SETH G.S. MEDICAL COLLEGE & KING EDWARD MEMORIAL HOSPITAL
Municipal Corporation of Greater Mumbai

ANNUAL REPORT

2017
Acknowledgements

WE ARE GRATEFUL TO

Principal Vishwanath Mahadeshwar
Hon. Mayor of Mumbai

Hemangi Worlikar
Deputy Mayor of Mumbai

- Shri. Yashwant Jadhav
  Leader of the House

- Shri. Ajoy Mehta
  Municipal Commissioner

- Shri. Ravi Raja
  Leader of the opposition

- Smt. I.A. Kundan
  AMC- Western Suburbs

- Shri. Ramesh Korgaonkar
  Chairman-Standing Committee

- Dr. Sanjay Mukherjee
  AMC- Project

- Smt. Rohini Kamble
  Chairman, Public health Committee

- Shri. Vijay Singhal
  AMC- Eastern Suburbs

- Shri. Sachin Padwal
  Chairperson, F/South Ward Committee

- Shri. A. L. Jarhad
  AMC-City
From the Dean’s desk...

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”.

Avinash Supe
Dean - Seth GS Medical College and KEM Hospital
January 2018
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.

Nithya Gogtay
Editor – Annual report 2017
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## Vital Statistics

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

Undergraduate Medical Students

- 1st 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 P Th 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

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

Senior residents

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

Other residents

- House officers 012
- Registrars 047
- Fellow 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 a 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
  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 involve 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 Abott 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 Women's Development cell on “Health Impact of Wireless Radio Frequency Radiation” by Dr. Vikas Nehru, at KEM Hospital on 4th October 2017

**Forensic Medicine**

**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 stoke 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

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 GSMMC & 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
- 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 Jewelex 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 Biologica, 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
• 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. Shruti 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 Infar 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 Karmkar 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 tunneled 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 TMCCalcutta – Poster on Menetriers disease
- Dr. Panna Chaudhary Memorial Award 2017 at IAC annual conference-Cytocron 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)
- 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

**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. Shrutri 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 GSMD 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 Lampur, 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- IIIIBPTh
• Third Prize: Bioethics Poster competition- Mansi Dhangar-III BPTh
• Consolation Prize: Sweety Edwanka, Nidhi Savla and Amogh Parkar – 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-flurodeoxyglucose 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 Purskar 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
• 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.
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

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

- 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:**

<table>
<thead>
<tr>
<th>Months</th>
<th>No. of camps</th>
<th>No. of residents posted</th>
<th>Total no. of beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUNE to AUG</td>
<td>50</td>
<td>71</td>
<td>1410</td>
</tr>
</tbody>
</table>

*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**

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

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 recipes competition and explanation of 2 nutritious recipes 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:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Type of Activity</th>
<th>Beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/02/17</td>
<td>Health Education session at Ashramshala, Khadavli for adolescent girls on menstrual hygiene, nutrition and personal hygiene.</td>
<td>50</td>
</tr>
<tr>
<td>09/02/17</td>
<td>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.</td>
<td>48</td>
</tr>
<tr>
<td>08/03/17</td>
<td>Celebration of Women’s day at Guravli Sub center.</td>
<td>48</td>
</tr>
<tr>
<td>12/04/17</td>
<td>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.</td>
<td>104</td>
</tr>
<tr>
<td>10/08/17</td>
<td>Celebration of World Breast Feeding Week. Counselling about advantages of breast feeding and demonstration of right methods by LHV.</td>
<td>30</td>
</tr>
<tr>
<td>25/09/17</td>
<td>Tubectomy camp at Khadavli PHC. Observed the procedures done by Dr. Sheikh.</td>
<td>25</td>
</tr>
<tr>
<td>09/10/17</td>
<td>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.</td>
<td>28</td>
</tr>
<tr>
<td>26/10/2017</td>
<td>A team of 6 occupational therapists had come to Khadavali 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.</td>
<td>ANC = 46 Geriatric = 60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of Activity</th>
<th>Special Activity</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>08/03/2017</td>
<td>On the occasion of International Women's Day, interactive session conducted on Menstrual Hygiene &amp; Mental Health with students of Community Health Worker Vocational Training course</td>
<td>Total number of beneficiaries-20</td>
</tr>
<tr>
<td>09/04/2017</td>
<td>Street-play performed by CHW students on the theme “Depression- Lets Talk” for OPD patients on the occasion of World Health Day</td>
<td>Total number of beneficiaries -100</td>
</tr>
</tbody>
</table>
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 | Diabetes Awareness programme in Old Age Home, Sakwar on World Diabetes Day | Total beneficiaries – 74 Males-38 Females- 36

14/11/2017 | 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-46 Males-20 Females-26

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

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

Malvani Urban Health Training Centre, Malad (W)

<table>
<thead>
<tr>
<th>Sr No.</th>
<th>Chapter</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Highlights and Achievements</td>
<td>• 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.</td>
</tr>
<tr>
<td>2</td>
<td>OPD services</td>
<td>• UHC Malwani caters services to 1.5 lakh population. Health services are provided to patients from Malwani 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.</td>
</tr>
<tr>
<td>3</td>
<td>Community Outreach Services</td>
<td>• 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 Pativar 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</td>
</tr>
</tbody>
</table>
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 Sahyadri 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 Maharastra 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 saves 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:
  - Shirodkar High School – 05/2017.
  - NSCI, Worli – 28/05/2017.
  - 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 Pandharupur 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]**

<table>
<thead>
<tr>
<th>Name of Donor</th>
<th>Amt. Donated</th>
<th>Specific Activity for which donated</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV</td>
<td>Rs, 52000/-</td>
<td></td>
</tr>
<tr>
<td>Camera</td>
<td>Rs, 52000/-</td>
<td></td>
</tr>
<tr>
<td>Resident Room Renovation</td>
<td>Rs, 100000/-</td>
<td></td>
</tr>
<tr>
<td>Surgery Room Renovation</td>
<td>Rs, 25000/-</td>
<td></td>
</tr>
<tr>
<td>Computer</td>
<td>Cardio Rhytham</td>
<td>Rs, 25000/-</td>
</tr>
</tbody>
</table>

**Chest Medicine**

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

**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.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name</th>
<th>Income Donation/Grants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Patient Care</td>
<td>3,28,400.00</td>
</tr>
<tr>
<td>2</td>
<td>Research</td>
<td>9,17,824.00</td>
</tr>
<tr>
<td>3</td>
<td>Training Programs/workshop</td>
<td>14,80,192.00</td>
</tr>
</tbody>
</table>
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
### Microbiology

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

### Neonatology

Patient Care and Department Development

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

### Nephrology

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

### Neurology

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the Donor</th>
<th>Amount Donated</th>
<th>Specific activity for donation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fulchandn Maikchand Shah Trust</td>
<td>50,000</td>
<td>Patient care, DDF</td>
</tr>
<tr>
<td>2</td>
<td>Palanpur Samaj Kendra Charitable Trust</td>
<td>30,000</td>
<td>Patient Care, PBCF</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the donor</th>
<th>Activity/ amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mumbai Branch of AIOTA</td>
<td>Stationery expenses for World OT Month celebration 2017</td>
</tr>
</tbody>
</table>
| 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:

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

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

Physiology

<table>
<thead>
<tr>
<th>Name of the Donor</th>
<th>Amount donated</th>
<th>Work for which donated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. J. B. Dharani</td>
<td>Rs. 4,400</td>
<td>Books for Departmental library.</td>
</tr>
<tr>
<td>DJST</td>
<td>Rs.1,05,000</td>
<td>For purchase of instruments</td>
</tr>
</tbody>
</table>

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
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:

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

B. Other courses taught by the Department of Anatomy:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Courses taught</th>
<th>Institute</th>
<th>No. of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Biomedical Engineering</td>
<td>DJ Sanghvi College of Engineering</td>
<td>20</td>
</tr>
<tr>
<td>2</td>
<td>Biomedical Engineering</td>
<td>Vidyalankar Institute of Technology</td>
<td>40</td>
</tr>
<tr>
<td>3</td>
<td>Nursing</td>
<td>Holy Spirit Institute of Nursing Education</td>
<td>30</td>
</tr>
<tr>
<td>4</td>
<td>Nursing</td>
<td>Fortis Hospital</td>
<td>40</td>
</tr>
<tr>
<td>5</td>
<td>Nursing</td>
<td>Gopikrishna Piramal Memorial Hospital</td>
<td>15</td>
</tr>
</tbody>
</table>

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

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

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

a. Conducted 13th Good Clinical Laboratory Practices Certificate Course from 12th to 14th September 2017. 40 delegates participated from all over Mumbai.
b. 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.
c. Courses offered by the Department

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Courses Taught</th>
<th>Intake of Students for (2017)</th>
<th>Affiliated University</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>MBBS – I Year</td>
<td>180</td>
<td>MUHS</td>
</tr>
<tr>
<td>2.</td>
<td>B.PTh.-1 Year</td>
<td>40</td>
<td>MUHS</td>
</tr>
<tr>
<td>3.</td>
<td>B.O.Th.-1 Year</td>
<td>40</td>
<td>MUHS</td>
</tr>
<tr>
<td>4.</td>
<td>B.P.M.T.-1 Year (Cardiology Technician &amp; Perfusion Technician)</td>
<td>10</td>
<td>MUHS</td>
</tr>
<tr>
<td>5.</td>
<td>PGDMIT</td>
<td>10</td>
<td>MUHS</td>
</tr>
<tr>
<td>6.</td>
<td>Ph.D. Medical Biochemistry</td>
<td>2</td>
<td>MUHS</td>
</tr>
<tr>
<td>8.</td>
<td>Ph.D. Medical Biochemistry</td>
<td>1</td>
<td>Mumbai University</td>
</tr>
</tbody>
</table>

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.
- IIIyr BTh and BTh 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:-

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

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

<table>
<thead>
<tr>
<th>Faculty Lectures</th>
<th>Monday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Journal Club presentation</td>
<td>Tuesday</td>
</tr>
<tr>
<td>National Health Policies and Programs</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Case Presentation</td>
<td>Thursday</td>
</tr>
<tr>
<td>Biostatistics &amp; Research Methodology</td>
<td>Friday</td>
</tr>
<tr>
<td>University Seminar</td>
<td>Saturday</td>
</tr>
</tbody>
</table>

• 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 the 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

<table>
<thead>
<tr>
<th>Name of the observer</th>
<th>Purpose of training</th>
<th>Place of origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr Pooja Malhotra</td>
<td>Observer</td>
<td>Chandigarh</td>
</tr>
</tbody>
</table>

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-

<table>
<thead>
<tr>
<th>Name of course</th>
<th>Intake capacity for current year</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.D (skin &amp; VD)</td>
<td>4</td>
<td>Pass</td>
</tr>
<tr>
<td>D.V.D (skin &amp; VD)</td>
<td>2</td>
<td>Pass</td>
</tr>
<tr>
<td>Fellowship in Dermatopathology and diagnostic dermatology</td>
<td>2</td>
<td>Pass</td>
</tr>
</tbody>
</table>

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
i. No of candidates sent up: 186 (One Hundred & Eighty Six only)
ii. No of candidates passed: 186
iii. No of candidates failed: 00
iv. Percentage of passed candidates: 100%
v. No of student (above 70%):10
Gastroenterology
- International observers and Elective trainees:- External Rotation posting from Tata Hospital - Dr.Vaneet 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 & IIH 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

<table>
<thead>
<tr>
<th>Courses offered</th>
<th>Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM(Neonatology)</td>
<td>1</td>
</tr>
<tr>
<td>MUHS Fellowship</td>
<td>2</td>
</tr>
<tr>
<td>IAP Fellowship</td>
<td>3</td>
</tr>
<tr>
<td>NNF Fellowship</td>
<td>2</td>
</tr>
</tbody>
</table>

- 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**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Intake</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM Nephrology</td>
<td>2 per year</td>
<td>100%</td>
</tr>
<tr>
<td>M. Sc. Applied biology</td>
<td>1 registered</td>
<td>Under process</td>
</tr>
<tr>
<td>Ph.D. Applied Biology</td>
<td>2 registered</td>
<td>1 thesis submitted</td>
</tr>
</tbody>
</table>

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*
- Aniaku 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Students (per year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBBS</td>
<td>180</td>
</tr>
<tr>
<td>DGO</td>
<td>12</td>
</tr>
<tr>
<td>MS</td>
<td>24</td>
</tr>
</tbody>
</table>
International Observers and Elective Trainees in 2017

<table>
<thead>
<tr>
<th>Name of the trainee</th>
<th>Place of origin</th>
<th>Purpose of Training</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riem Alkaissy</td>
<td>The Netherlands</td>
<td>Elective training in OBGYN</td>
<td>24.4.17 to 2.6.17</td>
</tr>
<tr>
<td>Shreya D Shetty</td>
<td>AJ Institute of Medical Sciences &amp; Rajiv Gandhi University</td>
<td>Observership</td>
<td>15 days from 14.4.17-30.4.17</td>
</tr>
</tbody>
</table>


Occupational Therapy

International Observers and Elective trainees:

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

Results:

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

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)

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
1. M.D. (Pathology) – 14 students per year
2. MBBS – 180 students per year
3. D.M.L.T - 10 students per year
4. B.P.M.T Course – 22 students
5. Fellowships in Cytopathology, Renal Pathology, GI Pathology, Cardiovascular Pathology, Pediatric Pathology and Neuropathology – 12 fellows enrolled per year - 2 per subspecialty
6. Observerships offered for Autopsy training and Histopathology training to MD Pathology post-graduates in Pathology from all over India.
7. 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


**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*

<table>
<thead>
<tr>
<th>Courses offered</th>
<th>Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postgraduate degree course in Human Physiology</td>
<td>9</td>
</tr>
<tr>
<td>1st MBBS</td>
<td>180</td>
</tr>
<tr>
<td>IIrd MBBS (Integrated lectures)</td>
<td>180</td>
</tr>
<tr>
<td>FYBOTH / FYBPTh</td>
<td>40 + 40</td>
</tr>
<tr>
<td>IIIrd year OT</td>
<td>40</td>
</tr>
<tr>
<td>Bachelor of Para-Medical Technology 1st &amp; 2nd year</td>
<td>25</td>
</tr>
</tbody>
</table>

**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.I.T. 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

- 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
## Biochemistry and Clinical Nutrition:

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

<table>
<thead>
<tr>
<th>Month</th>
<th>Tests</th>
<th>No. of Investigations</th>
<th>Monthly Total</th>
<th>Total No. of Investigations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
</tr>
<tr>
<td>January</td>
<td>BSL</td>
<td>8773</td>
<td>7124</td>
<td>17679</td>
</tr>
<tr>
<td></td>
<td>LFT</td>
<td>2604</td>
<td>1102</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RFT</td>
<td>6302</td>
<td>6176</td>
<td></td>
</tr>
<tr>
<td>February</td>
<td>BSL</td>
<td>8511</td>
<td>6809</td>
<td>16909</td>
</tr>
<tr>
<td></td>
<td>LFT</td>
<td>2460</td>
<td>997</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RFT</td>
<td>5938</td>
<td>5871</td>
<td></td>
</tr>
<tr>
<td>March</td>
<td>BSL</td>
<td>8879</td>
<td>7451</td>
<td>17612</td>
</tr>
<tr>
<td></td>
<td>LFT</td>
<td>2650</td>
<td>1142</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RFT</td>
<td>6083</td>
<td>5951</td>
<td></td>
</tr>
<tr>
<td>April</td>
<td>BSL</td>
<td>8564</td>
<td>6938</td>
<td>16709</td>
</tr>
<tr>
<td></td>
<td>LFT</td>
<td>2344</td>
<td>978</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RFT</td>
<td>5801</td>
<td>5897</td>
<td></td>
</tr>
<tr>
<td>May</td>
<td>BSL</td>
<td>8365</td>
<td>7117</td>
<td>17006</td>
</tr>
<tr>
<td></td>
<td>LFT</td>
<td>2487</td>
<td>1112</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RFT</td>
<td>6154</td>
<td>6023</td>
<td></td>
</tr>
<tr>
<td>June</td>
<td>BSL</td>
<td>8821</td>
<td>6647</td>
<td>18356</td>
</tr>
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<td></td>
<td>LFT</td>
<td>3241</td>
<td>1821</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RFT</td>
<td>6214</td>
<td>6511</td>
<td></td>
</tr>
<tr>
<td>July</td>
<td>BSL</td>
<td>8458</td>
<td>7131</td>
<td>17175</td>
</tr>
<tr>
<td></td>
<td>LFT</td>
<td>2696</td>
<td>1176</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RFT</td>
<td>6021</td>
<td>6287</td>
<td></td>
</tr>
<tr>
<td>August</td>
<td>BSL</td>
<td>8765</td>
<td>7362</td>
<td>17908</td>
</tr>
<tr>
<td></td>
<td>LFT</td>
<td>2892</td>
<td>1369</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RFT</td>
<td>6251</td>
<td>6522</td>
<td></td>
</tr>
<tr>
<td>September</td>
<td>BSL</td>
<td>8329</td>
<td>7221</td>
<td>17129</td>
</tr>
<tr>
<td></td>
<td>LFT</td>
<td>2666</td>
<td>1121</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RFT</td>
<td>6134</td>
<td>6291</td>
<td></td>
</tr>
<tr>
<td>October</td>
<td>BSL</td>
<td>9012</td>
<td>7239</td>
<td>17937</td>
</tr>
<tr>
<td></td>
<td>LFT</td>
<td>2755</td>
<td>1351</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RFT</td>
<td>6170</td>
<td>6312</td>
<td></td>
</tr>
<tr>
<td>November</td>
<td>BSL</td>
<td>8964</td>
<td>7401</td>
<td>17978</td>
</tr>
<tr>
<td></td>
<td>LFT</td>
<td>2802</td>
<td>1312</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RFT</td>
<td>6212</td>
<td>2840</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Test</th>
<th>Number of Tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Serum Cholesterol</td>
<td>25,429</td>
</tr>
<tr>
<td>2.</td>
<td>Serum Triglycerides</td>
<td>25,429</td>
</tr>
<tr>
<td>3.</td>
<td>HDL</td>
<td>6391</td>
</tr>
<tr>
<td>4.</td>
<td>LDL</td>
<td>6391</td>
</tr>
<tr>
<td>5.</td>
<td>VLDL</td>
<td>6391</td>
</tr>
<tr>
<td>Sr. No.</td>
<td>Name of Test</td>
<td>Number of Tests</td>
</tr>
<tr>
<td>---------</td>
<td>------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>6.</td>
<td>Serum Amylase</td>
<td>1140</td>
</tr>
<tr>
<td>7.</td>
<td>CPK</td>
<td>2195</td>
</tr>
<tr>
<td>8.</td>
<td>CPK-MB</td>
<td>2195</td>
</tr>
<tr>
<td>9.</td>
<td>LDH</td>
<td>3879</td>
</tr>
<tr>
<td>10.</td>
<td>ADA</td>
<td>2556</td>
</tr>
</tbody>
</table>

**Cardiology**

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

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

**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

<table>
<thead>
<tr>
<th>IRCU 2017</th>
<th>OPD Patients 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>275</td>
<td>New Patient</td>
</tr>
<tr>
<td>835</td>
<td>Follow up patient</td>
</tr>
</tbody>
</table>

**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)

<table>
<thead>
<tr>
<th>Pulmonary Function Tests</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FV Loop</td>
<td>2616</td>
</tr>
<tr>
<td>DLCO</td>
<td>65</td>
</tr>
<tr>
<td>RV/TLC</td>
<td>10</td>
</tr>
<tr>
<td>PEFR</td>
<td>22</td>
</tr>
<tr>
<td>Exhaled Breath Condensate</td>
<td>50</td>
</tr>
</tbody>
</table>

| Arterial blood gas laboratory: |
| Total ABGs performed          | 72,557 |

<table>
<thead>
<tr>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bronchoscopies</td>
</tr>
<tr>
<td>Bronchial washing</td>
</tr>
<tr>
<td>Diagnostic BAL</td>
</tr>
<tr>
<td>Therapeutic Lavage</td>
</tr>
<tr>
<td>TBNA</td>
</tr>
<tr>
<td>US Guided Biopsy/FNAC</td>
</tr>
<tr>
<td>Whole Lung Lavage</td>
</tr>
<tr>
<td>Pleural tapping</td>
</tr>
<tr>
<td>Lymph node FNAC</td>
</tr>
<tr>
<td>CT Guided Biopsy/FNAC</td>
</tr>
</tbody>
</table>

| 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**

<table>
<thead>
<tr>
<th>Total Admissions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Surgeries</td>
<td>710</td>
</tr>
<tr>
<td>Open</td>
<td>399</td>
</tr>
<tr>
<td>Closed</td>
<td>141</td>
</tr>
<tr>
<td>Emergency</td>
<td>170</td>
</tr>
</tbody>
</table>

**Clinical Pharmacology**

**Therapeutic Drug Monitoring OPD**

<table>
<thead>
<tr>
<th>Total Patients seen</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Follow-up patient seen</td>
<td>1375</td>
</tr>
<tr>
<td>New patients seen</td>
<td>1440</td>
</tr>
</tbody>
</table>

**Drug wise patients who reported to the OPD**

<table>
<thead>
<tr>
<th>Name of the drugs</th>
<th>Total number of patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valproate</td>
<td>1092</td>
</tr>
<tr>
<td>Phenobarbitone</td>
<td>527</td>
</tr>
<tr>
<td>Phenytoint</td>
<td>572</td>
</tr>
<tr>
<td>Carbamazepine</td>
<td>461</td>
</tr>
<tr>
<td>Lamotrigine</td>
<td>63</td>
</tr>
<tr>
<td>Levetiracetam</td>
<td>100</td>
</tr>
</tbody>
</table>
**Malaria OPD**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Number of Slides screened</td>
<td>7030</td>
</tr>
<tr>
<td>Total Positive</td>
<td>274</td>
</tr>
<tr>
<td>Total Number positive for <em>P. vivax</em></td>
<td>267</td>
</tr>
<tr>
<td>Total Number positive for <em>P. falciparum</em></td>
<td>07</td>
</tr>
<tr>
<td>Total Number positive for mixed infections</td>
<td>00</td>
</tr>
</tbody>
</table>

**Lithium estimations done**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total number of patients</td>
<td>74</td>
</tr>
<tr>
<td>New patients</td>
<td>29</td>
</tr>
<tr>
<td>Old patients</td>
<td>45</td>
</tr>
</tbody>
</table>

**Pharmacogenetics OPD** - 30 patients seen

**Pharmacovigilance** – 341 adverse events reported

**Community Medicine**

Services in KEM campus:

a) General OPD services:

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

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**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Male</th>
<th>Female</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4056</td>
<td>3816</td>
<td>7872</td>
</tr>
<tr>
<td>2</td>
<td>7271</td>
<td>5129</td>
<td>12400</td>
</tr>
<tr>
<td>3</td>
<td>2657</td>
<td>1758</td>
<td>4415</td>
</tr>
<tr>
<td>4</td>
<td>4208</td>
<td>3031</td>
<td>7239</td>
</tr>
<tr>
<td>5</td>
<td>1618</td>
<td>1244</td>
<td>2862</td>
</tr>
<tr>
<td>6</td>
<td>889</td>
<td>628</td>
<td>1517</td>
</tr>
<tr>
<td>7</td>
<td>563</td>
<td>547</td>
<td>1110</td>
</tr>
<tr>
<td>8</td>
<td>1193</td>
<td>761</td>
<td>1954</td>
</tr>
<tr>
<td>9</td>
<td>314</td>
<td>184</td>
<td>498</td>
</tr>
<tr>
<td>10</td>
<td>1693</td>
<td>832</td>
<td>2525</td>
</tr>
<tr>
<td>11</td>
<td>703</td>
<td>898</td>
<td>1601</td>
</tr>
<tr>
<td>12</td>
<td>181</td>
<td>163</td>
<td>344</td>
</tr>
<tr>
<td>13</td>
<td>168</td>
<td>134</td>
<td>302</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>24814</td>
<td>18825</td>
<td>43639</td>
</tr>
</tbody>
</table>

b) Immunisation OPD

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

<table>
<thead>
<tr>
<th>Vaccine</th>
<th>Male</th>
<th>Female</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCG</td>
<td>2937</td>
<td>2674</td>
<td>5611</td>
</tr>
<tr>
<td>OPV 0</td>
<td>2699</td>
<td>2565</td>
<td>5264</td>
</tr>
<tr>
<td>DPT 1, DPT2, DPT 3/ OPV1, OPV2, OPV3</td>
<td>1423</td>
<td>1299</td>
<td>2722</td>
</tr>
<tr>
<td>HBV 1, HBV 2, HBV 3</td>
<td>1423</td>
<td>1299</td>
<td>2722</td>
</tr>
<tr>
<td>Measles</td>
<td>290</td>
<td>301</td>
<td>591</td>
</tr>
<tr>
<td>MMR</td>
<td>282</td>
<td>245</td>
<td>527</td>
</tr>
<tr>
<td>DPT / OPV B1</td>
<td>248</td>
<td>227</td>
<td>475</td>
</tr>
<tr>
<td>DT / OPV B2</td>
<td>146</td>
<td>135</td>
<td>281</td>
</tr>
</tbody>
</table>

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** –

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

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

<table>
<thead>
<tr>
<th>Month</th>
<th>Fever</th>
<th>AGE</th>
<th>Leptospirosis</th>
<th>Dengue</th>
<th>Malaria</th>
<th>Hepatitis</th>
<th>Enteric Fever</th>
<th>H1 N1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ELISA</td>
<td>Rapid</td>
<td>P. Vivax</td>
<td>P. Falc.</td>
<td>Mixed</td>
</tr>
<tr>
<td>Dec</td>
<td>254</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>33</td>
<td>10</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Jan</td>
<td>162</td>
<td>7</td>
<td>2</td>
<td>2</td>
<td>7</td>
<td>3</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Feb</td>
<td>88</td>
<td>17</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>4</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Mar</td>
<td>73</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>April</td>
<td>114</td>
<td>16</td>
<td>2</td>
<td>0</td>
<td>5</td>
<td>6</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>May</td>
<td>136</td>
<td>17</td>
<td>2</td>
<td>0</td>
<td>14</td>
<td>12</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>June</td>
<td>221</td>
<td>17</td>
<td>5</td>
<td>0</td>
<td>35</td>
<td>16</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>July</td>
<td>309</td>
<td>7</td>
<td>3</td>
<td>4</td>
<td>58</td>
<td>41</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Aug</td>
<td>355</td>
<td>7</td>
<td>10</td>
<td>3</td>
<td>135</td>
<td>70</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>Sep</td>
<td>260</td>
<td>7</td>
<td>8</td>
<td>1</td>
<td>146</td>
<td>51</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Oct</td>
<td>331</td>
<td>1</td>
<td>8</td>
<td>2</td>
<td>145</td>
<td>24</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Nov</td>
<td>220</td>
<td>0</td>
<td>4</td>
<td>2</td>
<td>48</td>
<td>20</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>2523</td>
<td>102</td>
<td>47</td>
<td>16</td>
<td>632</td>
<td>260</td>
<td>13</td>
<td>10</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Children</th>
<th>Adult</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0-5 Yrs</td>
<td>6-12 Yrs</td>
</tr>
<tr>
<td>Male</td>
<td>4305</td>
<td>2871</td>
</tr>
<tr>
<td>Female</td>
<td>3980</td>
<td>3313</td>
</tr>
<tr>
<td>Total</td>
<td>8277</td>
<td>6206</td>
</tr>
</tbody>
</table>

### Special outpatient clinics

<table>
<thead>
<tr>
<th>OPD</th>
<th>No. of patients patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental</td>
<td>0</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>62</td>
</tr>
<tr>
<td>Follow up visits</td>
<td>1174</td>
</tr>
<tr>
<td>Total</td>
<td>1235</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>0</td>
</tr>
<tr>
<td>Cataract surgery</td>
<td>0</td>
</tr>
<tr>
<td>Optometry</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>0</td>
</tr>
<tr>
<td>Injections given</td>
<td>1776</td>
</tr>
<tr>
<td>Skin</td>
<td>4844</td>
</tr>
</tbody>
</table>

### OPD for Chronic diseases

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

### Revised National TB control Program [RNTCP]

<table>
<thead>
<tr>
<th>NSP</th>
<th>NSN</th>
<th>NEP</th>
<th>TOTAL</th>
<th>R</th>
<th>F</th>
<th>TAD</th>
<th>Other</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>F</td>
<td>M</td>
<td>F</td>
<td>M</td>
<td>F</td>
<td>M</td>
<td>F</td>
<td>M</td>
</tr>
<tr>
<td>62</td>
<td>58</td>
<td>50</td>
<td>47</td>
<td>36</td>
<td>74</td>
<td>148</td>
<td>179</td>
<td>22</td>
</tr>
</tbody>
</table>
| Transfer In: Males- 1 Females- 1; TG- 2; NSN-TG- MDR patients on Cat IV & V: Males: 38; Females: 30; TG: 0
<table>
<thead>
<tr>
<th>M</th>
<th>F</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of children started on INH prophylaxis started in RNTCP OPD</td>
<td>108</td>
<td>116</td>
</tr>
<tr>
<td>No. of children given MT</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>No. of children found MT positive</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>No. of MT positive symptomatic children started on AKT</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Universal Immunization Program

<table>
<thead>
<tr>
<th>Vaccination</th>
<th>Male</th>
<th>Female</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&lt; 1Yr</td>
<td>&gt; 1Yr</td>
<td>&lt; 1Yr</td>
</tr>
<tr>
<td>OPV 0</td>
<td>69</td>
<td>0</td>
<td>52</td>
</tr>
<tr>
<td>BCG</td>
<td>179</td>
<td>0</td>
<td>93</td>
</tr>
<tr>
<td>DPT1 + OPV 1</td>
<td>219</td>
<td>0</td>
<td>202</td>
</tr>
<tr>
<td>DPT2 + OPV 2</td>
<td>253</td>
<td>0</td>
<td>136</td>
</tr>
<tr>
<td>DPT3 + OPV 3</td>
<td>127</td>
<td>0</td>
<td>103</td>
</tr>
<tr>
<td>HBV-0</td>
<td>59</td>
<td>0</td>
<td>39</td>
</tr>
<tr>
<td>HBV1</td>
<td>219</td>
<td>0</td>
<td>161</td>
</tr>
<tr>
<td>HBV2</td>
<td>253</td>
<td>0</td>
<td>151</td>
</tr>
<tr>
<td>HBV3</td>
<td>127</td>
<td>0</td>
<td>121</td>
</tr>
<tr>
<td>MEASLES</td>
<td>212</td>
<td>0</td>
<td>108</td>
</tr>
<tr>
<td>BOOSTER1(DPT)</td>
<td>0</td>
<td>109</td>
<td>5</td>
</tr>
<tr>
<td>MMR</td>
<td>0</td>
<td>108</td>
<td>0</td>
</tr>
<tr>
<td>BOOSTER2(DT)</td>
<td>0</td>
<td>31</td>
<td>0</td>
</tr>
<tr>
<td>Inj.TT</td>
<td>0</td>
<td>18</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>1717</td>
<td>266</td>
<td>1171</td>
</tr>
</tbody>
</table>


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-Panjrapur 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-Panjrapur RHTC:

**OPD Services**

<table>
<thead>
<tr>
<th>New</th>
<th>Old</th>
<th>Total Beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>495</td>
<td>1700</td>
<td>2195</td>
</tr>
<tr>
<td>Male</td>
<td>Female</td>
<td>Total Beneficiaries</td>
</tr>
<tr>
<td>1660</td>
<td>9</td>
<td>1669</td>
</tr>
<tr>
<td>Adult</td>
<td>Children</td>
<td>Total Beneficiaries</td>
</tr>
<tr>
<td>1710</td>
<td>0</td>
<td>1710</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Male</th>
<th>Female</th>
<th>Total Beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>124</td>
<td>152</td>
<td>276</td>
</tr>
</tbody>
</table>

ANC Aarogya Shastra Activities: At Khadavli camp

<table>
<thead>
<tr>
<th>New</th>
<th>Old</th>
<th>Total Beneficiaries</th>
<th>Referrals</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANC</td>
<td>395</td>
<td>110</td>
<td>488</td>
</tr>
<tr>
<td>Peadiatrics</td>
<td>75</td>
<td>84</td>
<td>160</td>
</tr>
</tbody>
</table>

b. Sakwar RHTC:

**OPD Services**

<table>
<thead>
<tr>
<th>New</th>
<th>Old</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>15357</td>
<td>17697</td>
<td>33054</td>
</tr>
<tr>
<td>Male</td>
<td>Female</td>
<td>Total</td>
</tr>
<tr>
<td>14100</td>
<td>16600</td>
<td>30700</td>
</tr>
<tr>
<td>Adult</td>
<td>Children</td>
<td>Total</td>
</tr>
<tr>
<td>30600</td>
<td>3410</td>
<td>34010</td>
</tr>
</tbody>
</table>

- 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:**

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c. Khadavli RHTC:

**General OPD**

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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

**Endocrinology**

1. Indoor admission: 621 (01 January 2017 to 01 December 2017).
### Indoor Admission – (01 January 2017 to 30 November 2017)

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### Out Door Patient new

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<td>92</td>
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<td>Cortisol</td>
<td>111</td>
<td>83</td>
<td>117</td>
<td>158</td>
<td>112</td>
<td>106</td>
<td>127</td>
<td>87</td>
<td>98</td>
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<td>18</td>
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<td>0</td>
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<td>15</td>
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<td>0</td>
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<td>43</td>
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<td>13</td>
<td>15</td>
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<td>0</td>
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<td>0</td>
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<td>16</td>
<td>22</td>
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<td>17</td>
<td>FT3</td>
<td>111</td>
<td>69</td>
<td>75</td>
<td>151</td>
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<td>100</td>
<td>81</td>
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<tr>
<td>18</td>
<td>FT4</td>
<td>107</td>
<td>127</td>
<td>115</td>
<td>257</td>
<td>72</td>
<td>65</td>
<td>153</td>
<td>104</td>
<td>110</td>
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<td>Total</td>
<td>8544</td>
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<td>9093</td>
<td>7171</td>
<td>6802</td>
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<td>5520</td>
<td>6480</td>
<td>4392</td>
<td>6529</td>
<td></td>
</tr>
</tbody>
</table>

### 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]

<table>
<thead>
<tr>
<th>O.P.D. Patients</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>New patients</td>
<td>6456</td>
</tr>
<tr>
<td>Follow-up patients</td>
<td>14317</td>
</tr>
<tr>
<td>Indoor patients</td>
<td></td>
</tr>
<tr>
<td>Admitted to Gastroenterology wards</td>
<td>1570</td>
</tr>
<tr>
<td>Referred patients (indoor)</td>
<td></td>
</tr>
<tr>
<td>Procedures</td>
<td></td>
</tr>
<tr>
<td>Diagnostics</td>
<td></td>
</tr>
<tr>
<td>Upper GI Scopy</td>
<td>4200</td>
</tr>
</tbody>
</table>
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 Bilary Sphincterotony | 550
Endoscopic Pancreatic Sphincterotony 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].**

<table>
<thead>
<tr>
<th>Year of 2017</th>
<th>Month</th>
<th>Admission</th>
<th>death</th>
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<tbody>
<tr>
<td></td>
<td>January</td>
<td>95</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>February</td>
<td>87</td>
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<td></td>
<td>March</td>
<td>91</td>
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</tr>
<tr>
<td></td>
<td>April</td>
<td>69</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>May</td>
<td>53</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>June</td>
<td>61</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>July</td>
<td>69</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>August</td>
<td>89</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>September</td>
<td>64</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>October</td>
<td>60</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>November</td>
<td>61</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>December</td>
<td>36</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>835</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>
Day Care facilities- The department runs a day care, for patients to be given treatment on a day care basis. This includes:

- Thalassemia 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 in hematology day care

<table>
<thead>
<tr>
<th>Month</th>
<th>No. of Patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>506</td>
</tr>
<tr>
<td>February</td>
<td>495</td>
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<tr>
<td>March</td>
<td>228</td>
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<td>April</td>
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<tr>
<td>May</td>
<td>749</td>
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<tr>
<td>June</td>
<td>899</td>
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<tr>
<td>July</td>
<td>908</td>
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<tr>
<td>August</td>
<td>1238</td>
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<tr>
<td>September</td>
<td>1138</td>
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<tr>
<td>October</td>
<td>1288</td>
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<tr>
<td>November</td>
<td>1512</td>
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<tr>
<td>December</td>
<td>894</td>
</tr>
<tr>
<td>Total</td>
<td>10615</td>
</tr>
</tbody>
</table>

Laboratory information: The Haematology Laboratory is situated on the 10th Floor, Multiistory 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

<table>
<thead>
<tr>
<th>Month</th>
<th>HB</th>
<th>Retic</th>
<th>TC/DC</th>
<th>ESR</th>
<th>Plt.C</th>
<th>MP</th>
<th>BMA</th>
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</thead>
<tbody>
<tr>
<td>January</td>
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<td>372</td>
<td>1395</td>
<td>08</td>
<td>1395</td>
<td>-</td>
<td>102</td>
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<tr>
<td>February</td>
<td>1281</td>
<td>320</td>
<td>1281</td>
<td>03</td>
<td>1281</td>
<td>-</td>
<td>92</td>
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<tr>
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<td>280</td>
<td>1204</td>
<td>03</td>
<td>1204</td>
<td>-</td>
<td>86</td>
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<tr>
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<td>1311</td>
<td>336</td>
<td>1311</td>
<td>02</td>
<td>1311</td>
<td>-</td>
<td>97</td>
</tr>
<tr>
<td>May</td>
<td>1262</td>
<td>305</td>
<td>1262</td>
<td>02</td>
<td>1262</td>
<td>-</td>
<td>40</td>
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<tr>
<td>June</td>
<td>1346</td>
<td>336</td>
<td>1346</td>
<td>01</td>
<td>1346</td>
<td>-</td>
<td>95</td>
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<tr>
<td>July</td>
<td>1490</td>
<td>399</td>
<td>1490</td>
<td>08</td>
<td>1490</td>
<td>-</td>
<td>81</td>
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<td>1331</td>
<td>-</td>
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<td>1441</td>
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<td>-</td>
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<td>1572</td>
<td>09</td>
<td>1572</td>
<td>-</td>
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<td>915</td>
<td>230</td>
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<td>07</td>
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<td>-</td>
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<table>
<thead>
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<th>Month</th>
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<th>HBEPP</th>
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<tbody>
<tr>
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<td>Machine was not working</td>
</tr>
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<td>Machine was not working</td>
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<td>March</td>
<td>24</td>
<td>15</td>
<td>62</td>
</tr>
<tr>
<td>April</td>
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<td>22</td>
<td>35</td>
</tr>
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<td>51</td>
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<tr>
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<td>November</td>
<td>85</td>
<td>57</td>
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<tr>
<td>December</td>
<td>85</td>
<td>30</td>
<td>Machine was not working</td>
</tr>
</tbody>
</table>
**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

<table>
<thead>
<tr>
<th>Procedure</th>
<th>No of patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patients on ventilator</td>
<td>450</td>
</tr>
<tr>
<td>2 Decho done by portable, USG + Echo machine on MICU patients</td>
<td>340</td>
</tr>
<tr>
<td>Percutaneous tracheostomy</td>
<td>05</td>
</tr>
</tbody>
</table>

**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:

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

<table>
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</thead>
<tbody>
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### Parasitology

<table>
<thead>
<tr>
<th>Section</th>
<th>Workload</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stool examination (routine)</td>
<td>7800</td>
</tr>
<tr>
<td>Stool for opportunistic parasites</td>
<td>885</td>
</tr>
<tr>
<td>Malaria Antigen Test (including emergency lab)</td>
<td>17953</td>
</tr>
<tr>
<td>Total</td>
<td>26638</td>
</tr>
</tbody>
</table>

### Neonatology:

**Neonatal Intensive Care Unit : 42 beds**

#### Patient care areas

<table>
<thead>
<tr>
<th>Patient care areas</th>
<th>Type of Services</th>
<th>Number of beds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inborn Unit</td>
<td>Inborn aseptic neonatal care area</td>
<td>13</td>
</tr>
<tr>
<td>Inborn - Outborn Unit</td>
<td>Inborn septic &amp; out born neonatal care area</td>
<td>12</td>
</tr>
<tr>
<td>Transitional Care Unit</td>
<td>Intermediate care area</td>
<td>12</td>
</tr>
<tr>
<td>Ventilation Unit</td>
<td>Advanced ventilatory care area</td>
<td>05</td>
</tr>
</tbody>
</table>

#### 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

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

<table>
<thead>
<tr>
<th>Test</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Blood Count</td>
<td>17090</td>
</tr>
<tr>
<td>Urine Routine &amp; Microscopic</td>
<td>15156</td>
</tr>
<tr>
<td>24 hrs. urinary protein</td>
<td>9037</td>
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<tr>
<td>Urine Creatinine</td>
<td>739</td>
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<tr>
<td>Urine Culture</td>
<td>3643</td>
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<tr>
<td>Sensitivity Extended</td>
<td>90</td>
</tr>
<tr>
<td>Misc. Culture</td>
<td>32</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>10</td>
</tr>
<tr>
<td>Blood Culture</td>
<td>340</td>
</tr>
<tr>
<td>Sensitivity extended</td>
<td>50</td>
</tr>
<tr>
<td>Australia Antigen (Elisa)</td>
<td>511</td>
</tr>
<tr>
<td>HbsAg</td>
<td>511</td>
</tr>
<tr>
<td>HCV</td>
<td>511</td>
</tr>
<tr>
<td>Urine Osmolality</td>
<td>446</td>
</tr>
</tbody>
</table>
## Biochemistry from Jan. 2017 to Nov. 2017

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serum Osmolality</td>
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</tr>
<tr>
<td>Urine PH</td>
<td>115</td>
</tr>
<tr>
<td>Stool routine</td>
<td>41</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUN</td>
<td>18568</td>
</tr>
<tr>
<td>Creat</td>
<td>18620</td>
</tr>
<tr>
<td>Total protein</td>
<td>6502</td>
</tr>
<tr>
<td>SGOT/AST</td>
<td>11997</td>
</tr>
<tr>
<td>SGPT/ALT</td>
<td>12241</td>
</tr>
<tr>
<td>Na+/Sodium</td>
<td>16765</td>
</tr>
<tr>
<td>K+/Potassium</td>
<td>16765</td>
</tr>
<tr>
<td>Cl- / Chloride</td>
<td>16765</td>
</tr>
<tr>
<td>Phosphorous</td>
<td>16230</td>
</tr>
<tr>
<td>Alkaline phosphatase</td>
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</tr>
<tr>
<td>Uric Acid</td>
<td>12144</td>
</tr>
<tr>
<td>Glucose</td>
<td>2854</td>
</tr>
<tr>
<td>Bilirubin Total</td>
<td>571</td>
</tr>
<tr>
<td>Direct</td>
<td>571</td>
</tr>
<tr>
<td>Albumin</td>
<td>16629</td>
</tr>
<tr>
<td>Calcium</td>
<td>16246</td>
</tr>
</tbody>
</table>

### Neurology

1. **Investigations**
   - Routine VEEG -1020
   - Ictal VEEG-236
   - Electromyography & Nerve Conduction study (EMG/NCS)- 600

2. **Epilepsy Surgery**
      - Ecog Guided (ECOG) - 41
      - 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.

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

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

5. **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:

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

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:

<table>
<thead>
<tr>
<th>Workload</th>
<th>Outpatient Dept</th>
<th>In Patient Care</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patients</td>
<td>29362</td>
<td>10322</td>
</tr>
<tr>
<td>visits</td>
<td>117448</td>
<td>41288</td>
</tr>
</tbody>
</table>

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

- CRP 316
- C3 7834
- C4 2972
- RA factor 2557
- ACLA – IgG 690
- ACLA IgM 340
- Immunoglobulin E 701
- Cryoglobins 4
- Bronchalveolar lavage cytology 7

Cytology

- 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

O. C Laboratory

- Hemograms 11962
- Biochemistry 5671
- PCV 2344
- MP 190
- BT/CT 00

EMS laboratory

- Hemograms 81,798
- Smears for malarial parasites 79,709
- Arterial Blood Gas 29,793
- CSF 808
- PT/INR 30,697

Surgical Pathology (library bldg 2nd floor)

- 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 6th 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

Neuropathology

- Clinical Pathology
- No. of Hemograms 837
No. of CSF examined 1223
Biochemistry
No. of Ascitic/Pleural 3503
Proteins urine porphyria 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 laparascopy - 58

Pediatrics

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

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**

<table>
<thead>
<tr>
<th>Year</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor patients - Plastic surgery</td>
<td>835</td>
</tr>
<tr>
<td>Indoor patients – Burns</td>
<td>127</td>
</tr>
<tr>
<td>O.P.D. Patients</td>
<td>9215</td>
</tr>
<tr>
<td>Casualty Reference</td>
<td>1452</td>
</tr>
<tr>
<td>Routine operations</td>
<td>1387</td>
</tr>
<tr>
<td>Emergency operations</td>
<td>2671</td>
</tr>
<tr>
<td>TOTAL OPERATIONS</td>
<td>4058</td>
</tr>
<tr>
<td>Referrals from other departments</td>
<td>2390</td>
</tr>
</tbody>
</table>

**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

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

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**

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

**New Services Added**

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

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

#### O.P.D. Attendance

<table>
<thead>
<tr>
<th>Year</th>
<th>Urology</th>
<th>Stone Clinic</th>
<th>Infertility</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>New</td>
<td>Old</td>
<td>New</td>
<td>Old</td>
</tr>
<tr>
<td>2017 (till Nov.2017)</td>
<td>3222</td>
<td>5666</td>
<td>3782</td>
<td>3658</td>
</tr>
</tbody>
</table>

#### Diagnostic Workload

<table>
<thead>
<tr>
<th>Year</th>
<th>USG</th>
<th>Cystoscopy &amp; Related Procedures</th>
<th>Uroflowmetry</th>
<th>Trust Guided Biopsy</th>
<th>UDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017 (till Nov.2017)</td>
<td>320</td>
<td>835</td>
<td>1359</td>
<td>128</td>
<td>355</td>
</tr>
</tbody>
</table>

#### Operative Workload

<table>
<thead>
<tr>
<th>Procedure</th>
<th>2017 (till Nov.2017)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESWL: Renal Stone</td>
<td>40</td>
</tr>
<tr>
<td>ESWL: Ureteral Stone</td>
<td>18</td>
</tr>
</tbody>
</table>
Publications
Publications

Anatomy


Biochemistry and Clinical Nutrition


• Shinde Uma, Rane S A, Prabhu Teja, Ching Ling Yi. Important biochemical markers and antioxidant vitmins in pre-eclamptic patients. People's Journal of Scientific Research. June 2017, 10(2).


Cardiology


Chest Medicine


- Chapter in the book Puzzling cases in pulmonary medicine – An Unusual case of air fluid level in the chest. Authors – Dr Amita Athavale, Dr Hariharan Iyer.

- Chapter in the book Puzzling cases in pulmonary medicine – A rare hemithoracic opacity: Diagnosis and management. Authors – Dr Amita Athavale, Dr Sagar Raiya, Dr Hemant Deshmukh.


Cardiovascular and Thoracic Surgery [CVTS]

- Giant mediastinal teratoma with mixed malignant transformation: A successful surgical management. Bombay Hospital Journal, vol 59 no 2 april 17


Clinical Pharmacology

- Gogtay NJ, Thatte UM. Statistical evaluation of Diagnostic tests- part 1. J Assoc Phy Ind 65; 80-4
• Gogtay NJ, Thatte UM. Number needed to treat. J Assoc Phy Ind 2017; 65: 90-4
• Khirsagar NA, Gogtay NJ, Garg BS, Deshmukh PR, Rajgor DD, Kadam VS, Thakur PA, Gupta A, Ingole NS, Lazdins-Helds JK. Efficacy and tolerability of treatment with single doses of diethylcarbamazine (DEC) and DEC plus albendazole (ABZ) for three consecutive years in lymphatic filariasis: a field study in India. Parasitol Res 2017; Aug 7. doi: 10.1007/s00436-017-5577-9.

Accepted for Publication
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Dermatology


Dentistry


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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
• Validation of a point-of-care testing device and biochemical-hematological evaluations in diabetic patients
• Educational project on ‘Notion of social obligation by faculty of an Indian Medical School’.

Cardiology
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• Study Protocol TDE-PH-311: An open label extension study of UT – 15C in subjects with pulmonary arterial hypertension- A long term follows up to protocol TDE-PH-310 (EC/PHARMA-26/2012)
• “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.
• Bacterial Spectrum of sputum of Chronic Obstructive Pulmonary Disease patients in acute exacerbation admitted in a tertiary care center.
• 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 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 & Paraganglioma (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/paragangliomas
- 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 correlation
- Retrospective analysis of Endocrine manifestations of secretory ovarian tumors: Single center experience
- Sympathetic Paraganglioma: 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 18B-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 Inter Vention 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”.

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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 introbervial 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+ velapasavir (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 seborrhoeic 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 Tebokan’ 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 hemorrhrosis 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 its impact on preterm infant development
• Compliance of patients provided with need based upper extremity adaptive device - a study on Indian population
• Efficacy of therapy ball exercises versus exercises along with added resistance combined with therapy ball exercises in patients with ankylosing spondylitis
• Effect of scapular muscles strengthening in patients with lateral epicondylitis
• Epidemiological study to find personal and occupational determinants for musculoskeletal disorders in taxi drivers of Mumbai
• Effectiveness of action observation training on pain and functional performance in patients with total knee replacement.
• Comparison study between eccentric training and concentric training in rotator cuff tendinopathy: a randomized control trial
• 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-arthritic shoulder
• Pattern of drug sensitivity in TB spine
• Clinical correlation of tractography in pre-and post-operative patient of cervical and lumber 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 synchronbreathe - 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.
- 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 immunosuppresive 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 β 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 pentylentetrazole 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 marmlos 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 marmlos 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 Cilastrus panniculatus 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 *Lageneria 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 my 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
• 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 it’s 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 Thalassemia 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 values 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 real function.”
• “A cohort study to determine the prevalence of fluoroquinolone antibiotic resistance in rectal flora, the prevalence of ST 13IE. Coli strain amongst these resistant samples and post biopsy infection complications in patients to be posted for trans-rectal ultrasound guided prostatic biopsy at a tertiary care institute.”
• “Pilot study to determine outcomes of implementation of enhanced recovery after surgery (ERAS) protocol in cases of radical cystectomy and Ileal conduit for carcinoma bladder in a tertiary care setup.”
• “A study to compare the size of external urethral meatus in premenopausal and postmenopausal women and the treatment outcomes of urethral dilatations in females having obstructive voiding symptoms.”
• “A study to review diet and metabolic parameters in patients with urinary tract calculi.”
• “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.”

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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

‘More cough cases where SPM is high’

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 6.5% cases with the SPM level under 200,” said the study, which looked at 1,000 people living within a 1-km radius of six air monitoring stations (see box). Chronic coughing, wheezing and breathlessness are symptoms 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 Mauvadi, an old settlement in Chembur East, has the highest SPM levels and the maximum respiratory morbidity. “Borivali, 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 symptoms of asthma, an always...
Clinical Pharmacology
टनाव से दांतों पर भी पड़ता है असर

टनाव दृष्टि के लाभ में काफी फायदा होता है। इसके लायक है कि उन्होंने दांतों के लिए भी शुभ असर दिखाया है। दांतों के लिए तनाव प्रभावी होता है। इसलिए दांतों का स्वास्थ्य और रोग से बचने के लिए तनाव का कम होना अत्यंत महत्वपूर्ण है।

बचाव के तरीके

- नमक के स्वाद लेने से स्वास्थ्य का खतरा कम होता है।
- नियंत्रित चमकने का स्तर हाल हर समय में बचाव के लिए महत्वपूर्ण है।
- सामान्यतः अच्छी नाश्ते का स्वाद लेने से दांतों का रोग कम होता है।
- दांतों के लिए नियंत्रित चमकने का स्तर हाल हर समय में बचाव के लिए महत्वपूर्ण है।
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ENT

Dr. Hetal Marfatia – Professor & HOD
• Celebration of 300 implants in 10 years at KEM hospital in the presence of Mrs. Fadnavis and AMC in June 2017.
• Hindustan times 17-6-17 “Mumbai’s KEM Hospital’s Ear implants help in 300 Kids in 10 years”
• Free press journal 7-12-17 “Anti-Honking Drive by RTO inspectors begins in the city”
• “KEM hospital touches 300 mark, all through donations” Express news service Mumbai 17-06-17
• “KEM’s cochlear implants have lifted 300 lives” Times of India 16-06-17.

Dr. Nilam Sathe – Associate Professor & HOU
• SAAMNA (22-02-2017)- 3D technology reconstruction in Ameloblastoma surgery MAHARASHTRA TIMES- 30-03-2017- HEARING PROBLEMS.
• JAI MAHARASHTRA (04-05-2017)- Invited speaker on effects of mobile phone on Ear mobile Headphone on Ear.

Medicine
• 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
Neurology
• News release of 4th month old boy who suffered 40 seizures a day in Times of India paper
• Epilepsy Conclave 25th Feb Talk on “SV2A ligands in Epilepsy” at Epilepsy Conclave, Bangalore.
• 2 “Metabolic encephalopathy adagnosis” at MAPCON-Nashik Oct 6-7 by Dr. S.H. Ravat
• Two day conference on Brainstorm at Udaipur.
• 4 “Semiology of Epilepsy” at Lucknow on Aug 2017
• EEG workshop 3 lectures, Nov 25-27 Hyderabad
• “Talk on Update on epilepsy Management”, 19th Nov MGM College Mumbai.

Neurosurgery
• Midday - City sports - Dr. Chagla treats an Umpire for Head Injury during Kanga League Match 2017 at cross Maidan
• Prof. Atul Goel-
• Conducted an International Symposium – “Controversies to Consensus” in January 2017
• Department hosted 2 Visiting Professors from Italy: Dr. Iacoangeli and Dr. Alessandro di Rienzo
• Dr. Dattatraya Muzumdar-
  1. Annual meeting of the International Society for Pediatric Neurosurgery, Denver, Colorado, USA October 8-12, 2017
  2. Successful conduct of surgery for refractory epilepsy on one of the youngest child aged 4 months with satisfactory outcome along with Comprehensive Epilepsy care team
  3. Active contributor for the ISNO guidelines for medulloblastoma.
  4. Principal investigator for deciphering the glioma stem cell and angiogenesis research.

Occupational Therapy

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

Pathology
• Over 30 oral papers/posters presented at various national and international conferences
• MAPCON in September 2017 at Solapur.
  Two case presentations at pre-conference CME on Infectious Disease
  1. Leishmaniasis – Bone marrow
  2. Cryptococcosis – Spleen
• Dr. Pradeep Vaideeswar
  Memberships: Elected Vice-President of Indian Association of Pathologists & Microbiologists for the year 2018

Pediatric surgery
• Golden Jubilee Celebrations of the Department
• Modular OT set up work complete soon to be operationalised
• AESCULAP 3D LAPAROSCOPY SET (FIRST IN GOVT. INSTITUTE IN MAHARASHTRA—fully operational)
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. Tatya 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
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

5 August 2017, Hindustan Times
Financing organ transplant still a patient’s headache across India

‘Hospitals Can Be Told To Subsidise Some Operations’

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 Suresh group underwent in Apollo Hospital in Navi Mumbai, recently. The bill for the two operations—removing a portion of a 65-year-old mother who was suffering from liver cirrhosis and transplanting it into a seven-year-old boy—was around Rs 6.6 lakh, almost half the price of most other hospitals in and around Mumbai.

The surgery was done because it was essentially a pediatria liver transplant, but the cost of adult transplants could climb to Rs 1.5 to Rs 1.90 lakh, said Apollo Mumbai chief Dr Narendra Trivedi. In a city where the average cost of liver transplant hovers between Rs 2.5 and Rs 3.90 lakh, these figures seem to be a bright spot.

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 state in the past four years were carried out by the public hospitals.

"We only do cadaveric liver transplant (in which the donor is unrelated and brain dead). The transplant cost ranges between Rs 6.5 lakh, but costs may vary due to complications," said KEM Hospital dean Dr Arvind Shinde.

Transplants are one of the most expensive medical interventions, with heart transplants costing almost Rs 2.5 lakh. Examples like these clearly are an exception, 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 Samir Shah who founded NGO Shah Fondation to spread awareness about transplant.

For most Indians, a liver transplant costs over Rs 1.5 lakh, which means the price is out of reach. Dr Shah then wrote about the affordability of liver transplants. He also said that in India, the Centre’s policy of donor liver transplants in India (the Custodians), while appearing in the Journal of Clinical and Experimental Hepatology, his recommendations could well extend to state to transplant.

A few public sector hospitals have been able to set aside donation programmes but their numbers are currently limited as the centers have not been able to sustain the activity. Increased public sector hospital involvement can also lead to a significant contribution to increase the donor pool for donation after brain death (DBD). The other way for a transplant to improve its third party insurance cover—both in terms of individual and the sponsored mass insurance schemes. Currently, individual insurance policies are not adequate to cover the transplant, he wrote.

The doctor said that while medical, it must serve the state and the donor’s family in the best possible way.

"They can create and maintain liver transplant programs at existing public hospitals. Beyond this, there is also a certain financial and a sense of a (compensation) associated with the performance, much which is often a cost of running the state healthcare system is not clear. Finally, the state must ensure that the private sector is not only performing some procedures at subsidised rates," he further wrote.

Dr Shah said that a state’s health ministry could also be given a budget to help finance or subsidise up to 10% of their total transplants that they perform in a year.”

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<th>KIDNEY TRANSPLANT CLAIMS</th>
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<td><strong>Total</strong></td>
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HOW MUCH IT COSTS

Kidney transplant in a private hospital could cost anything between Rs 5-6 lakh. Under the RSGA scheme, hospitals have to perform the surgery within a fixed cap of Rs 5.90 lakh, while another Rs 1.80 lakh is allocated for the patient’s immunosuppressant therapy that is imperative to avoid organ rejection.
Maha-origin doctor looks to create history today by becoming Ireland PM at age 38

Leo Varadkar did internship at KEM

Leos on January 26, 1979, in Dublin, Ireland, to Maheshvaran father Dr. Subbaram and mother Murali, a nurse.

Leo Varadkar has served as

- Minister for Social Protection
- HCA
- Transport, tourism and sport

Came out on 20th birthday of who am I, if not me, is part of my character I suppose, he said.

He is the first openly gay cabinet minister in Ireland and a prominent advocate of the same-sex marriage referendum.

"I am Leo Varadkar, and I am only a boy," he said.

The bold print in several articles from his first years in the media about his career.

Editor's note:

Shabda DNA is a large family. Whatever the family decides, we have a large family.

The bold print in several articles from his first years in the media about his career.

"The bold print in several articles from his first years in the media about his career.

Times of India

June 2017

Loksatta paper, 4 April-2017
श्रीडी तंत्रज्ञानाच्या
सहाय्याने ६२ वर्षीय
महिलेला बसवला जावा

केलीएमगोळ्यासाठी
लोण्यातून
काढूना
8 सेक्टीचा
ट्यावर

मुंबई, डे. २२ (प्रतिकृती) - रणगिरीला औद्योगिकीय मुख्यालयास मुंबई में वाढेला पार्श्व ट्यावर बांधणे, अन्य कोषणाच्या रणांतराचे नवे बंदूक अस्त्रकेंद्रात बेरीथंग कमाण्डवाळ असून हा कमाण्डवाळ ट्यावर कामांका येणार आहे. ट्यावर कामांकाचा विश्वासपूर्वक वेळेच्या बांधण्याचा जबाब म्हणून, महत्त्वाची महत्त्वाचा रणांतराच्या आवाज तंत्रज्ञानेने गोळ्यातून करून घाटवून दर्ज केला. सर्वात जवळपास ६२ वर्षीय श्रीडी तंत्रज्ञानाच्या आवाज हे तंत्रज्ञानाच्या पहिल्या दिवसाने श्रीधीक्रमाने ६२ वर्षीय सुंदरी माँपाली नावाच्या धार्मिक वाचनाने आतापर्यंत केले.

श्रीधी तंत्रज्ञानाच्या आवाज तंत्रज्ञानेने गोळ्यातून करून आतापर्यंत केले. श्रीधी तंत्रज्ञानाच्या आवाज तंत्रज्ञानेने गोळ्यातून करून आतापर्यंत केले.
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
   - Establish Foot Care Clinic
   - Diabetes services to be enhanced to curtail number of patients visits.
   - Diabetes prevention programme
   - Establish clinic for “Disorders of sexual development”
   - Neuro Endocrinology clinic
   - Thyroid Sonography
   - Establish patient support group
   - Obesity Clinic
   - Endocrine Oncology Clinic

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

C. Education
   - Start a diabetes Educators program for nursing staff/ Medical social worker
   - Fellowships in
     - Pediatric and Adolescent Endocrinology
     - 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.
- Upgradation 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 Parkinsional 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

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

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 non-attendance 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 ineligible 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 Members | Position on AEC | Occupation & Designation | Gender
--- | --- | --- | --- | ---
1. | Dr. Sucheta P. Dandekar | Chairperson cum Scientist from different biological discipline | Professor, & Head, Biochemistry, Seth GS Medical College & KEMH | F
2. | Dr. Sandhya K. Kamat | Member-Secretary cum Biological Scientist | Professor, Pharmacology & Therapeutics, Seth GS Medical College & KEMH | F
3. | Dr. Priyanka Prasad | Scientist from different biological discipline | Additional Professor, Microbiology, Seth GS Medical College & KEMH | F
4. | Dr. Nirmala N. Rege | Scientist in charge of Animal house facility | Professor and Head, Pharmacology & Therapeutics, Seth GS Medical College & KEMH | F
5. | Dr. Sachin L. Kulkarni | Veterinarian involved in care of animals | Sr. Veterinary Officer, Seth GS Medical College & 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:
3. Pathology: "Hands-on -slide viewing session of peripheral blood smears and bone marrows” on 22nd March 2017.
6. Anesthesia: Sanction for CME on “Game Changers in Anesthesia Practice - CME” on 20th August 2017 in MLT.

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. Ambardar: 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)

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name</th>
<th>Income Donation/Grants</th>
</tr>
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<tbody>
<tr>
<td>1.</td>
<td>Patient Care</td>
<td>3,28,400.00</td>
</tr>
<tr>
<td>2.</td>
<td>Research</td>
<td>9,17,824.00</td>
</tr>
<tr>
<td>3.</td>
<td>Training Programs/workshop</td>
<td>14,80,192.00</td>
</tr>
<tr>
<td>4.</td>
<td>Awards</td>
<td>8,480.00</td>
</tr>
</tbody>
</table>

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
   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.


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. 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.
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

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

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

Article
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

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 Kurle & Dr. V Shivane, Dr. LA Mehta, Dr. MN Nadkarni, Dr. M Natarajan, Dr. J Shah, Dr. AB Tilwe, Dr. V Dedhia, Dr. M Kembhavi & Dr. M Abhyankar.

The following activities were carried out during the year 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 Deapartment 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
• ‘RENDENZVOUS’: 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 25rd 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 Prajaka 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, 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. Anita 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, Supdt. 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
- Antibiogram – Pediatrics
- Antibiogram – Sepsis, Intra-abdominal infections, Abscess and Osteomyelitis
- Antibiogram – 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.

<table>
<thead>
<tr>
<th>Year 2017</th>
<th>Projects reviewed</th>
<th>Under Process</th>
<th>Approved</th>
</tr>
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<tbody>
<tr>
<td>Pharmaceutical sponsored projects</td>
<td>17</td>
<td>16</td>
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<tr>
<td>GOVT sponsored projects</td>
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<tr>
<td>Thesis</td>
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<td>Other Academic</td>
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<td>Total</td>
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In regards to sponsored studies:

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<th>Year 2017</th>
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<th>GOVT</th>
</tr>
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<tbody>
<tr>
<td>I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total no. of projects reviewed by IEC-I</td>
<td>17</td>
<td>1</td>
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III

<table>
<thead>
<tr>
<th>Type of study</th>
<th>Year 2017</th>
<th>PHARMA</th>
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</tr>
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<tbody>
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Serious Adverse Events:

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<th>Total 44 SAE meeting held in year 2017</th>
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<tr>
<td>Particulars</td>
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<tr>
<td>Total no. of SAE at our site:</td>
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<tr>
<td>Follow up report</td>
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<td>causality</td>
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<td>Total no. of death</td>
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<td>Our site late reporting (after 24 hours)</td>
</tr>
<tr>
<td>Responses (query) from EC regarding our site SAEs</td>
</tr>
<tr>
<td>Query letters sent</td>
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<tr>
<td>Noted letters sent</td>
</tr>
<tr>
<td>Total no. of Adverse Events (AE) reported</td>
</tr>
<tr>
<td>Total no. of SUSAR/CIOMS reported:</td>
</tr>
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Status of the ongoing sponsored projects of IEC-I as on 20th Dec 2016 n = 444

<table>
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<tr>
<th>Year</th>
<th>Pharmaceutical sponsored projects</th>
<th>GOVT sponsored projects</th>
<th>Other Academic projects</th>
<th>Thesis</th>
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Status of the projects submitted to the IEC-II in the year 2017

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<td>Other Academic</td>
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<td>Total</td>
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Status of the ongoing academic projects as on 20th Dec 2017

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### Yearly Breakdown

<table>
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<tr>
<th>Year</th>
<th>Pharmaceutical sponsored projects</th>
<th>GOVT sponsored projects</th>
<th>Other Academic projects</th>
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<td>2016</td>
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<td>36</td>
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<td>2017</td>
<td>2</td>
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<td>Total</td>
<td>6</td>
<td>8</td>
<td>99</td>
<td>300</td>
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### Total Projects Reviewed by the IEC-I & II in the Year 2017

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<th>Departments</th>
<th>Pharma</th>
<th>Govt</th>
<th>Thesis</th>
<th>Other Academic</th>
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<tr>
<td>1. Anesthesia</td>
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<tr>
<td>2. Anatomy</td>
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<td>3. Biochemistry</td>
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<td>-</td>
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<td>4. Cardiology</td>
<td>3</td>
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<tr>
<td>5. Clinical Pharmacology</td>
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</tr>
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<td>6. Chest Medicine</td>
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<td>6</td>
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<tr>
<td>7. CVTS</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>8. Dermatology</td>
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<td>-</td>
<td>5</td>
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<td>9. Dentistry</td>
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<tr>
<td>10. Endocrinology</td>
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<td>12. Forensic Medicine</td>
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<td>14. General Surgery</td>
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<td>20. Neonatology</td>
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<td>21. Nephrology</td>
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<td>22. Nuclear Medicine</td>
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<td>23. Obstetrics and Gynecology</td>
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<td>24. Orthopedics</td>
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<td>25. Ophthalmology</td>
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<td>26. OT</td>
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<td>27. Pathology</td>
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<td>30. Plastic Surgery</td>
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<tr>
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<td>34. Physiology</td>
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<td>36. Radiology</td>
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<tr>
<td>37. Social Service</td>
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<tr>
<td>38. Surgical Gastroenterology</td>
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<td>39. Transfusion Medicine</td>
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<tr>
<td>40. Urology</td>
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<td><strong>Total Reviewed</strong></td>
<td>16</td>
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<td>118</td>
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### Constitution of IEC-I

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

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<th>Gender</th>
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</thead>
<tbody>
<tr>
<td>1. Dr. Sangeeta Desai</td>
<td>Chairperson (External)</td>
<td>Professor and Office in Charge, Molecular Pathology, Tata Memorial Centre, Mumbai.</td>
<td>M.D., DTM.</td>
<td>F</td>
</tr>
<tr>
<td>2. Dr. Snehalata Gajbhiye</td>
<td>Member Secretary</td>
<td>Assistant Professor (Pharmacology &amp; Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.</td>
<td>M.D., FICS.</td>
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<tr>
<td>3. Dr. Yuvaraj B. Chavan</td>
<td>Member</td>
<td>Professor (Additional) (PSM) Seth GS Medical College and KEM Hospital Mumbai.</td>
<td>M.D.</td>
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<tr>
<td>4. Dr. Shobha Itolikar</td>
<td>Member (External)</td>
<td>-</td>
<td>M.D., D.N.B.</td>
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<tr>
<td>5. Dr. Padmina Marathe</td>
<td>Member</td>
<td>Professor (Additional) (Pharmacology &amp; Therapeutics) Seth GS Medical College and KEM Hospital Mumbai.</td>
<td>M.D.</td>
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<tr>
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<td>Designation &amp; Affiliation</td>
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<tr>
<td>6. Dr. Nilesh Thakre</td>
<td>Member (External Social Scientist)</td>
<td>Assistant Professor, Psychology, SNDT Women’s University, Mumbai.</td>
<td>Ph.D. Psychology, M.A (Industrial &amp; Business Psychology), M.I.R.P.M., M.A. (Clinical Psychology), N.E.T in Psychology, PGDICE, Dip TD.</td>
<td>M</td>
</tr>
<tr>
<td>7. Dr. Subodh Sirur</td>
<td>Member (External Legal Expert)</td>
<td>Consultant, Dermatology &amp; Venerology, Mahatma Gandhi Memorial Hospital, Mumbai</td>
<td>MBBS, DVD, LLM</td>
<td>M</td>
</tr>
<tr>
<td>8. Ms. Leena Pednekar</td>
<td>Member (External Lay person)</td>
<td>Chief Dietician, Mahatma Gandhi Memorial Hospital, Mumbai.</td>
<td>PG. in the area of Dietetics and Applied Nutrition.</td>
<td>F</td>
</tr>
<tr>
<td>9. Dr. Padmaja Samant</td>
<td>Member</td>
<td>Professor, (Obstetrics &amp; Gynecology) Seth GS Medical College and KEM Hospital Mumbai</td>
<td>Professor, (Obstetrics &amp; Gynecology) GSMC &amp; KEMH</td>
<td>F</td>
</tr>
<tr>
<td>10. Dr. Santosh Kondekar</td>
<td>Member (External)</td>
<td>Associate Professor, (Pediatrics) Topiwala National Medical College and B. Y. L. Nair Charitable Hospital, Mumbai.</td>
<td>M.D., D.N.B., D.C.H., E.C.P.S., F.M.E.</td>
<td>M</td>
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<tr>
<td>11. Dr. Sujata Aiyer</td>
<td>Member</td>
<td>Associate Professor, (Orthopedics) Seth GS Medical College and KEM Hospital Mumbai</td>
<td>M.S., E.R.C.S.(UK), General Medical Council (UK)., ECFMG.</td>
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<tr>
<td>12. Dr. Sweta Salgaonkar</td>
<td>Member</td>
<td>Professor (Anesthesiology) Seth GS Medical College and KEM Hospital Mumbai</td>
<td>M.D.</td>
<td>F</td>
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<tr>
<td>13. Dr. Sunil Kuyare</td>
<td>Member</td>
<td>Assistant Professor, (Microbiology) Seth GS Medical College and KEM Hospital Mumbai</td>
<td>M.D., PGDHA, FME.</td>
<td>M</td>
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<tr>
<td>14. Dr. Shilpa Adarkar</td>
<td>Member</td>
<td>Assistant Professor, (Psychiatry) Seth GS Medical College and KEM Hospital Mumbai</td>
<td>M.D.</td>
<td>F</td>
</tr>
<tr>
<td>15. Mrs. Chhaya Verma</td>
<td>Member</td>
<td>Professor and Head (Physiotherapy) Topiwala National Medical College and B. Y. L. Nair Charitable Hospital, Mumbai.</td>
<td>MPTH</td>
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Alternate Members of IEC-I & IEC-II as on 20th Dec 2016

<table>
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<th>Designation &amp; Affiliation</th>
<th>Qualification</th>
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<tbody>
<tr>
<td>1. Dr. Pradnya Talawdekar</td>
<td>Alternate Member (External legal Expert)</td>
<td>Project Manager, Ojus Medical Institute, The Tulip Star, Juhu Tara Road Juhu, Mumbai.</td>
<td>B.A.M.S., L.L.M.</td>
<td>F</td>
</tr>
<tr>
<td>2. Mrs. Sushma Singh</td>
<td>Alternate Member (External legal Expert)</td>
<td>-</td>
<td>B. Pharm, LL.B, L.L.M Certificate in Alternative Disputes Resolution (ADR)</td>
<td>F</td>
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<tr>
<td>3. Ms. Nivedita Chalill</td>
<td>Alternate Member (External Social Scientist)</td>
<td>-</td>
<td>M.A., Ph.D., M. Phill in social work, B.Sc (Occupational Therapy), PG Dip in Guidance &amp; Counseling.</td>
<td>F</td>
</tr>
<tr>
<td>4. Dr. (Mrs.) Helen Joseph</td>
<td>Alternate Member (External Social Scientist)</td>
<td>-</td>
<td>M.S.W., M. Phil., Ph.D.</td>
<td>F</td>
</tr>
<tr>
<td>5. Mrs. Sharmila Kher</td>
<td>Alternate Member (External Layperson)</td>
<td>-</td>
<td>M. SC. Part I (Biotechnical science), Dip. In Journalism, PGDHA</td>
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<tr>
<td>6. Mrs. Manisha Naik Dalal</td>
<td>Alternate Member (External Layperson)</td>
<td>-</td>
<td>M.Com</td>
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<tr>
<td>7. Mrs. Manju Manda</td>
<td>Alternate Member (External Layperson)</td>
<td>Section officer Railways</td>
<td>B.Sc. Pharmacy</td>
<td>F</td>
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</table>
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 Aulti, 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 DDF, 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. Morashaw 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 instituted by a standing committee resolution in 1926. Donations are collected in this fund from various donors and from various sources such as Prime Minister’s National Relief Fund, Chief Minister’s Relief Fund, 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. 50,000/- each were given to Dr. Akash Shukla & Dr. Shobna Bhatia [Gastroentrology], Dr. Gita Nataraj [Microbiology], Dr. D G Kurle [Pharmacology], Dr. Sandhya Kamat [Pharmacology], Dr. R Nanavati [Neonatology] in the first set 2017
- Rs. 75,000/- 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. 25,000/- was sanctioned for the scientific program for UG students Confluence 2017
- Rs. 31,400/- was sanctioned as a contribution for Remotexs software
- Rs. 10,000/- 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. Jr. 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. Jr. 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 Salgaonkar, Dr. Gowdelyn Fernandes, Dr. Rekha Dhamnaskar, Dr. Kokila Kamath, Miss. Shweta Jojjode

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 consultsations 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.

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**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)**

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<td>Fibrinolytic system; role in heamestasis</td>
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<td>TPE in Myasthenia Gravis; approach to a case</td>
<td>Dr. Atul Sonkar</td>
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<tr>
<td>11</td>
<td>24/11/17</td>
<td>8.30am</td>
<td>Sickle Cell Disorder; role of Transfusion Medicine</td>
<td>Dr. Choudhari</td>
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</table>
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 Upadhay, 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

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.
- 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.
  1. 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 fir 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 intuitional 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

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
## Contact Information

### Administration

<table>
<thead>
<tr>
<th>Department Name</th>
<th>Designation</th>
<th>Mobile</th>
<th>Intercom</th>
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<tbody>
<tr>
<td>Avinash Supe</td>
<td>Dean</td>
<td>9820703191</td>
<td>7700</td>
<td>---</td>
<td><a href="mailto:deangsmc@kem.edu">deangsmc@kem.edu</a></td>
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<tr>
<td>Chetana Kantharia</td>
<td>Deputy Dean I</td>
<td>9869239482</td>
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<tr>
<td>Ajay Rana</td>
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<tr>
<td>Namrata Dolas</td>
<td>Personal Asst. to Dean</td>
<td>9833782108</td>
<td>7020</td>
<td>---</td>
<td><a href="mailto:namratalolas@gmail.com">namratalolas@gmail.com</a></td>
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### Support Services

#### Engineering (Civil)

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<td>Shivdas Gurav</td>
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<td>Suresh Devle</td>
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#### Engineering (Mechanical & Electrical)

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<td>Neha Sankhe</td>
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<td>Ananda Gawli</td>
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<tr>
<td>Sushas Mukadam</td>
<td>Sub.Engineer</td>
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<td>Hiten Rane</td>
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<td>Rajesh Badwalk</td>
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### Nursing

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<tr>
<td>Safala Mahadik</td>
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<tr>
<td>Shruti Shettigar</td>
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<tr>
<td>Neha Shintre</td>
<td>Dietician</td>
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<td>Pharmacist</td>
<td>9967462783</td>
<td>---</td>
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<td>9869629518</td>
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<td><a href="mailto:drprithabhuiyan@gmail.com">drprithabhuiyan@gmail.com</a></td>
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<td>Dr. Lakshmi Raigopal</td>
<td>Additional Professor</td>
<td>9820075821</td>
<td>7447</td>
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<td><a href="mailto:larajigopal@hotmail.com">larajigopal@hotmail.com</a></td>
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<td>Dr. K. Shyamkishore</td>
<td>Additional Professor</td>
<td>9820432279</td>
<td>7447</td>
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<td>Dr. Yuvaraj Bhosale</td>
<td>Additional Professor</td>
<td>9322111713</td>
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<td>Dr. Praveen Iyer</td>
<td>Additional Professor</td>
<td>9892859202</td>
<td>7447</td>
<td>24107447</td>
<td><a href="mailto:praveeniyer@kem.edu">praveeniyer@kem.edu</a></td>
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<td>Dr. Rashmi Patil</td>
<td>Associate Professor</td>
<td>9819552729</td>
<td>7447</td>
<td>24107447</td>
<td><a href="mailto:dr_rashmipati@rediffmail.com">dr_rashmipati@rediffmail.com</a></td>
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<td>Dr. Harish Gaikwad</td>
<td>Associate Professor</td>
<td>9833085962</td>
<td>7447</td>
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<td><a href="mailto:harishgaikwad@kem.edu">harishgaikwad@kem.edu</a></td>
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<td>Dr. Rajneesh Pandey</td>
<td>Associate Professor</td>
<td>9870226608</td>
<td>7447</td>
<td>24107025</td>
<td><a href="mailto:prajneesh@gmail.com">prajneesh@gmail.com</a></td>
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<td>Dr. Bendre Ashok</td>
<td>Assistant Professor</td>
<td>26590678</td>
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<td>Dr. Abhijeet Dhende</td>
<td>Assistant Professor</td>
<td>9960780400</td>
<td>7447</td>
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<td><a href="mailto:drabhi34532008@rediffmail.com">drabhi34532008@rediffmail.com</a></td>
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<td>Dr. Anjali Tejla</td>
<td>Assistant Professor</td>
<td>9766531710</td>
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<td><a href="mailto:dranatelang@gmail.com">dranatelang@gmail.com</a></td>
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<td>Dr. Shobha Gaikwad</td>
<td>Assistant Professor</td>
<td>9960257471</td>
<td>7447</td>
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<td>Dr. Dhaval Patil</td>
<td>Assistant Professor</td>
<td>9869611917</td>
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<td><a href="mailto:drdhavalpatil@gmail.com">drdhavalpatil@gmail.com</a></td>
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<td>Dr. Sarita Margam</td>
<td>Assistant Professor</td>
<td>9765934863</td>
<td>7447</td>
<td>24107447</td>
<td><a href="mailto:margamsarita@gmail.com">margamsarita@gmail.com</a></td>
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<td>Professor &amp; Head</td>
<td>9819967609</td>
<td>---</td>
<td>022-24939286</td>
<td><a href="mailto:indranihi@yahoo.com">indranihi@yahoo.com</a></td>
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<td>Manjula Sudeep Sarkar</td>
<td>Professor</td>
<td>9869984017</td>
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<td>022-26743377</td>
<td><a href="mailto:drmanjusarkar@gmail.com">drmanjusarkar@gmail.com</a></td>
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<td>Rajendra Dahyabhai Patel</td>
<td>Professor</td>
<td>9833233761/ 9833233589</td>
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<td>022-24186136</td>
<td><a href="mailto:drkrd59@yahoo.co.in">drkrd59@yahoo.co.in</a></td>
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<td>Professor</td>
<td>9223434852</td>
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<td>022-26362315</td>
<td><a href="mailto:anitanshetty@yahoo.co.uk">anitanshetty@yahoo.co.uk</a></td>
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<td>Deepa Ghanashyam Kane</td>
<td>Professor</td>
<td>9619313331</td>
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<td>022-24382727</td>
<td><a href="mailto:deepakane_22@yahoo.com">deepakane_22@yahoo.com</a></td>
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<td>Sweta Viraj Salgaonkar</td>
<td>Professor</td>
<td>9869078541</td>
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<td><a href="mailto:swetavs@gmail.com">swetavs@gmail.com</a></td>
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<td>Prerana Nirav Shah</td>
<td>Additional Professor</td>
<td>9869117027</td>
<td>---</td>
<td>022-26718940</td>
<td><a href="mailto:preranaps@rediffmail.com">preranaps@rediffmail.com</a></td>
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<tr>
<td>Manali Mohan Nadkarni</td>
<td>Additional Professor</td>
<td>9820235042</td>
<td>---</td>
<td>022-28752698</td>
<td><a href="mailto:nadkarnimm@rediffmail.com">nadkarnimm@rediffmail.com</a></td>
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<td>9969105307/9321570886</td>
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<td>022-27546181</td>
<td><a href="mailto:madhavi_70@yahoo.com">madhavi_70@yahoo.com</a></td>
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<td>Nandini Malay Dave Additional Professor</td>
<td>9819392094</td>
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<td>022-25171539</td>
<td><a href="mailto:nandinidave@gmail.com">nandinidave@gmail.com</a></td>
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<td>Sanjeeta Rajendra Umbarkar Additional Professor</td>
<td>9833843683</td>
<td>---</td>
<td>022-23523882</td>
<td><a href="mailto:sanjeeta69@yahoo.com">sanjeeta69@yahoo.com</a></td>
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<td>Shashikant Sahadev Shinde Additional Professor</td>
<td>9920418348</td>
<td>---</td>
<td>022-21661503</td>
<td><a href="mailto:shash62@yahoo.com">shash62@yahoo.com</a></td>
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<td>Aarti Dwarkanath Kulkarni Associate Professor</td>
<td>9820452868</td>
<td>---</td>
<td>022-24107754</td>
<td><a href="mailto:aartidk752000@yahoo.com">aartidk752000@yahoo.com</a></td>
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<tr>
<td>Shrikanta Pradumna Oak Associate Professor</td>
<td>9324134023</td>
<td>---</td>
<td>022-24101018</td>
<td><a href="mailto:shrikanta_oak@yahoo.com">shrikanta_oak@yahoo.com</a></td>
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<td>Nirav M. Kotak Associate Professor</td>
<td>9320056199</td>
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<td><a href="mailto:drnmkotak@yahoo.com">drnmkotak@yahoo.com</a></td>
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<td>Yogita Sanjivkumar Patil Associate Professor</td>
<td>9833935747/9833280037</td>
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<td>022-28805563</td>
<td><a href="mailto:yogitatapatil76@gmail.com">yogitatapatil76@gmail.com</a></td>
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<td>Pallavi Vikram Waghalkar Associate Professor</td>
<td>9820492306</td>
<td>---</td>
<td>022-21635126</td>
<td><a href="mailto:drpallavi@gmail.com">drpallavi@gmail.com</a></td>
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<td>Priti Shreyash Devalkar Assistant Professor</td>
<td>9769934980</td>
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<td><a href="mailto:devalkarprit@gmail.com">devalkarprit@gmail.com</a></td>
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<td>Sanjeevani Ramdas Zadkar Assistant Professor</td>
<td>9167151512</td>
<td>---</td>
<td>022-24101477</td>
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**Biochemistry**

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</table>

**Ophthalmology**

| Amrita Ajani | 9821478695 | 7059 | dr.amrita.ajani@gmail.com |
| Hemangi Methahemangi | 9004199614 | 7059 | metha@rediffmail.com |

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<table>
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<th>Department Name</th>
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<td>Maithili Mishra</td>
<td></td>
<td>9938436847</td>
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<td></td>
<td><a href="mailto:maithili.mishra@gmail.com">maithili.mishra@gmail.com</a></td>
</tr>
<tr>
<td>Sonal Lambhate</td>
<td></td>
<td>8080155536</td>
<td>7059</td>
<td></td>
<td><a href="mailto:sonal.lambhate@gmail.com">sonal.lambhate@gmail.com</a></td>
</tr>
<tr>
<td>Evangeline Rao</td>
<td></td>
<td>8779728594</td>
<td>7059</td>
<td></td>
<td><a href="mailto:evangeline.rao@gmail.com">evangeline.rao@gmail.com</a></td>
</tr>
<tr>
<td>Samruddhi Dani</td>
<td></td>
<td>9820072717</td>
<td>7059</td>
<td></td>
<td><a href="mailto:samruddhi.dani@yahoo.com">samruddhi.dani@yahoo.com</a></td>
</tr>
<tr>
<td>Priyarthi Pradhan</td>
<td></td>
<td>8779432880</td>
<td>7059</td>
<td></td>
<td><a href="mailto:dr.priyarthi@gmail.com">dr.priyarthi@gmail.com</a></td>
</tr>
<tr>
<td>Kailash Prasad</td>
<td></td>
<td>9892148089</td>
<td>7059</td>
<td></td>
<td><a href="mailto:drkailashprasad32@gmail.com">drkailashprasad32@gmail.com</a></td>
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<tr>
<td>Vishal Jadhav</td>
<td></td>
<td>9967722232</td>
<td>7059</td>
<td></td>
<td><a href="mailto:vishal22meets@gmail.com">vishal22meets@gmail.com</a></td>
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<tr>
<td>Kasturi Chavank</td>
<td></td>
<td>8390841536</td>
<td>7059</td>
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<td><a href="mailto:asturiiii@gmail.com">asturiiii@gmail.com</a></td>
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<tr>
<td>Rajrata Nithaal</td>
<td></td>
<td>8669196153</td>
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<td><a href="mailto:nithaalraj@gmail.com">nithaalraj@gmail.com</a></td>
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<tr>
<td>Ashish Ahuja</td>
<td></td>
<td>8144715901</td>
<td>7059</td>
<td></td>
<td><a href="mailto:drashisheyec.Support@gmail.com">drashisheyec.Support@gmail.com</a></td>
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<tr>
<td>Vikram Nakhate</td>
<td></td>
<td>9920310310</td>
<td>7059</td>
<td></td>
<td><a href="mailto:vikramnakhate@gmail.com">vikramnakhate@gmail.com</a></td>
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<td>Orthopaedics</td>
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<td>Sudhir Kumar Srivastava</td>
<td>Prof. &amp; Head</td>
<td>9819710059</td>
<td>7568</td>
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<td><a href="mailto:sudhir.kumar.srivastava@hotmail.com">sudhir.kumar.srivastava@hotmail.com</a></td>
</tr>
<tr>
<td>Shirinash Vishwanath Vaidya</td>
<td>Prof. &amp; Unit head</td>
<td>9820612820</td>
<td>7463</td>
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<td><a href="mailto:drsw1@yahoo.com">drsw1@yahoo.com</a></td>
</tr>
<tr>
<td>Mohan Madhav Desai</td>
<td>Prof. &amp; Unit head</td>
<td>9892275697</td>
<td>7066</td>
<td></td>
<td><a href="mailto:mohan.desai@kem.edu">mohan.desai@kem.edu</a></td>
</tr>
<tr>
<td>R. C. S. Khandelwal</td>
<td>Prof. &amp; U. Head</td>
<td>9892499162</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:dr.rcsk@gmail.com">dr.rcsk@gmail.com</a></td>
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<tr>
<td>Bibhas DasGupta</td>
<td>Prof. &amp; Unit head</td>
<td>9820566830</td>
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<td><a href="mailto:bibhasdasgupta@gmail.com">bibhasdasgupta@gmail.com</a></td>
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<tr>
<td>Shubranshu Shekhar Mohanty</td>
<td>Add. Prof &amp; U. Head</td>
<td>9869794189</td>
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<td><a href="mailto:drsmohanty@hotmail.com">drsmohanty@hotmail.com</a></td>
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<tr>
<td>Surendar Singh Prem Sing Bava</td>
<td>Add. Prof &amp; U. Head</td>
<td>93121221681</td>
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<td>drsurendar@ediffmail</td>
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<td>Sandeep V. Sonone</td>
<td>Assoc. Prof.</td>
<td>9820042840</td>
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<td>Assoc. Prof.</td>
<td>9821158571</td>
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<td>Sudhir Saran</td>
<td>Assoc. Prof.</td>
<td>9820580811</td>
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<td>9819277800</td>
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<td>Asst. Prof.</td>
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<td>---</td>
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<td>Additional Professor</td>
<td>---</td>
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<td><a href="mailto:milind.tullu@yahoo.com">milind.tullu@yahoo.com</a></td>
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<td>---</td>
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<td>---</td>
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<td><a href="mailto:drshruti.agawal@gmail.com">drshruti.agawal@gmail.com</a></td>
</tr>
<tr>
<td>Shrikant Jamdade</td>
<td>Assistant Professor</td>
<td>---</td>
<td>7559</td>
<td>24107559</td>
<td><a href="mailto:dr.shrikant.jamdade@gmail.com">dr.shrikant.jamdade@gmail.com</a></td>
</tr>
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<td>Swati Gupta</td>
<td>Assistant Professor</td>
<td>7559</td>
<td></td>
<td>24107559</td>
<td><a href="mailto:swati.chill@gmail.com">swati.chill@gmail.com</a></td>
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<td>Amita S.Joshi</td>
<td>Professor &amp; Head</td>
<td>9820294897</td>
<td>7603/7445</td>
<td>26407667</td>
<td><a href="mailto:drjoshiamita@yahoo.co.in">drjoshiamita@yahoo.co.in</a></td>
</tr>
<tr>
<td>Daksha P Prabhat</td>
<td>Professor</td>
<td>9322270087</td>
<td>7556</td>
<td>24216720</td>
<td><a href="mailto:dakshaprabhat@rediffmail.com">dakshaprabhat@rediffmail.com</a></td>
</tr>
<tr>
<td>Asha Shenoy</td>
<td>Professor</td>
<td>9920711009</td>
<td>7555</td>
<td>65011678</td>
<td><a href="mailto:shenoyasha@yahoo.co.in">shenoyasha@yahoo.co.in</a></td>
</tr>
<tr>
<td>Smita A.Divate</td>
<td>Addl. Prof.</td>
<td>9820293594</td>
<td>7989</td>
<td>28323366</td>
<td><a href="mailto:smitudivate@kem.edu">smitudivate@kem.edu</a></td>
</tr>
<tr>
<td>Pradeep Vaideeswar</td>
<td>Addl. Prof.</td>
<td>9833509435</td>
<td>7550</td>
<td>28123936</td>
<td><a href="mailto:shreeprajai@yahoo.co.in">shreeprajai@yahoo.co.in</a></td>
</tr>
<tr>
<td>M.H. Ansari</td>
<td>Addl. Prof.</td>
<td>9224609467</td>
<td></td>
<td>24104482</td>
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<tr>
<td>Gwendolyn Fernandes</td>
<td>Assoc. Prof.</td>
<td>9819218405</td>
<td>7566</td>
<td></td>
<td><a href="mailto:dgwenfern@yahoo.co.in">dgwenfern@yahoo.co.in</a></td>
</tr>
<tr>
<td>Rachana A. Chaturvedi</td>
<td>Assoc. Prof.</td>
<td>9967017267</td>
<td>7554</td>
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<td><a href="mailto:rachanachaturvedi@yahoo.co.in">rachanachaturvedi@yahoo.co.in</a></td>
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<td>Annapurna C. Taware</td>
<td>Assoc. Prof.</td>
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<td>Kanchan S. Kothari</td>
<td>Assoc. Prof.</td>
<td>9820056313</td>
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<td>261401408</td>
<td><a href="mailto:kanchankothari@hotmail.com">kanchankothari@hotmail.com</a></td>
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<tr>
<td>Naina A.Goel (Kataria)</td>
<td>Assoc. Prof.</td>
<td>9819374198</td>
<td>7548</td>
<td>24147709</td>
<td><a href="mailto:nainakatariak23@hotmail.com">nainakatariak23@hotmail.com</a></td>
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<td>Pragati A. Sarhe</td>
<td>Assoc. Prof.</td>
<td>9324045123</td>
<td>7554</td>
<td>26203148</td>
<td><a href="mailto:pragativk@yahoo.com">pragativk@yahoo.com</a></td>
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<tr>
<td>Manjusha M. Karegar</td>
<td>Assoc. Prof.</td>
<td>9920270717</td>
<td>7526</td>
<td>0251-245673</td>
<td><a href="mailto:manjushakaregar@gmail.com">manjushakaregar@gmail.com</a></td>
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<tr>
<td>Ratnaprabha K. Ghodke</td>
<td>Assist. Professor</td>
<td>9819666393</td>
<td>7554</td>
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<td><a href="mailto:drratnag@hotmail.com">drratnag@hotmail.com</a></td>
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<tr>
<td>Mona A. Agnihotri</td>
<td>Assist. Professor</td>
<td>9821030838</td>
<td>7554</td>
<td></td>
<td><a href="mailto:Monaakshay@mnlnet.net">Monaakshay@mnlnet.net</a></td>
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<tr>
<td>Amey V. Rojekar</td>
<td>Assist. Professor</td>
<td>9221430968</td>
<td>7580</td>
<td></td>
<td><a href="mailto:ameyrojekar@rediffmail.com">ameyrojekar@rediffmail.com</a></td>
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<tr>
<td>Ashwini A.Kolhe</td>
<td>Assist. Professor</td>
<td>9323964513</td>
<td>7550</td>
<td></td>
<td><a href="mailto:drashwinkolhe@gmail.com">drashwinkolhe@gmail.com</a></td>
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<tr>
<td>Tejaswini P. Waghmare</td>
<td>Assist. Professor</td>
<td>9322299354</td>
<td>7806/7554</td>
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<td><a href="mailto:tpnadin@yahoo.com">tpnadin@yahoo.com</a></td>
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<tr>
<td>Jayshri P. Chaudhari</td>
<td>Assist. Professor</td>
<td>9821370200</td>
<td>7548</td>
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<td><a href="mailto:jayshreopath@yahoo.com">jayshreopath@yahoo.com</a></td>
</tr>
<tr>
<td>Prajakta Gupte</td>
<td>Assist. Professor</td>
<td>---</td>
<td>7546</td>
<td></td>
<td><a href="mailto:Prajumore24@gmail.com">Prajumore24@gmail.com</a></td>
</tr>
<tr>
<td>Roshni Patil</td>
<td>Assist. Professor</td>
<td>9819141850</td>
<td>7548</td>
<td></td>
<td><a href="mailto:clickroshni@gmail.com">clickroshni@gmail.com</a></td>
</tr>
<tr>
<td>Dr. Balaji Baste</td>
<td>Assist. Professor</td>
<td>7709423158</td>
<td>7988</td>
<td></td>
<td><a href="mailto:balajibaste@gmail.com">balajibaste@gmail.com</a></td>
</tr>
<tr>
<td>Dr. Swati Shinde</td>
<td>Assist. Professor</td>
<td>9730811756</td>
<td>7526</td>
<td></td>
<td><a href="mailto:sweetudoc@gmail.com">sweetudoc@gmail.com</a></td>
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<tr>
<td><strong>Pharmacology and Therapeutics</strong></td>
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<tr>
<td>Nirmala Rege</td>
<td>Professor &amp; Head</td>
<td>9820444940</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:nimarege@gmail.com">nimarege@gmail.com</a></td>
</tr>
<tr>
<td>Sandhya Kamat</td>
<td>Professor</td>
<td>9820165681</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:drsandhyakamat@gmail.com">drsandhyakamat@gmail.com</a></td>
</tr>
<tr>
<td>Padmaja Marathe</td>
<td>Professor(additional)</td>
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<td></td>
<td>25365999</td>
<td><a href="mailto:pam2671@gmail.com">pam2671@gmail.com</a></td>
</tr>
<tr>
<td>Shirish Joshi</td>
<td>Professor(additional)</td>
<td>9820338456</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:shirishjoshi2002@yahoo.co.in">shirishjoshi2002@yahoo.co.in</a></td>
</tr>
<tr>
<td>Raakhi Tripathi</td>
<td>Associate Professor</td>
<td>9821724700</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:lookon@rediffmail.com">lookon@rediffmail.com</a></td>
</tr>
<tr>
<td>Shrutti Bhide</td>
<td>Associate Professor</td>
<td>9224415446</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:shrutibhide72@gmail.com">shrutibhide72@gmail.com</a></td>
</tr>
<tr>
<td>Dnyaneshwar Kurle</td>
<td>Associate Professor</td>
<td>9757423862</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:dgkurle@yahoo.com">dgkurle@yahoo.com</a></td>
</tr>
<tr>
<td>Yashashree Shetty</td>
<td>Associate Professor</td>
<td>9869193041</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:yashashreeshetty@gmail.com">yashashreeshetty@gmail.com</a></td>
</tr>
<tr>
<td>Sharmila Jalgaonkar</td>
<td>Associate Professor</td>
<td>9819159739</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:sharmila_jalgaonkar@rediffmail.com">sharmila_jalgaonkar@rediffmail.com</a></td>
</tr>
<tr>
<td>Snehalata Gajbhiye</td>
<td>Assistant Professor</td>
<td>9920759944</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:dr.sborkar@gmail.com">dr.sborkar@gmail.com</a></td>
</tr>
<tr>
<td>Urwashi Parmar</td>
<td>Assistant Professor</td>
<td>9892408777</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:drurwashi@gmail.com">drurwashi@gmail.com</a></td>
</tr>
<tr>
<td>Firoz Tadavi</td>
<td>Assistant Professor</td>
<td>9920549222</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:firozttadavi@yahoo.com">firozttadavi@yahoo.com</a></td>
</tr>
<tr>
<td>Sanker Raut</td>
<td>Assistant Professor</td>
<td>9819265972</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:sanketraut08@gmail.com">sanketraut08@gmail.com</a></td>
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<td><strong>Physiology</strong></td>
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<tr>
<td>D. N. Shenvi</td>
<td>Professor &amp; Head</td>
<td>9820096941</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:dshreshenvi@yahoo.co.in">dshreshenvi@yahoo.co.in</a></td>
</tr>
<tr>
<td>Lalita Chandan</td>
<td>Professor</td>
<td>9967834535</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:dlrchand@gmail.com">dlrchand@gmail.com</a></td>
</tr>
<tr>
<td>Ameet Fadia</td>
<td>Additional Professor</td>
<td>9322687190</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:apmc33@gmail.com">apmc33@gmail.com</a></td>
</tr>
<tr>
<td>Amit Navare</td>
<td>Additional Professor</td>
<td>9820304983</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:navaramit@yahoo.com">navaramit@yahoo.com</a></td>
</tr>
<tr>
<td>Lalit Nikam</td>
<td>Additional Professor</td>
<td>9987899982</td>
<td>---</td>
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<td><a href="mailto:lalitnikam@rediffmail.com">lalitnikam@rediffmail.com</a></td>
</tr>
<tr>
<td>Munira Hirkani</td>
<td>Associate Professor</td>
<td>9920157820</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:drmunira01@gmail.com">drmunira01@gmail.com</a></td>
</tr>
<tr>
<td>Anita Agarwal</td>
<td>Associate Professor</td>
<td>9820561231</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:agravalanita@hotmail.com">agravalanita@hotmail.com</a></td>
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<tr>
<td>Sharad Patel</td>
<td>Associate Professor</td>
<td>7588722029</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:sg7676@gmail.com">sg7676@gmail.com</a></td>
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<td>Hitesh Modak</td>
<td>Assoc. Professor</td>
<td>9371972433</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:dr_hitesh2000@hotmail.com">dr_hitesh2000@hotmail.com</a></td>
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<tr>
<td>Vankatesh Rathod</td>
<td>Assoc. Professor</td>
<td>9423472580</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:vrenkatesh60@yahoo.com">vrenkatesh60@yahoo.com</a></td>
</tr>
<tr>
<td>Manish Dhadse</td>
<td>Assistant Professor</td>
<td>9322876310</td>
<td>---</td>
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<td><a href="mailto:mail2drmanish@gmail.com">mail2drmanish@gmail.com</a></td>
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<tr>
<td>Sarika S Puri</td>
<td>Assistant Professor</td>
<td>9870774200</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:drsansar@gmail.com">drsansar@gmail.com</a></td>
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<tr>
<td>Laksmikant Borse</td>
<td>Assistant Professor</td>
<td>9822427213</td>
<td>---</td>
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<td><a href="mailto:drborselaksmikant@gmail.com">drborselaksmikant@gmail.com</a></td>
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<tr>
<td>Samadhan Mitkari</td>
<td>Assistant Professor</td>
<td>9224701535</td>
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<td>---</td>
<td><a href="mailto:dsam80@rediffmail.com">dsam80@rediffmail.com</a></td>
</tr>
<tr>
<td>Tejasvini Sonawane</td>
<td>Assistant Professor</td>
<td>9423295330</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:Tejas94444@gmail.com">Tejas94444@gmail.com</a></td>
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<tr>
<td>DevendraPatil</td>
<td>Assistant Professor</td>
<td>9769842724</td>
<td>---</td>
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<td><a href="mailto:drdevendrapatil@yahoo.com">drdevendrapatil@yahoo.com</a></td>
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<tr>
<td>Kavita Darra</td>
<td>Assistant Professor</td>
<td>9869004524</td>
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<tr>
<td>Geeta Jagia</td>
<td>Assistant Professor</td>
<td>9860008958</td>
<td>---</td>
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<td><a href="mailto:geeta_jagia@yahoo.co.in">geeta_jagia@yahoo.co.in</a></td>
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<tr>
<td>Aritra Sanyal</td>
<td>Registrar</td>
<td>9903403536</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:aritrasanyal28784@gmail.com">aritrasanyal28784@gmail.com</a></td>
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<tr>
<td>Sonali Gulhane</td>
<td>Registrar</td>
<td>9892787320</td>
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<tr>
<td>Jaysheer Malondkar</td>
<td>C.C.T.</td>
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<td>Nitin V Gurav</td>
<td>R.A.</td>
<td>9833989623</td>
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<tr>
<td>Sharad Palve</td>
<td>Lab. Tech.</td>
<td>9869468550</td>
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<tr>
<td>Smt. Srina Palaparambil</td>
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<td>Smt. Shikh Sumiya Khalid</td>
<td>Lab Asst.</td>
<td>9867991225</td>
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<tr>
<td>Smt. Pooja B. Mane</td>
<td>Lab. Asst.</td>
<td>8767583739</td>
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<td>Shri.Ravindra Gawade</td>
<td>Lab. Attdt.</td>
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<td>Jayprakash D. Kumbhar</td>
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<tr>
<td>Amita A. Mehta</td>
<td>Professor &amp; Head</td>
<td>9819813381</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:amitaam@gmail.com">amitaam@gmail.com</a></td>
</tr>
<tr>
<td>Saraswati Iyer</td>
<td>Professor</td>
<td>9833028588</td>
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<tr>
<td>Bhavana Mhatre</td>
<td>Associate Professor</td>
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<td>---</td>
<td>---</td>
<td><a href="mailto:sidhc@vsnl.com">sidhc@vsnl.com</a></td>
</tr>
<tr>
<td>Jaimala Shetye</td>
<td>Associate Professor</td>
<td>---</td>
<td>---</td>
<td>25342811</td>
<td><a href="mailto:jaimalavs@gmail.com">jaimalavs@gmail.com</a></td>
</tr>
<tr>
<td>Mariya Jaidani</td>
<td>Associate Professor</td>
<td>9820191106</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:mpijaidani@gmail.com">mpijaidani@gmail.com</a></td>
</tr>
<tr>
<td>Archana Gore</td>
<td>Assistant Professor</td>
<td>9820963933</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:milarch17@yahoo.com">milarch17@yahoo.com</a></td>
</tr>
<tr>
<td>Jyotsna Thosar</td>
<td>Assistant Professor</td>
<td>9821066016</td>
<td>---</td>
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<td><a href="mailto:jyotsnathosan@rediffmail.com">jyotsnathosan@rediffmail.com</a></td>
</tr>
<tr>
<td>R. Lakshmiruphabha</td>
<td>Assistant Professor</td>
<td>9820218990</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:lakshprasad@rediffmail.com">lakshprasad@rediffmail.com</a></td>
</tr>
<tr>
<td>Swati Paranjpe</td>
<td>Assistant Professor</td>
<td>9820454805</td>
<td>---</td>
<td>---</td>
<td>swatipspar@ yahoo.com</td>
</tr>
<tr>
<td>Geete Dipit Baban</td>
<td>Assistant Professor</td>
<td>9869701464</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:dipti_geete@yahoo.com">dipti_geete@yahoo.com</a></td>
</tr>
<tr>
<td>Sushama Gajakos</td>
<td>Assistant Professor</td>
<td>9802019984</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:sushama.g7in2@rediffmail.com">sushama.g7in2@rediffmail.com</a></td>
</tr>
<tr>
<td>Rupali Deshpande</td>
<td>Asst. Physiotherapist</td>
<td>9960858803</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:rudes71@gmail.com">rudes71@gmail.com</a></td>
</tr>
<tr>
<td>Shilpa Naik</td>
<td>Asst. Physiotherapist</td>
<td>9224103120</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:drshilpapn@rediffmail.com">drshilpapn@rediffmail.com</a></td>
</tr>
<tr>
<td>Sarika Pajai</td>
<td>Asst. Physiotherapist</td>
<td>9870556281</td>
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<td><a href="mailto:Dsraripajai@gmail.com">Dsraripajai@gmail.com</a></td>
</tr>
<tr>
<td>Poonam Patil</td>
<td>Asst. Physiotherapist</td>
<td>9967964728</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:poonamp33@gmail.com">poonamp33@gmail.com</a></td>
</tr>
<tr>
<td>Shardul Ganvir</td>
<td>Junior Physiotherapist</td>
<td>9869921085</td>
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<tr>
<td>Shabana Kazi</td>
<td>Junior Physiotherapist</td>
<td>9892878640</td>
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<td><a href="mailto:shabana_kazi2000@yahoo.co">shabana_kazi2000@yahoo.co</a></td>
</tr>
<tr>
<td>Apeksha Ingle</td>
<td>Junior Physiotherapist</td>
<td>9619722090</td>
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<td>---</td>
<td><a href="mailto:apeksha.pat@gmail.com">apeksha.pat@gmail.com</a></td>
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<td>Plastic Surgery</td>
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<td>Vinita Puri</td>
<td>Professor &amp; Head</td>
<td>...</td>
<td>7040</td>
<td>24107040</td>
<td><a href="mailto:vp@kem.edu">vp@kem.edu</a></td>
</tr>
<tr>
<td>Kapil Agrawal</td>
<td>Professor (additional)</td>
<td>9322242463</td>
<td>7278</td>
<td>---</td>
<td><a href="mailto:drkapilips@rediffmail.com">drkapilips@rediffmail.com</a></td>
</tr>
<tr>
<td>Nilesh Shende</td>
<td>Assistant Professor</td>
<td>8879253939</td>
<td>7218</td>
<td>---</td>
<td><a href="mailto:drnileshshende1982@gmail.com">drnileshshende1982@gmail.com</a></td>
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<tr>
<td>Preventive and Social Medicine (Community Medicine)</td>
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<tr>
<td>Gajanan Velhal</td>
<td>Professor</td>
<td>9920446233</td>
<td>7484</td>
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<td><a href="mailto:vgajanan@rediffmail.com">vgajanan@rediffmail.com</a></td>
</tr>
<tr>
<td>Kamali P Bhate</td>
<td>Additional Professor</td>
<td>9821033222</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:peckem@rediffmail.com">peckem@rediffmail.com</a></td>
</tr>
<tr>
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<td>R S Kembhavi</td>
<td>Additional Professor</td>
<td>9869107798</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:ravindrakembhavi@yahoo.co.in">ravindrakembhavi@yahoo.co.in</a></td>
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<tr>
<td>Rajuta Hadaye</td>
<td>Professor</td>
<td>9869352260</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:rujutahadaye@gmail.com">rujutahadaye@gmail.com</a></td>
</tr>
<tr>
<td>Yuvaraj B Chavan</td>
<td>Additional Professor</td>
<td>9869178407</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:yuvarajbc@yahoo.co.in">yuvarajbc@yahoo.co.in</a></td>
</tr>
<tr>
<td>Srikala M Acharya</td>
<td>Additional Professor</td>
<td>9324088975</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:shrikalag@rediiffmail.com">shrikalag@rediiffmail.com</a></td>
</tr>
<tr>
<td>Mridula J Solanki</td>
<td>Assoc. Professor</td>
<td>9820203396</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:drsolanki05@yahoo.co.in">drsolanki05@yahoo.co.in</a></td>
</tr>
<tr>
<td>Swati R Deshpande</td>
<td>Addl. Assoc. Professor</td>
<td>9322753269</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:drswatideshpande@rediiffmail.com">drswatideshpande@rediiffmail.com</a></td>
</tr>
<tr>
<td>Dilip D Kadam</td>
<td>Assistant Professor</td>
<td>9869228406</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:dilipkdadam@yahoo.com">dilipkdadam@yahoo.com</a></td>
</tr>
<tr>
<td>Sujata Lavangare</td>
<td>Assistant Professor</td>
<td>9820137807</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:drsujata@rediiffmail.com">drsujata@rediiffmail.com</a></td>
</tr>
<tr>
<td>Milind Rasal</td>
<td>Assistant Professor</td>
<td>9320381931</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:drmilinds@gmail.com">drmilinds@gmail.com</a></td>
</tr>
<tr>
<td>Pavan Sable</td>
<td>Assistant Professor</td>
<td>9930592082</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:pavhappy@yahoo.com">pavhappy@yahoo.com</a></td>
</tr>
<tr>
<td>Aftab Siddiqui</td>
<td>Assistant Professor</td>
<td>9821631607</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:draftabsiddiqui@indiatimes.com">draftabsiddiqui@indiatimes.com</a></td>
</tr>
<tr>
<td>Pratap Jadhav</td>
<td>Assistant Professor</td>
<td>9323817993</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:pratapjadhav1979@gmail.com">pratapjadhav1979@gmail.com</a></td>
</tr>
<tr>
<td>Amit Bhondave</td>
<td>Assistant Professor</td>
<td>9930047707</td>
<td>7484</td>
<td>---</td>
<td><a href="mailto:dramitbhondave@gmail.com">dramitbhondave@gmail.com</a></td>
</tr>
<tr>
<td>Shubhangi.R. Parkar</td>
<td>Professor &amp; Head</td>
<td>9819282175</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:pshubhangi@gmail.com">pshubhangi@gmail.com</a></td>
</tr>
<tr>
<td>Ajita.S. Nayak</td>
<td>Professor (Adhoc)</td>
<td>9870314844</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:ajitanyak@rediiffmail.com">ajitanyak@rediiffmail.com</a></td>
</tr>
<tr>
<td>Neena.S. Sawant</td>
<td>Additional Professor</td>
<td>9930583713</td>
<td>24187715</td>
<td>---</td>
<td><a href="mailto:drneenas@yahoo.com">drneenas@yahoo.com</a></td>
</tr>
<tr>
<td>Kranti Kadam</td>
<td>Additional Professor</td>
<td>9821680888</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:drkrantisk@yahoo.com">drkrantisk@yahoo.com</a></td>
</tr>
<tr>
<td>Karishma Rupani</td>
<td>Asst. Professor</td>
<td>9930935679</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:heenathedoc@gmail.com">heenathedoc@gmail.com</a></td>
</tr>
<tr>
<td>Shilpa.A. Adarkar</td>
<td>Assoc. Professor</td>
<td>9820139158</td>
<td>28579371</td>
<td>---</td>
<td><a href="mailto:Shilpa_adarkar@india.com">Shilpa_adarkar@india.com</a></td>
</tr>
<tr>
<td>Rasika Kale</td>
<td>Junior Scientific Officer</td>
<td>9821046515</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:rasikakale694@gmail.com">rasikakale694@gmail.com</a></td>
</tr>
<tr>
<td>Kalpana Kinnage</td>
<td>Laboratory Technician</td>
<td>9702309896</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:kalpsgk13@gmail.com">kalpsgk13@gmail.com</a></td>
</tr>
<tr>
<td>Sadhana Bharkande</td>
<td>PSW</td>
<td>9869507384</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:sadhanab07@rediiffmail.com">sadhanab07@rediiffmail.com</a></td>
</tr>
<tr>
<td>Vasant Sutar</td>
<td>PSW</td>
<td>9773415608</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:sutar_vasant100@rediiffmail.com">sutar_vasant100@rediiffmail.com</a></td>
</tr>
<tr>
<td>Milind Kadam</td>
<td>EEG technicians</td>
<td>9773061843</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:milindkdadam100@gmail.com">milindkdadam100@gmail.com</a></td>
</tr>
<tr>
<td>Akbar Pinjari</td>
<td>EEG technicians</td>
<td>9969344586</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:akbarmaterials@gmail.com">akbarmaterials@gmail.com</a></td>
</tr>
<tr>
<td>Sanjeevani Mahajan</td>
<td>Clerk</td>
<td>9833215349</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:sanjeevanimahajan10071959@gmail.com">sanjeevanimahajan10071959@gmail.com</a></td>
</tr>
<tr>
<td>Kaneenica Ninawe</td>
<td>Clinical Psychologist</td>
<td>9702309896</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:kalpsgk13@gmail.com">kalpsgk13@gmail.com</a></td>
</tr>
<tr>
<td>Priyanka Gaikwad</td>
<td>Clinical Psychologist</td>
<td>9769190105</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:priya26_87@yahoo.co.in">priya26_87@yahoo.co.in</a></td>
</tr>
<tr>
<td>Hemant Deshmukh</td>
<td>Professor &amp; Head</td>
<td>9820025113</td>
<td>---</td>
<td>24107301</td>
<td><a href="mailto:deshikem@gmail.com">deshikem@gmail.com</a></td>
</tr>
<tr>
<td>Tibrewala Sunita Balkishan</td>
<td>Professor</td>
<td>9820270607</td>
<td>---</td>
<td>24107530</td>
<td><a href="mailto:suntib15@gmail.com">suntib15@gmail.com</a></td>
</tr>
<tr>
<td>Sunita Kale</td>
<td>Professor</td>
<td>9969976995</td>
<td>---</td>
<td>23750375</td>
<td><a href="mailto:drsunita.vk@rediiffmail.com">drsunita.vk@rediiffmail.com</a></td>
</tr>
<tr>
<td>P.V. Badhe</td>
<td>Additional Professor</td>
<td>9210470531</td>
<td>---</td>
<td>24107542</td>
<td><a href="mailto:padmabadhe@kem.edu">padmabadhe@kem.edu</a></td>
</tr>
<tr>
<td>Hemangini Thakkar</td>
<td>Additional Professor</td>
<td>---</td>
<td>---</td>
<td>24107542</td>
<td><a href="mailto:hemanginithakkar@kem.edu">hemanginithakkar@kem.edu</a></td>
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<tr>
<td>Priya Hira</td>
<td>Additional Professor</td>
<td>---</td>
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<td>24107530</td>
<td><a href="mailto:priyahira@kem.edu">priyahira@kem.edu</a></td>
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<tr>
<td>Burzen Morris</td>
<td>Additional Professor</td>
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<td>24107530</td>
<td><a href="mailto:burzinnorris@gmail.com">burzinnorris@gmail.com</a></td>
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<tr>
<td>Krantikumar Rathod</td>
<td>Additional Professor</td>
<td>---</td>
<td>24107301</td>
<td><a href="mailto:krantikumarathod@kem.edu">krantikumarathod@kem.edu</a></td>
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<tr>
<td>Shilpa Sankhe</td>
<td>Assistant Professor</td>
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<td>24107523</td>
<td><a href="mailto:drshilpas@hotmail.com">drshilpas@hotmail.com</a></td>
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<tr>
<td>Rashmi Saraf</td>
<td>Assistant Professor</td>
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<td>Dev Thakkar</td>
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<td>Dr. R. R. Satoskar</td>
<td>Prof. &amp; Head</td>
<td>9869409400</td>
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<td>24107301</td>
<td><a href="mailto:rajeevsatoskar@kem.edu">rajeevsatoskar@kem.edu</a></td>
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<tr>
<td>Dr. V. M. Kulkarni</td>
<td>Prof.</td>
<td>9869332447</td>
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<td>24107530</td>
<td><a href="mailto:dr_varshak@yahoo.com">dr_varshak@yahoo.com</a></td>
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<tr>
<td>Dr. A. A. Deshpande</td>
<td>Prof.</td>
<td>9820231568</td>
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<td>24107530</td>
<td><a href="mailto:draparnadeshpande@yahoo.com">draparnadeshpande@yahoo.com</a></td>
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<td>Dr. S. A. Rege</td>
<td>Prof.</td>
<td>9869178040</td>
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<td>24107530</td>
<td><a href="mailto:samrege@yahoo.com">samrege@yahoo.com</a></td>
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<tr>
<td>Dr. Rajeev Karvande</td>
<td>Prof.</td>
<td>9220819914</td>
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<td>24107530</td>
<td><a href="mailto:rajivkarvande@gmail.com">rajivkarvande@gmail.com</a></td>
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<td>Prof.</td>
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<td><a href="mailto:ateeshilpa@gmail.com">ateeshilpa@gmail.com</a></td>
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<tr>
<td>Dr. A. N. Dalvi</td>
<td>Assoc. Prof.</td>
<td>9821018751</td>
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<td><a href="mailto:abhayadalvi@hotmail.com">abhayadalvi@hotmail.com</a></td>
</tr>
<tr>
<td>Dr. J. A. Gandhi</td>
<td>Assoc. Prof.</td>
<td>9869343352</td>
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<td>---</td>
<td><a href="mailto:jigneshkem@gmail.com">jigneshkem@gmail.com</a></td>
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<tr>
<td>Dr. S. S. Deolekar</td>
<td>Assoc. Prof.</td>
<td>9820222313</td>
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<td>---</td>
<td><a href="mailto:samirdolekar@yahoo.co.in">samirdolekar@yahoo.co.in</a></td>
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<tr>
<td>Dr. S. S. Dhamnaskar</td>
<td>Assoc. Prof.</td>
<td>9869467672</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:suchinsd@gmail.com">suchinsd@gmail.com</a></td>
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<tr>
<td>Dr. R. P. Prajapati</td>
<td>Assoc. Prof.</td>
<td>9820034331</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:drramprajapati@gmail.com">drramprajapati@gmail.com</a> / <a href="mailto:ramlalprajapati@kem.edu">ramlalprajapati@kem.edu</a></td>
</tr>
<tr>
<td>Dr. Milind More</td>
<td>Assoc. Prof.</td>
<td>9820541126</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:dr_milindmore@rediffmail.com">dr_milindmore@rediffmail.com</a></td>
</tr>
<tr>
<td>Dr. Bhushankumar Thakur</td>
<td>Assoc. Prof.</td>
<td>9323178285</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:dr_bhushantakur@yahoo.com">dr_bhushantakur@yahoo.com</a></td>
</tr>
<tr>
<td>Dr. Mahadev Garale</td>
<td>Assistant Prof.</td>
<td>9869356892</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:mgarale@yahoo.com">mgarale@yahoo.com</a></td>
</tr>
<tr>
<td>Dr. Pravin Shinde</td>
<td>Assistant Prof.</td>
<td>9323035494</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:drpravinshinde@yahoo.com">drpravinshinde@yahoo.com</a></td>
</tr>
<tr>
<td>Dr. Yogesh Takalkar</td>
<td>Assistant Prof.</td>
<td>9222441713</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:yogeshatkalkar@yahoo.co.in">yogeshatkalkar@yahoo.co.in</a></td>
</tr>
<tr>
<td>Dr. Monty Khajanchi</td>
<td>Assistant Prof.</td>
<td>922442992</td>
<td>---</td>
<td>---</td>
<td>&quot;<a href="mailto:monta32@gmail.com">monta32@gmail.com</a> <a href="mailto:montykhajanchi@kem.edu">montykhajanchi@kem.edu</a>&quot;</td>
</tr>
<tr>
<td>Dr. Dnyaneshwar Mohare</td>
<td>Assistant Prof.</td>
<td>9930285475</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:dnyanu2011@yahoo.co.in">dnyanu2011@yahoo.co.in</a></td>
</tr>
<tr>
<td>Dr. Shrinivas Surpam</td>
<td>Assistant Prof.</td>
<td>9004360847</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:drshrivns@gmail.com">drshrivns@gmail.com</a></td>
</tr>
<tr>
<td>Dr. Sadashiv Choudhari</td>
<td>Assistant Prof.</td>
<td>9594297826</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:drsadashiv@gmail.com">drsadashiv@gmail.com</a></td>
</tr>
<tr>
<td>Dr. Ashok Shelke</td>
<td>Assistant Prof.</td>
<td>8692075163</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:drashokshelfe42@gmail.com">drashokshelfe42@gmail.com</a></td>
</tr>
<tr>
<td>Dr. Mandar Koranne</td>
<td>Assistant Prof.</td>
<td>840886433</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:drmandarkoranne@gmail.com">drmandarkoranne@gmail.com</a></td>
</tr>
<tr>
<td>Dr. Kirankumar Magar</td>
<td>Assistant Prof.</td>
<td>8879111406</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:kkms8517@gmail.com">kkms8517@gmail.com</a></td>
</tr>
<tr>
<td>Dr. Maneesha Patwardhan</td>
<td>Assistant Prof.</td>
<td>8600127882</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:maneeshap@gmail.com">maneeshap@gmail.com</a></td>
</tr>
<tr>
<td>Mr. Jaywant G. Jadhav</td>
<td>Clerk</td>
<td>9869547718</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:jayjadHAV240@gmail.com">jayjadHAV240@gmail.com</a></td>
</tr>
<tr>
<td>Mrs. Samruddhi S. Madhav</td>
<td>Record Asst.</td>
<td>9920190765</td>
<td>---</td>
<td>---</td>
<td><a href="mailto:samruddhimadhav1983@gmail.com">samruddhimadhav1983@gmail.com</a></td>
</tr>
<tr>
<td>Yogesh Parkar</td>
<td>Clerk cum Typist</td>
<td>---</td>
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</tr>
</tbody>
</table>

**Transfusion Medicine**

| Jayashree Sharma          | Professor & Head | 98197716450 | 7016   | 24135189 | jayashreesharma@kem.edu                           |
| Charusmita Modi           | Associate Prof.  | 9869104114  | 7016/7724 | 24135189 | charusmitamodi@kem.edu                           |
| Swarupa Bhagwat           | Assistant Prof.  | 9969044986  | 7724/7016 | 24135189 | swarupabhagwat@kem.edu                           |
| Darshan Adulkar           | Assistant Prof.  | 8861590189  | 7724/7016 | 24135189 | darshanadulkar@kem.edu                           |

**Urology**

| Sujata Patwardhan         | Professor & Head | 9819075202 | 7033   | ---     | sujata.patwardhan@rediffmail.com                  |
| Bhushan Patil             | Assoc. Professor | 99222216500 | 7495   | ---     | bhushanpatil81@rediffmail.com                    |
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 Rs 6 lakh. “We only do cadaveric liver transplant (in which the donor is unrelated to the recipient),” 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 rare.

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

Mumbai: Nearly two years after the centre was set up, a central grant has finally been received. The heart bank, along with a transplant organization, was submitted to the National Organ and Tissue Transplant Organisation (NOTTO). The central government established NOTTO to function,” said Dr Supe.

To boost cadaver transplant in KEM, the hospital has received a central grant of ₹63 lakh from the government.

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

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 diagnostic machine.

The test, which uses a new machine, is expected to reduce the wait time from three to four hours to 90 minutes.

LEO VARADKAR DID INTERNSHIP AT KEM

LEO VARADKAR

- 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 sport from 2011 to 2014
- Studied medicine at Trinity College, then did an internship at KEM in Mumbai
- Came out on 36th birthday
- 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-Indian politician, or a doctor politician or a gay politician of who I am, it doesn’t define me, it is part of my character,” he said
- This made him the first openly gay cabinet minister in Ireland. Varadkar was a prominent advocate of same-sex marriage. Referendum