hostel
- Tennis, Basketball and Volleyball courts: Repair of Floodlights and fencing was done.
- Library was made available to the students 24x7

Awards and Honors

GSMC Students won many awards and prizes in events

1. MUHS Table tennis
 - o Ashay Patil
 - o Chiranjeevee Gharde
2. MUHS Lawn Tennis
 - o Tanvi Hirekerur
3. MUHS Badminton
 - o Ravikumar Keswani
4. Iron Man Triathlon
 - o Sumedh Wavhal
5. Symposium
 - o GSMC students bagged prizes in BJMC, SKNMC and GSMC

Community Care

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

Future Plans

- Putting up maps across the campus for better orientation of the hospital areas to patients
- Renovation of BCR
- To ensure easy access to all OPD timings, locations of OPDs/Wards to all students, staff and patients by introducing a mobile app
- Renovation of Purandare stadium will be done by MCGM

GSMC MUHS UNESCO Bioethics unit

Highlights & Achievements:

- **International participation** - Head of Bioethics Unit, Dr. Santosh Salagre and two student wing members Sayali Kalzunkar and Prajakta Kulkarni attended the UNESCO Chair in Bioethics 12th World Conference on Bioethics, Medical Ethics & Health Law from March 21-23, 2017 at Limassol, Cyprus. Dr. Salagre presented a paper on 'Bioethics Education Through Communication Skills Enhancement Workshops for Postgraduate Students'. The student wing members presented papers on Competitive Learning and Role of Media in Bioethics education.
- **Publication** - Annual bulletin of the unit, "INARCH" based on the theme "Equality, Justice and Equity" was released during the World Bioethics Day celebration on 12th October 2017.
- **Faculty Development** - GSMC MUHS UNESCO Bioethics Unit organized 3T-IBHSc bioethics training program for Steering Committee members of Bioethics Units of MCGM run medical and dental colleges from 27th February to 1st March 2017. 63 faculty members participated in the training. The accredited 3T-IBHSc bioethics training program has been designed to introduce Medical, Dental and Health Science teaching faculty of Universities and Colleges to teaching the modern Vertically Integrated Bioethics Curriculum based on the core curriculum
- **World Bioethics Day Celebrations** - The GSMC MUHS UNESCO (GMU) Bioethics Unit celebrated the second World Bioethics Day on 12th October 2017. Poster Exhibition on "Equality, Justice and Equity and Healthcare" was inaugurated in the morning. Keynote address by Chief Guest, Dr. Ambdekar and Panel Discussion on the theme "Equality, Justice and Equity in Healthcare" were some of the activities conducted during the day.

Education

- Various teaching activities were conducted by the Unit for Interns (3/3/2017) and MBBS/ OT / PT students (3/2/2017). The modules as per UNESCO curriculum were covered during this training.
- **Dr. Padmaja Marathe**- Conducted sessions on topics related to "Research Ethics" in national workshops and in research Methodology regional workshops organized by Maharashtra University of Health Sciences, Nashik.
- **Dr. Santosh Salagre** - Guest speaker at World bioethics day celebrations organized by Bioethics Unit of T N Medical College, Mumbai on 11th October 2017, delivered a talk on 'Equality, Justice and Equity'

Participation in national level bioethics training

- Dr. Santosh Salagre participated as accredited training faculty at 3T- IBHSc Training Workshop for health science faculty organized by the Indian Program of UNESCO Chair in Bioethics (Haifa) at -
- Velammal Medical College hospital and Research Institute, Madurai from 3rd to 5th July 2017.
- Chennai Medical College hospital and Research Centre, Tiruchirappalli from 6th to 8th July 2017.
- Baba Farid University of Health Sciences, Faridkot, Punjab from 4th to 6th December 2017.

Students' wing activities

- An essay competition was organized for MBBS, OT, PT, Nursing, PG students and all faculty of GSMC on Tuesday, 3rd October 2017. A total of 96 faculty and students participated in the competition.
- Blending with the theme of World Bioethics Day 2017 – "Equality, Justice and Equity", the GSMC MUHS UNESCO Bioethics unit held a poster competition for Undergraduates Postgraduates students of all disciplines, Faculty & Seth GSMC and KEMH employees. A total of 59 participants submitted the posters.
- A street play competition for undergraduate students of all MCGM Medical and Dental colleges was organized. There were four entries including two from Seth GSMC and one each from TNMC and LTMMC.
- A short film making competition for undergraduate students of all MCGM Medical and Dental colleges on this year's

World Bioethics theme “Equality, Justice and Equity” was organized. There were seven entries including six from Seth GSMC and one from TNMC.

As part of World Bioethics day 2017 celebration Ebate – the ethics debate was organized for all undergraduate students of Seth GSMC & KEM Hospital. A total 12 teams consisting of two members each participated

Hospital Infection Control Committee

The infection control committee is headed by Dean (G & K), Dr. Avinash Supe as the chairperson. The other members include DD (I), DD (II), Dr. Preeti Mehta, Prof. & Head (Microbiology), Dr. R.R. Satoskar, Prof. & Head, General Surgery, Dr. Atul Goel, Prof. & Head (Neurosurgery), Dr A.R Pazare, Prof. & Head, (Medicine), Dr. Mukesh Agrawal, Prof. & Head (Pediatrics), Dr. Ruchi Nanavati, Prof. & Head (Neonatology), Dr. N.B Agarwal, Prof. & Head, CVTS, Dr. Vinita Puri, Prof. & Head (Plastic Surgery), Dr. Amita Athavale, Prof. & Head (Chest Medicine), Dr. Nirmala Rege, Prof. & Head, Pharmacology, Dr. S.V Parelkar, Prof. & Head (Pediatric Surgery), Dr. Indrayani Chincholkar, Prof. & Head, Anaesthesia, Dr. S.K Patwardhan, Prof. & Head, Urology, HOD Ophthalmology, Dr. Hetal Marfatia, Prof. & Head (ENT), Dr. Chetan Kantharia, Prof. & Head, GI surgery, Dr C.T Deshmukh (Prof. Pediatrics), Dr. Gita Nataraj (Convener, Microbiology), Dr. Kembhavi (PSM), Dr. Sujata Iyer (Orthopedics), Dr. Smita Diwate (Pathology), Dr. Himangi Warke (Gynaecology), Dr. Girish Sabnis (Cardiology), Dr. Arpit Sharma (ENT), Dr. Padmaja Marathe (Pharmacology), Dr. Tukaram Jhamle (Nephrology), Superintendent of Pharmacy, Matron, Infection Control Nurse, Suptd. Of Pharmacy, Security Officer, A.E (M & E), A.E (Civil) and Ms Sarika Pachkude (HIC coordinator).

Six meetings were held during the year.

Policy overview -

- Operation theatre cleaning and Disinfection protocols CVTS, OBGY and Orthopedics
- ICU – Infection Control Protocols, Neonatology
- Antibigram – Pediatrics
- Antibigram – Sepsis, Intra-abdominal infections, Abscess and Osteomyelitis
- Antibigram – Chest medicine and respiratory specimens from other units

The following activities were undertaken:

- Awareness on BMW Management Rules, 2016 for all categories of staff
- Hand Hygiene Awareness week and Audit
- Hepatitis B vaccination drive for labour staff – Phase 1 (more than 1000 labour staff have been vaccinated)
- Point awareness on preventing needle stick injuries and biomedical waste management
- MRSA surveillance (Targeted)
- Facilitated training by Swedish Consulate personnel on Wound Care for nursing staff

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

Both committees presently function according to the requirements laid down in Schedule Y and is guided by the ICH GCP guidelines for Good Clinical Practice, ethical principles set forth in the Declaration of Helsinki and the Ethical Guidelines for Biomedical Research on Human Subjects laid down by the Indian Council of Medical Research. A total of 23 meetings (9 full board meetings and 44 SAE Subcommittee meetings) were held in the year 2017. A total of 17 pharmaceutical sponsored projects, 1 government sponsored project, 63 other academic projects and 59 thesis/dissertations were submitted to the IEC-I for initial review during the year. None of the projects were approved at first submission as there were scientific and ethical lacunae in the submitted protocols. The comments by the IEC-I members, pertaining to modifications in the protocol were sent to investigators. The answers to IEC-I comments were then reviewed and the project was granted approval. Following is the status of the projects submitted to the IEC-I in the year 2017

Year 2017	Projects reviewed	Under Process	Approved
Pharmaceutical sponsored projects	17	16	1
GOVT sponsored projects	1	1	0
Thesis	59	25	34
Other Academic	63	31	32
Total	140	73	67

In regards to sponsored studies:

	Year 2017	PHARMA	GOVT
I	Total no. of projects reviewed by IEC-I	17	1
III	Type of study	Phase I	-
		Phase II	-
		Phase III	-
		Phase IV	-
		BABE	-
		NA	1

Serious Adverse Events:

Total 44 SAE meeting held in year 2017						
Particulars			Pharma	Govt	OA	Thesis
1	Total no. of SAE at our site:	Initial report	7	6	-	-
		Follow up report	8	5	-	-
		causality	-	-	-	-
2	Total no. of death		1	2	-	-
3	Our site late reporting (after 24 hours)			-	-	-
4	Responses (query) from EC regarding our site SAEs	Query letters sent	16	-	-	-
		Noted letters sent	22	-	-	-
7	Total no. of Adverse Events (AE) reported			-	-	-
8	Total no. of SUSAR/CIOMS reported:		2978	-	-	41

Status of the ongoing sponsored projects of IEC-I as on 20th Dec 2016 n = 444

Year	Pharmaceutical sponsored projects	GOVT sponsored projects	Other Academic projects	Thesis	Total
2004	0	1	0	0	1
2007	0	1	0	0	1
2010	0	1	0	0	1
2011	1	1	0	0	2
2012	2	1	0	0	3
2013	1	5	2	20	28
2014	2	3	8	36	49
2015	2	2	29	87	120
2016	5	3	49	113	170
2017	1	0	32	34	67

Status of the projects submitted to the IEC-II in the year 2017

Year 2017	Total reviewed projects	Under Process	Approved
PHARMA	0	0	0
GOVT	4	2	2
Thesis	59	21	38
Other Academic	68	33	35
Total	131	56	75

Status of the ongoing academic projects as on 20th Dec 2017

Year	Pharmaceutical sponsored projects	GOVT sponsored projects	Other Academic projects	Thesis	Total
2009				1	1
2010			2		2
2011			1		1
2012			4		4
2013	2	1	3	55	61
2014		2	8	32	42
2015	1		10	67	78

Year	Pharmaceutical sponsored projects	GOVT sponsored projects	Other Academic projects	Thesis	Total
2016	3	3	36	107	149
2017		2	35	38	75
Total	6	8	99	300	413

Total projects reviewed by the IEC-I & II in the year 2017

	Departments	Pharma	Govt	Thesis	Other Academic
1.	Anesthesia	-	-	14	15
2.	Anatomy	-	-	-	
3.	Biochemistry	-	-	-	3
4.	Cardiology	3	-	2	-
5.	Clinical Pharmacology	-	1	-	4
6.	Chest Medicine	-	-	6	-
7.	CVTS	-	-	-	-
8.	Dermatology	-	-	5	7
9.	Dentistry	-	-	-	1
10.	Endocrinology	2	1	-	10
11.	ENT			5	
12.	Forensic Medicine				
13.	Gastroenterology	2			8
14.	General Surgery			9	3
15.	Hematology				1
16.	Medicine	1		1	5
17.	Microbiology			8	5
18.	Neurology	1			
19.	Neuro surgery				
20.	Neonatology				7
21.	Nephrology	1			1
22.	Nuclear medicine				1
23.	Obstetrics and Gynecology	1	1	17	7
24.	Orthopedics	1		3	2
25.	Ophthalmology	1		3	
26.	OT			10	
27.	Pathology			2	
28.	Pediatrics	1		8	4
29.	Pediatrics surgery				
30.	Plastic Surgery				2
31.	Psychiatry		1	2	8
32.	PSM		1	13	17
33.	Pharmacology & Therapeutics			2	9
34.	Physiology				4
35.	PT				1
36.	Radiology			7	1
37.	Social Service				
38.	Surgical Gastroenterology				
39.	Transfusion Medicine			1	3
40.	Urology	2			2
	Total Reviewed	16	5	118	131

Constitution of IEC-I

Sr. No.	Name	Position on IEC-I	Designation & Affiliation	Qualification	Gender
1.	Dr. Padmavathy Menon	Chairperson (External)	Consultant Endocrinologist, Jupiter Hospital, Thane & LH Hiranandani Hospital, Powai, Mumbai.	M.D.	F
2.	Dr. Sharmila Jalgaonkar	Member Secretary	Associate Professor (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.	M.D.	F
3.	Dr. Smrati Bajpai	Member	Assistant Professor (Medicine) Seth GS Medical College and KEM Hospital Mumbai.	M.D., DNB.	F
4.	Dr. Yashashri Shetty	Member	Assistant Professor (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.	M.D., DBM.	F
5.	Dr. Uma Jadhav	Member (Social scientist)	Community Development Officer (Social Services) Seth GS Medical College and KEM Hospital Mumbai.	M.S.W., L.L.B, Ph.D (Health Systems Studies)	F
6.	Ms. Veena Johari	Member (External Legal Expert)	Independent Lawyer	L.L.B.	F
7.	Mrs. Gitaali Pawaar	Member (External Lay person)	Trustee / Chairperson, Little MORE Charitable Trust, Mumbai.	B.A., D.C.A., PGDEM, M.E.M.	F
8.	Dr. Kaizad Damania	Member (External Scientific Expert)	Professor (Obstetrics & Gynaecology) N. Wadia Maternity Hospital, Mumbai.	M. D., DNB., F.C.P.S., D.G.O., D.F.P.	M
9.	Dr. Rujuta Mehta	Member (External Scientific Expert)	HOD Paediatric Orthopaedic, Bai Jerbai Wadia Hospital for children, Mumbai.	M.S., DNB.	F
10.	Dr. Sona Dave	Member (External Scientific Expert)	Professor, (Anesthesiology) TNMC & BYL Nair Charitable Hospital, Mumbai.	M.D., DA., DNB	F
11.	Dr. Sharad Patel	Member	Associate Professor (Adhoc) (Physiology) Seth GS Medical College and KEM Hospital Mumbai.	M.D.	M
12.	Ms. Jaimala Shetye	Member	Associate Professor (Physiotherapy) Seth GS Medical College and KEM Hospital Mumbai.	MPTh	F
13.	Dr. Alka A. Subramanyam	Member (External Scientific Expert)	Assistant Professor (Psychiatry) TNMC & BYL Nair Charitable Hospital, Mumbai.	M.D., D.N.B., DHA.	F
14.	Dr. Urmila Thatte	Member	Professor & Head (Clinical Pharmacology) Seth GS Medical College and KEM Hospital Mumbai.	M.D., DNB., Ph.D.	F

Constitution of IEC-II

	Name	Position on IEC-II	Designation & Affiliation	Qualification	Gender
1.	Dr. Sangeeta Desai	Chairperson (External)	Professor and Office in Charge, Molecular Pathology, Tata Memorial Centre, Mumbai.	M.D., DTM.	F
2.	Dr. Snehalata Gajbhiye	Member Secretary	Assistant Professor (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.	M.D., FICS.	F
3.	Dr. Yuvaraj B. Chavan	Member	Professor (Additional) (PSM) Seth GS Medical College and KEM Hospital Mumbai.	M.D.	M
4.	Dr. Shobha Itollikar	Member (External)	-	M.D., D.N.B.	F
5.	Dr. Padmaja Marathe	Member	Professor (Additional) (Pharmacology & Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.	M.D.	F

	Name	Position on IEC-II	Designation & Affiliation	Qualification	Gender
6.	Dr. Nilesh Thakre	Member (External Social Scientist)	Assistant Professor, Psychology, SNDT Women's University, Mumbai.	Ph.D. Psychology, M.A (Industrial & Business Psychology), M.I.R.P.M., M.A. (Clinical Psychology), N.E.T in Psychology, PGDIP, Dip TD.	M
7.	Dr. Subodh Sirur	Member (External Legal Expert)	Consultant, Dermatology & Venerology, Mahatma Gandhi Memorial Hospital, Mumbai	MBBS, DVD, LLM	M
8.	Ms. Leena Pednekar	Member (External Lay person)	Chief Dietician, Mahatma Gandhi Memorial Hospital, Mumbai.	P.G. in the area of Dietetics and Applied Nutrition.	F
9.	Dr. Padmaja Samant	Member	Professor, (Obstetrics & Gynecology) Seth GS Medical College and KEM Hospital Mumbai.	Professor, (Obstetrics & Gynecology) GSMC & KEMH	F
10.	Dr. Santosh Kondekar	Member (External)	Associate Professor, (Pediatrics) Topiwala National Medical College and B. Y. L. Nair Charitable Hospital, Mumbai.	M.D., D.N.B., D.C.H., F.C.P.S., F.M.E.	M
11.	Dr. Sujata Aiyer	Member	Associate Professor, (Orthopedics) Seth GS Medical College and KEM Hospital Mumbai.	M.S., F.R.C.S.(UK), General Medical Council (UK), ECFMG.	F
12.	Dr. Sweta Salgaonkar	Member	Professor (Anesthesiology) Seth GS Medical College and KEM Hospital Mumbai	M.D.	F
13.	Dr. Sunil Kuyare	Member	Assistant Professor, (Microbiology) Seth GS Medical College and KEM Hospital Mumbai.	M.D., PGDHA, FME.	M
14.	Dr. Shilpa Adarkar	Member	Assistant Professor, (Psychiatry) Seth GS Medical College and KEM Hospital Mumbai.	M.D.	F
15.	Mrs. Chhaya Verma	Member	Professor and Head (Physiotherapy) Topiwala National Medical College and B. Y. L. Nair Charitable Hospital, Mumbai.	MPTH	F

Alternate Members of IEC-I & IEC-II as on 20th Dec 2016

	Name	Position on IEC-II	Designation & Affiliation	Qualification	Gender
1.	Dr. Pradnya Talawdekar	Alternate Member (External legal Expert)	Project Manager, Ojus Medical Institute, The Tulip Star, Juhu Tara Road Juhu, Mumbai.	B.A.M.S., L.L.M.	F
2.	Mrs. Sushma Singh	Alternate Member (External legal Expert)	-	B. Pharm. LL.B. LL.M Certificate in Alternative Disputes Resolution (ADR)	F
3.	Ms. Nivedita Chalill	Alternate Member (External Social Scientist)	-	M.A., Ph.D., M. Phill in social work, B.Sc (Occupational Therapy), PG Dip in Guidance & Counseling.	F
4.	Dr. (Mrs.) Helen Joseph	Alternate Member (External Social Scientist)	-	M.S.W., M. Phil., Ph.D.	F
5.	Mrs. Sharmila Kher	Alternate Member (External Layperson)	-	M. SC. Part 1 (Biotechnical science), Dip. In Journalism, PGDHA	F
6.	Mrs. Manisha Naik Dalal	Alternate Member (External Layperson)	-	M.Com	F
7.	Mrs. Manju Manda	Alternate Member (External Layperson)	Section officer Railways	B.Sc. Pharmacy	F

IEC-I & II Office bearers

- Mrs. Janhavi Katkar, Administrative Manager, (nayanvkatkar@gmail.com)
- Ms. Manali Vengurlekar, Executive Assistant, IEC-I
- Ms. Manasi Lad, Executive Assistant, IEC-I& SAE Subcommittee
- Ms. Shweta Surve, Executive Assistant, IEC-II
- Ms. Prajakta Auti, Executive Assistant, IEC-II & SAE Subcommittee
- Mr. Mangesh Khochade, Office Attendant
- Mr. Vijay Chavan, Office Attendant
- **Contact details:** Email: iec-1@kem.edu, iec-2@kem.edu, Tel: 24122188, 24107515, Ext. no. 7515

Journal of Postgraduate Medicine [JPGM]

Journal of Postgraduate Medicine (JPGM) (Print ISSN 0022-3859, E-ISSN 0972-2823), is a quarterly peer-reviewed international biomedical journal published under the auspices of the Staff Society of Seth GS Medical College and KEM Hospital, India. The journal is published by Wolters Kluwer India Private Limited. JPGM promotes published papers by electronically supplying the records to the National Library of Medicine at the time of online publication, making it sure that the citations are retrievable from MEDLINE as early as possible. Similarly, the citations in MEDLINE are cross linked from the official site of MEDLINE to the journal's site, thus the readership of published articles is increased many folds. The journal is registered with the following abstracting partners: Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Exlibris – Primo Central, Google Scholar, Hinari, Infotrieve, Journal Guide, National Science Library, Open J Gate, ProQuest, TdNet, AMED, MOSBY YEARBOOK. The journal is indexed with, or included in, the following: DOAJ, EMBASE/ Excerpta Medica, Index Copernicus, Indian Science Abstracts, Ind Med, MEDLINE/Index Medicus, PubMed Central, Scimago Journal Ranking, SCOPUS, Science Citation Index Expanded, Web of Science. Currently the journal is in its 63rd year of being published. Its Impact Factor® as reported in the 2016 Journal Citation Reports® (Thomson Reuters, 2017) is 0.912. 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 Mrs. Mariya Jiandani, Dr. Sweta Salgaonkar and Dr. Shilpa Sankhe (Assistant Editors). The achievements of the journal for this year have been: (i) All 4 issues have been published on time; (ii) 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

It is organised jointly by DDE, DJST, GOSUMEC Alumni Association, Research Society and Staff Society.

ORACON 17: 20th January, 2017- MLT

- Dr. U.K. Sheth Oration delivered by Dr Shiv Kumar Sarin on “Current and future therapies for Hepatitis B.” Chairperson: Dr. Shobna Bhatia, Dr. Prabha Sawant
- Dr. Sindhu R Pandit Oration delivered by Dr. Krishna G. Seshadri on “Teaching Doctors to be Humans and Professionals: Experience from a road less travelled.” Chairperson: Dr. Lopa Mehta, Dr. Sunil Pandya

ORACON 17: 19th April, 2017- MLT

- Dr. M.D. Motashaw Oration delivered by Dr. Kumud Mehta on “Paediatrics Nephrology in India: past, present and future.” Chairperson: Dr. Alan Almeida, Dr. CT Deshmukh
- Dr. T.O. Shah Oration delivered by Dr. Prabodh Karnik on “Brand equity of being an ENT surgeon from KEM.” Chairperson: Dr. Milind Kirtane, Dr. Jyoti Dabholkar

ORACON 17: 16th August, 2017- MLT

- Dr. Ivan Pinto Oration delivered by Dr. Thomas Alexander on “Developing a heart attack management program in India- The STEMI India model” Chairpersons: Dr Surendra Soneji, Dr. Satyavan Sharma.
- Dr. V.N. Bagadia Oration delivered by Dr. Palaniappun Vaiapuri on “Lateral Thinking and Creative Mind”. Chairpersons: Dr. Ajai Singh, Dr. Prasad Nayak

Poor Box Charity Fund

Dr. S. P. Dandekar is the secretary of Poor Box Charity Fund (PBCF). PBCF was institute 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, Siddhi Vinayak Trust, Mahalakshmi Trust, Mahalakshmi Trust, Saibaba Sansthan, Shirdi, etc. The money is used for poor and deserving patients after necessary sanctions are obtained. Money is also deposited for performing certain procedures or tests.

Research Society

The office bearers and executive committee members of Research Society are as follows:

- Hon. President: Dean & Director Dr. A N Supe,
- Hon. Vice President: Dr. Manjula Sarkar,
- Hon. General Secretaries: Dr. C Sathe, Dr. N. Sawant,
- Hon. Treasurer: Dr. M. G. Karmarkar
- Executive Committee members: Dr. SH Ravat, Dr. RR Shinde, Dr. L Rajgopal, Dr. L Chandan, Dr. R Tripathi, Dr. K Joshi, Dr. J Kale, Dr. B Mhatre

Research grants:

- Rs. 50000/- each were given to Dr. Akash Shukla & Dr. Shobna Bhatia [Gastroentrology], Dr. Gita Nataraj [Microbiology], Dr. D G Kurlle [Pharmacology], Dr. Sandhya Kamat [Pharmacology], Dr. R Nanavati [Neonatology] in the first set 2017
- Rs. 75000/- were given to Dr. Sunil Kuyare [Microbiology], Dr. Sharmila Jalagaonkar [Pharmacology], Dr. Shobna Bhatia [Gastroentrology], Dr. P Bhuiyan [Anatomy], Dr. V Torane [Microbiology] in the second half of 2017

Educational Grant:

- Rs. 25000/- was sanctioned for the scientific program for UG students Confluence 2017
- Rs. 31400/- was sanctioned as a contribution for Remotexs software
- Rs. 10000/- was sanctioned to Mrs. Safala Mahadik- Dietician for Ketogenic Diet Online Course.

Research Society has received grants in 2017 for ongoing and new projects under taken by various departments viz Cardiology, Neurology, Clinical Pharmacology and Pediatrics.

Staff Society

- *Executive Committee members and office bearers of Staff Society during the period from January 17 to July 17:* Dr. Avinash N Supe – President, Dr. Amita Joshi- Vice President, Dr. Surekha Prabhu-Treasurer, Dr. Jaimala Shetye - Hon. Secretary, Dr. Santosh Salagre- Hon. Jt. Secretary & Dr. Sunil Karande - Editor JPGM
- *Executive Committee Members:* Dr. Harish Gaikwad, Dr. Venkatesh Rathod, Dr. Priyanka Prasad, Dr. Yashashri Shetty, Dr. Ravindra Deokar, Dr. Sujata Lavangare, Dr. Heena Merchant, Dr. Tukaram Jamale, Dr. Aakash Shukla, Dr. Surendar Bava, Dr. Neelam Sathe, Dr. Suchin Dhamnaskar, Dr. Kapil Agrawal, Dr. Meena Satia & Dr. Sweta Salgaonkar.
- *New Executive Committee members and office bearers of Staff Society from August 2017:* Dr. Avinash N Supe – President, Dr. Uday Khopkar - Vice President, Dr. Sujata Lavangare - Treasurer, Dr. Santosh Salagre - Hon. Secretary, Dr. Padmaja Samant - Hon. Jt. Secretary & Dr. Sunil Karande - Editor JPGM
- *Executive Committee Members:* Dr. Harish Gaikwad, Dr. Venkatesh Rathod, Dr. Priyanka Prasad, Dr. Yashashri Shetty, Dr. Ravindra Deokar, Dr. Heena Merchant, Dr. Neelam Sathe, Dr. Suchin Dhamnaskar, Dr. Kapil Agrawal, Dr. Sweta Salgaonkaria, Dr. Gwendolyn Fernandes, Dr. Rekha Dhamnaskar, Dr. Kokila Kamath, Miss. Shweta Joiode

During period from January 2017 - Dec 2017, 5 Monthly Scientific meetings were organized.

- *Staff & PG paper & e-poster presentations:* 204th Meeting held on 20th November 2017: PG Paper / E-poster presentation competition was held in which entries from the departments of Ped. Surgery, Gastroenterology, Pediatric Anesthesia, Clinical Pharmacology, GI Surgery Microbiology, Pulmonary Medicine, Psychiatry & Pharmacology were selected. Judges for Super Specialty PG paper/E-poster presentations were Dr. Alan Almeida, Ex Prof & Head, Nephrology, Dr. Vinita Puri HOD-Plastic Surgery & Dr. Pradeep Vaideeshwar – Addl. Prof Pathology. Judges for Specialty PG paper/E-poster presentations were Dr. Lakshmi Rajgopal, Addl. Prof. Anatomy, Dr. MY Nadkar Prof Medicine & Dr. RY Prabhu, AP- GI surgery.

Awards

- *Super Specialty PG Paper* -1st prize for “Role of Magnetic Resonance Elastography in assessment of liver fibrosis in patients with Non-Cirrhotic Portal Fibrosis” Dr. Sangeet Sawrav- Gastroenterology. 2nd prize for “Study of quality of life

and factors affecting surgical outcome in patients of ulcerative colitis” Dr. Vikram Rao –GI Surgery

- *Specialty PG Paper* - 1st prize for “Operation theatre protocol with respect to disinfection practices - a pilot study of hospitals in Mumbai” – Dr. Pinaki Patil -Microbiology
- *Super Specialty PG E-Poster* -1st prize for “A prospective, randomized study comparing the efficacy and safety of adhesive strip (Steri-Strips TM) fixation versus subcutaneous tunneling for securing epidural catheters in pediatric patients” Dr. Ketan Kulkarni -Ped. Anesthesia. 2nd Prize for “A one-year audit of studies registered retrospectively with the Clinical Trials Registry of India [CTRI]” Dr. Amit Birajdar -Clinical Pharmacology
- *Specialty PG E-Poster* -1st prize for “Adherence of observational studies published in Indian journals to STROBE Statement” – Dr. Vetrivel Babu -Pharmacology
- Executive Committee Meetings: 9 & Annual General Body Meeting: 1 (2nd August 2017 in MLT)
- Annual dinner on Foundation Day: Friday, 20th January 2017: Contributory Annual Dinner was organized by the Staff Society with entrainment program followed by Games and dinner in College lawn. All the participants of annual dinner were presented postal stamp envelope.
- *Mementoes*: Staff Society has mementoes like Album with postal stamp & new mugs for sale.

Telemedicine Project Management Unit (TPMU)

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

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

Chairperson: Dr. Avinash Supe (Dean, KEM Hospital)

Members:

- Dr. Kamakshi Bhate, Additional Professor, Preventive and Social Medicine Department.
- Dr. Milind Tullu, Additional Professor, Pediatrics Department.

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

In the period January 2017 - November 2017 a total of 7992 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 2017-November 2017

Sr. No.	District	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Total
1	Akluj	19	21	8	5	5	1	60	26	28	4	15	192
2	Alibaug							2					2
3	Amravati		1		2						2		5
4	Aundh	26	35	15	3	5	6	2	2	20	10	19	143
5	Bhandara						1						1
6	Chandrapur	1	2	2								1	6
7	Chikhaldara	7		1								2	10
8	Chopada	2			1		1	8	37	21	2		72
9	Dharani											1	1
10	Gadchiroli	39	41	31						1			112

Sr. No.	District	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Total
11	Gondia	40	22	71	12	17	12	36	6	27	13	15	271
12	Gadhinglaj					1	2				2	1	6
13	Ghoti	6	66	17									89
14	Hingoli		3										3
15	Islampur	41	48	48	16	21	21	32	25	32	21	31	336
16	Jalana					1							1
17	Kalvan	85	87	52	31	39	31	75	53	95	38	61	647
18	Kamthe	21	11	6	13	27	3	41	25	11	23	21	202
19	Karanja					2	1			1			4
20	Malegaon						13	2	7	1			23
21	Mangaon				1								1
22	Nandurbar	109	87	95	110	196	106	20	3			39	765
23	Nanded	3	8	8									19
24	Navapur				23	18	18	27	21	28	9	26	170
25	Nashik				7	9	1			2	1	26	46
26	Osmanabad	22	21	29	7	5	21	9	19	15	37	36	221
27	Parbhani	2	26	23	25	30	20	8	24	13	14	34	219
28	Ratnagiri	85	81	60	54	50	30	50	62	60	48	100	680
29	Ramtek	9	16	6									31
30	Satara	5									3		8
31	Sawantwadi	130	168	72	76	101	57	83	58	58	63	83	949
32	Shahapur	76	60	78	91	140	53	150	141	121	128	147	1185
33	Shegaon	9		1		11	11	8	4	5	5	5	59
34	Shirpur	33	22	13	3	10	2	1	1	1	2	11	99
35	Sindhudurg	47	65	52	131	151	96	128	90	120	82	148	1110
36	Thane	48	40	20	34	44	32	57	43	54	35	37	444
37	Umarga	1	1			1							3
38	Wardha	32		4									36
39	Warora				1								1
40	Washim				1								1
	Total	717	932	712	647	884	539	799	647	714	542	859	7992

Telemedicine Project - KEM Hospital with SJPGI Lucknow, SRMC Chennai, TATA Memorial Hospital (Mumbai) & Burla

Monthly C.M.E. Time table in Year 2017-18 (Jan -Nov -2017)

Sr. No.	C.M.E. Date	C.M.E. Time	Topic	Name of Speaker (Specialist Doctors)
1	14/01/17	8.30am	Clinical Grand Round	Dr. Atul Sonkar
2	20/01/17	8.30am	Adsorption Elution- Principal Method and use	Dr. Choudhari
3	08/02/17	8.30am	Regent Red Cell Panel	Dr. Atul Sonkar
4	03/03/17	8.30am	Therapeutic Phlebotomy	Dr. Atul Sonkar
5	04/04/17	3.00pm	Case Discussion	Dr. Tushar Bandgar
6	12/04/17	8.30am	Platelet additive solution (PAS)	Dr. Choudhari
7	03/05/17	8.30am	Fibrinolytic system; role in heamestasis	Dr. Katharia
8	26/07/17	8.30am	Evolution of patient with suspected refractory state	Dr. Choudhari
9	08/09/17	8.30am	Investigating polyagglutination; role of lectins	Dr. Atul Sonkar
10	11/10/17	8.30am	TPE in Myasthenia Gravis; approach to a case	Dr. Atul Sonkar
11	24/11/17	8.30am	Sickle Cell Disorder; role of Transfusion Medicine	Dr. Choudhari

Women's Development Committee

- Established in November 2006. Comprised of representatives from the various cadres of teaching, non-teaching, nursing, clerical, labor staff and medical students.
- Current office bearers are Dr. Avinash Supe [President], Dr. Neena Sawant [Chairperson], Dr. Ameet Fadia [Member], Dr. Ravindra Deokar [Member], Dr. Yogita Patil (Member), Dr. Mridula Solanki [Member], Dr. Siddhi Chikhalkar [Member], Ms. Rupali Borkar [Member], Ms. Sadhna Bhatkhande [Member], Shri Tanay Dixit [Member], Smt. Anjali Kharkar [Member], Smt. Neha Dabholakr [Member], Smt. Manasi Parab [Member], Smt. Sharayu Naik [Member], Smt. Meenakshi Dongre [Member], Shri Sanjay Khare [Member]. The WDC is looking after the welfare of women employees and students.

It has conducted the following activities this year

- i. 17th January 2017: Haldi Kumkum program with best dressed competition and games for staff & students.
- ii. 22nd Feb 2017: As a part of celebrations of the Marathi Diwas a thesaurus competition was organized for students where Marathi words for various terminologies in the administrative and medical fields were to be written. 3 prizes given. 90 students participated.
- iii. 15th March, 2017 (International Women's day): Guest talks on WOMAN IN THE CHANGING PLACE OF WORK: PLANET 50:50 BY 2030" by Dr. Nandini Diwan, Mrs. Varsha Upadhyay, Ms. Alka Dhupkar.
- iv. 11th July 2017: A program on Social Media: Boon or Bane by Dr. Avinash Desousa.
- v. 8th Aug 2017: Talk on Understanding Mutual Fund Investments by Anjali Deshpande
- vi. 4th October 2017: Health impacts of wireless radio frequency Radiation by Dr. Vikas Nehru, UAE
- vii. 18th December 2017: Talk on How to Use Your Smartphone Smartly by Mr. Paresh Chitnis.

Support Services

Support Services

Diet Department

Diet and Linen Store of K.E.M. Hospital plays an important role in providing basic necessities like food, linen and related services to all the IPD patients of this hospital. The five subsections of Diet and Linen are as follows: Diet Office, Kitchen, Linen Store, Laundry & Tailoring.

Diet Office

Diet Dept. Office is controlled by 1 Head Clerk under whom there are three Clerks & four Peons. The activities start in the early morning at 3.30 a.m. and end at 6.00 p.m.

Duties Done by Diet Office

- Preparation of summary sheets, Milk sheets, Bread sheets, Chapati sheets daily.
- Placing Purchase Orders daily for vegetable and grocery as per requirement.
- Receiving supply of Milk, Vegetables & Grocery etc.
- Twice a day Milk distribution to wards is done by Office Peon.
- All dietary items are issued from Diet Office.
- Diet Office also maintain stock of perishable and non-perishable items.
- Ledger Books, Issues, Postings, Balancing & Billing Work is done here.
- In addition, Contract & Billing Work of Nurses Mess of K.E.M. Hospital is also done.

Diet Kitchen

- Diet Kitchen has 2 Dietitians under whom there is 1 Head Cook, 16 Cooks, 9 Cook-mates and 1 Sweeper.
- Diet Kitchen provides entire day's meal to all I.P.D. pts. of the hospital. This includes normal & therapeutic diet as well as liquid and tube fed diet to all wards.
- These services are provided to approximately to 2000 to 2200 pts. daily.
- On Occasions like Diwali, Christmas, Maharashtra Day & Foundation Day of Hospital, Sweet Dish is served to all I.P.D. pts.
- The Kitchen Workers also provide delivery of various diets to food trolleys to all wards situated in Old Building.

Dietitian

There are five posts of Dietitians – 2 for Patient Kitchen, 1 for CVTC, 1 for AKD & 1 for Endocrine Dept.

Some of the duties are undertaken by Dietitians of respective dept. are as follows:

- Diet Kitchen
 1. Regular quality checking of perishable & non-perishable food items.
 2. Menu Planning & Supervision in the Kitchen.
 3. Diet-Planning & Counselling to all referred I.P.D. & O.P.D. pts. of Medicine & Surgery Depts.
 4. To solve problems pertaining to Kitchen.
- AKD Dietitian
 1. Daily Rounds in Dialysis & Transplant wards.
 2. Diet Planning and counselling for Renal OPD & IPD pts.
- CVTC Dietitian
 1. Daily Rounds in ICCU, IRCU & LICU.
 2. Diet Planning & Counselling to all referred I.P.D. & O.P.D. pts. of

Chest Medicine & Cardiac Dept.

- Endocrine Dietitian
 1. Daily Rounds in MICU
 2. Diet Planning & Counselling to all referred I.P.D. & O.P.D. pts. of Endocrine Dept.

Besides this, Post-Graduate Students are being given practical training (Internship) for College-Curriculum & also for R.D. Examination.

Engineering (Civil)

Civil department in KEM hospital manages the day to day CIVIL maintenance of hospital buildings for smooth functioning of Hospital activities in coordination with various departments.

The following major activities are carried out:

- Repairs and renovation of first floor Admin block of the old building; KEM hospital through turnkey project for installation of new DSA machine is completed.
- Repairs and renovation of ground floor for installation of MRI machine through turnkey project for old building, KEM Hospital
- Repairs and renovation of ground floor for installation of PET-CT machine through turnkey project in Nuclear Medicine Department, Orthopedic Hospital building, KEM Hospital
- Construction of “Visawa” for patient’s relatives near gate no. 07 in KEM Hospital campus
- Beautification and improvement of KEM campus through CWC agency available in KEM hospital
- Renovation of staff quarters within KEM Hospital Campus
- Improvement of drainage line in phase wise manner surrounding college campus
- Providing of mosquito proof arrangement to all water tanks so as to abate the nuisance of dengue, malaria
- Major external repairs and terrace waterproofing work of MS building is in progress (90%) completed by the department by Ch.E.(HIC) of MCGM
- Improvement of Bituminous Road from UGPG hostel to main canteen in KEM Hospital

Engineering [Mechanical and Electrical]

- Mechanical and Electrical engineering departments in KEM Hospital manage major activities like repairing and maintaining all medical equipment and machines, lifts, D.G sets, air conditioning systems, electrical fixtures, electrical rewiring, central oxygen, central suction, central N₂O system and fire safety systems

Library

Highlights and Achievements

- Seth G.S. Medical College, Library Subscribed 141 journals, and purchased 145 books. The online access to all journals was made available on Intranet.
- Subscribed medical database, ‘Clinical key’ from Elsevier Co. All the journals from Elsevier Co. including ‘clinics on all subjects’ will be available online & 656 e-journals and 1135 e-books are available online through this Database on Intranet.
- Online access to 182 e-books and 147 e-journals available on “Ovid MD” medical database.
- 162 e-books and more than 2000 e-journals and “Times of India” (1838-2007) are available on “Proquest” medical database. Links are available to all on Intranet.
- 114 books are available in Thieme ebook Library.
- Subscribed following 6 databases online access to all Databases is available on Intranet.
- Clinical key
- Proquest Health & Medical Complete
- Ovid MD
- Acland Anatomy
- Up-to-date
- Thieme book Library
- Arranged QMed Knowledge Foundation workshops for Postgraduate students
- Arranged orientation program for first year undergraduate students on 11th Sep. 2017
- Started New Reading Room at UGPG (Hostel) from 1st Nov. 2017 for our institutional users.

Holdings: Library journals’ holdings are available on the KEM Website on Internet. Updated Library books’ list is available on Webslim on Intranet. Links are given to all online resources of the Library on Intranet webpage, under the broad heading, ‘Library Resources’.

Donation and Grants:

1. Received grant from Central Govt. Rs.25,00,000/- for Books and journals. And Rs. 5,00,000/- for infrastructure. From this grant we have purchased books, journals and furniture.

2. Donation of Rs. 30,000/- was received by MUHS (Nashik). We have purchased and issued 54 books to Undergraduate students.
3. We have received the membership of National Medical Library's ERMED consortia. This has enabled to access 243 online journals.
4. Free Trial access was given to following databases.
 - a. J-gate – Jan 2017
 - b. TEBL (Thieme eBook Library)-Feb.2017
 - c. Topic Article Package Diabetes- July to August 2017.

Looking Ahead: To subscribe more databases such as Clinical Key, Ovid MD, and planning to subscribe more e-resources, so that Doctors will get relevant latest information immediately on Intranet. We have arranged following user training program for Institutional members.

- a. Up to date 2/2/17
 - b. NML 28/4/17
 - c. Ovid MD & 2/8/17
 - d. Clinical key 15/11/17
- It is proposed to purchase an aggregator to access Medical information on one click.
 - Digitalization of old and new reading materials will facilitate the availability of library resources electronically.
 - Proposal put up for Compactors/ Steel trolley type racks i.e. compactors for keeping bound volumes.
 - It saves the space in the Library and more space is available for reading.
 - Proposal put up for purchase of steel chairs for students.

Library Committee:

The Library Committee is an advisory committee with the following members

- Dr. A.N.Supe The Director (ME&MH)
- Dr. Gita Natraj Prof.I/c,Library
- Dr. S. V. Parulekar Member
- Dr. P Bhuiyan Member
- Dr. Nalini Shah Member
- Dr. Amita Mehta Member
- Dr. C. T. Deshmukh Member
- Dr. Nithya Gogtay Member
- Dr. Nirmala Rege 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 medicines procured by the medical and general stores are approved by the pharmacy department.
- This department conducts procurement, storage and distribution of medicines to various ward, departments and operation theatres.

Pharmacy

Highlights and Achievements

- World Pharmacist day was celebrated on 25 September in KEM hospital. The pharmacy department organized essay competition, poster exhibition and rally to celebrate the day.
- Pharmacy diary was published by Mr. Sheetal V Chandan (Pharmacist) with significant inputs from Dr. Avinsah Supe (Dean & Director, MCGM), Dr. Urmila Thatte (HOD, Clinical Pharmacology), Dr. Manjiri Gharat (Vice Principal, KMK) and Mrs. Madhuri Doiphode (Superintendent of Pharmacy).

Patient Care

- Pharmacy department has initiated overall medicine monitoring along with Clinical Pharmacology department's ADR and medicine monitoring team
- The department of pharmacy conducts counseling of patients on medicine at diabetes OPD for endocrine patients. This is a joint venture started along with Maharashtra state Pharmacy Council

Education

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

Staff

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

Dispensary

- Most of the medicines are dispensed through 5 units to the OPD patients and various preparations as per KEM formulary are given to indoor patients from dispensary.

Staff working at dispensary

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

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Financing organ transplant

Barely 28km from Apollo is Maharashtra's best teaching school at KEM Hospital, Parel. A liver transplant here never costs more than Rs6 lakh. "We only do cadaveric liver transplant (in which the donor is unrelated and brain-dead). The last transplant cost around Rs 2.5 lakh

but costs go up due to complications," said KEM Hospital dean Dr Avinash Supe.

Transplants are one of the most expensive medical interventions, with heart transplants costing almost Rs 25 lakh. Examples of KEM...

KEM's cochlear implants have lifted 300 lives

Sumitra.DebRoy
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KEM hospital gets ₹63 lakh central grant to boost cadaver transplant

Mumbai: Nearly two years after the centre had formed five regional bodies to boost cadaveric transplant, KEM Hospital has received a grant of Rs 63.20 lakh from the Union Health Ministry to set up the centre, along with a tissue bank, was submitted to the National Organ and Tissue Transplantation Organisation (NOTTO). NOTTO was created last year.

to set up the centre, along with a tissue bank, was submitted to the National Organ and Tissue Transplantation Organisation (NOTTO). NOTTO was created last year.

to function," she said that Maharashtra has the largest ZTCs in Nagpur and Aurangabad, which facilitated a record number of transplants last year.

KEM dean Dr. Avinash Supe said the allocation of funds on infrastructure and manpower will help the hospital to set up a system of organ donation, so once the system is in place, the hospital will be able to handle more transplants, he said.

CC will be implemented in a phased manner, he said. The hospital is also planning to list patients for organ donation, he said.

for its patients. B... for its patients. B...

screen... lose... window... Dr M... im... fitted...

श्रीडी तंत्रज्ञानाच्या सहाय्याने ६२ वर्षीय महिलेला बसवला



केईएममध्ये तोडातून काढला ८ सेंमीचा ट्यूमर

असा काढला ट्यूमर

श्रीडी टेक्नॉलॉजीच्या सहाय्याने पीडित औपरेखनपूर्व भेकअप करण्यात आले. त्यानंतर शस्त्रक्रिया करून ८ सेंमीचा ट्यूमर काढण्यात आला. या श्रीडी तंत्रज्ञानाच्या सहाय्याने डॉ. अशोक पापाटील यांच्या सहाय्याने जखम ठेवून देण्यात आली.



(पान १वरून) करण्याचे आश्वासन दिले आहे, अशी माहिती 'आवाज फाऊंडेशन'च्या संचालिका सुमेरा अब्दुलाली यांनी दिली.

९० ते १०० डेसिबलपर्यंतचा आवाज जर सतत काही काळ माणसाला ऐकावा लागला तर त्याचा त्या व्यक्तीच्या ऐकण्याच्या क्षमतेवर गंभीर परिणाम होऊ शकतो. प्रवासी इअरफोन लावून प्रवास करतात. ते त्यांच्यासाठी धोकादायक असते. भजनी मंडळे मोठे आवाज आरोग्यावर परिणाम करू शकतात.

- डॉ. निलम साठे, कान, नाक, घसा तज्ज्ञ, के.ई.एम. रुग्णालय

NEW MACHINE AT KEM TO TEST HIV VIRAL LOAD IN 90 MINUTES

HT Correspondent
hmetro@hindustantimes.com

MUMBAI: HIV patients will now be able to get their viral load results within two hours from KEM Hospital with the commissioning of an advanced diagnosis machine.

gin doctor looks to create becoming Ireland PM

LEO VARADKAR DID INTERNSHIP AT KEM

➤ Born on January 18, 1979, in Dublin, Ireland, to Maharashtrian father Dr Ashok and Irish mother Miriam, a nurse

➤ Leo Varadkar has served as

minister for social protection since May 2016

➤ He was previously minister for health from 2014 to 2016

➤ Was also minister for

transport, tourism and sports from 2011 to 2014



➤ Studied medicine at Trinity College, then completed his internship at KEM in Mumbai



➤ On 18 January 2015, his 36th birthday, Varadkar spoke publicly for the first time about being gay during an interview on RTE Radio

➤ "It's not something that defines me. I'm not a half-

of who I am, it doesn't define me, it is part of my character I suppose he said

➤ This made him the openly gay cabinet minister in Ireland. Varadkar is a prominent advocate for LGBT rights.

CAME OUT ON 36TH BIRTHDAY