



Seth G. S. Medical College & K. E. M. Hospital,
Parel, Mumbai – 400012.

Annual Report 2013

Editor : Dr. Nithya Gogtay

Asst. Editor : Dr. Gita Nataraj

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आभार

श्री. सुनिल प्रभु

मा. महापौर, मुंबई

श्री. मोहन मिठबांकर

मा. उपमहापौर, मुंबई

श्री. सीताराम कुंटे

मा. महानगरपालिका आयुक्त

श्रीमती गीता गवळी

मा. अध्यक्षा

सार्वजनिक आरोग्य समिती

श्री. यशोधर फणसे

मा. सभागृह नेते

श्री. देवेंद्र आंबेकर

मा. विरोधी पक्ष नेते

श्री. दिलीप पटेल

मा. भा. ज. पा. नेते

श्री. संदीप देशपांडे

मा. म. न. से. नेते

श्री. धनंजय पिसाळ

मा. रा. काँ. पा. नेते

श्री. रईस शेख

मा. स. प. नेते

श्री. मनोज संसारे

मा. गटनेते, अपक्ष

श्रीमती राजेश्री शिरवडकर

मा. अध्यक्षा, महिला व बाल कल्याण समिती

श्रीम. तृष्णा विश्वासराव

मा. अध्यक्षा, प्रभाग समिती,

एफ/दक्षिण आणि एफ/उत्तर विभाग

श्री. बाळा नांदगांवकर

मा. स्थानिक आमदार

श्री. रामदास कदम

मा. आमदार

श्री. भाई जगताप

मा. आमदार

श्रीमती मनीषा म्हैसकर

मा. अतिरिक्त महापालिका आयुक्त

(पश्चिम उपनगरे)

डॉ. सुहासिनी नागदा

संचालक -

वैद्यकीय शिक्षण व प्रमुख रुग्णालये

श्री. राहुल शेवाळे

मा. अध्यक्ष, स्थायी समिती

डॉ. राम बारोट

मा. अध्यक्ष, सुधार समिती

श्री. मनोज कोटक

मा. अध्यक्ष, शिक्षण समिती

श्रीमती किशोरी पेडणेकर

मा. अध्यक्षा, स्थापत्य समिती (शहर)

14th Jan 2014

From Dean's desk

The twin institutes of the Seth GS Medical College and 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 Indian doctors. With a glorious legacy of over 80 years, 10 lakh patients and 50,000 plus surgeries annually, these institutes are amongst the top ranked in the country and city with the Latin maxim “Non sibi sed Omnibus”- not for self, but for all”, embedded in every heart.

The year 2013 was marked by several achievements. New equipment and services that aided patient care were made possible through funds from the municipal corporation, government agencies and munificent donations of individuals and trustees- deep brain stimulation was started for patients with Parkinson's disease, a new rural health training center was established at Pise-Panjrapur, a clinic for families of patients with lysosomal storage disorders was started, a liver transplant outpatient clinic was started as also an outpatient pain clinic. The department of plastic surgery organized the “Camp Karma” for children who were burn survivors, while the department of cardiology established a whats app mobile application whereby ECGs of patients with chest pain are viewed by senior faculty on a whats app care group. The departments of Nephrology and Urology performed a renal transplant successfully on a patient who was HIV positive. The department of Endocrinology established an ambassador exchange program with an institute from the United States, and several departments received recognition from the Medical Council of India. Postgraduate students won several awards and travel scholarships. Several faculty members initiated new fellowships in their departments under the aegis of the Maharashtra University of Health Sciences and several students successfully cleared the fellowship exams. Numerous conferences and CMEs were organized and a large number of papers published.

Where do we go from here? Plans for 2014 are already gathering momentum. Another Cath lab and a ECHO-color Doppler machine are in the pipeline, a foot care service clinic for patients with diabetes, setting up of a liver ICU, bariatric surgery, expansion of the cadaver donation program, a neurovascular laboratory, computer navigation assisted spinal surgery and arthroplasty, setting up of new modular OTs, several new fellowships, teaching innovations and much more. It is hoped that these developments will constructively change the institutes for the betterment of patients, greater efficiency of its enormous staff, and help sound 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 is all over, its not who you were. It's whether you made a difference.

Shubhangi Parkar

Ag Dean – Seth GS Medical College & KEM Hospital

Editor's note

At the dawn of 2013, we are ready to embark on another journey and look forward to yet another foundation day. It is time again to take stock and look at the year that was; what was achieved, what went wrong, where we could improve and where do we go ahead from here. The annual report in its individual chapters looks at the work, the teaching, the research, publications, awards, achievements and much more.

The experience of putting this document together has been both humbling and enlightening. Thanks is due to Dr SR Parkar for her faith and patience in me. I am also thankful to all heads of department and staff members for having sent the information on time. Shri Uttam Chape deserves appreciation for the photographs. The team that helped me put this report together also deserves special thanks. I owe a debt of gratitude to my colleagues from my department- Saket Thaker, Brinal Figer and Ujwala Parulekar for their untiring efforts at follow up. Thanks are due to Ratnadeep Printers p for painstaking editing, formatting and inputs in the cover design.

While the compilation has been done with utmost care over a two week period, its sheer magnitude and diversity may have led to omissions and inadvertent errors. We request the staff members to bear with us.

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 2014 with new hope and zest.

Nithya Gogtay

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ANNUAL STATISTICAL REPORT – 2013

Scheduled beds	1800
Indoor admissions	85942
Daily average admission	245
New OPD patients	636464
Daily average New OPD patients	2114
Old OPD patients	1077772
Daily average old OPD patients	3581
Daily average OPD attendance	5695
Total number of operations	59317
Major	26073
Minor	33244
Scopies	8741
Total deaths	6451
Total attendance in casualty	210583
Total number of medicolegal cases	35355
Total number of inpatient days	588967
Daily average bed occupancy	1614
Daily average in-patient stay	6.85
Total number of deliveries	8562

ACHIEVEMENTS AND HIGHLIGHTS

Anatomy

- The third “Intercollegiate quiz for 1st MBBS students was conducted.
- The Department has taken the initiative and introduced the Foundation Course which is a part of Vision 2015 in its routine teaching program for the undergraduates MBBS students

Anesthesia

Patient care

- Started PAIN CLINIC OPD on every Wednesday from 1.30 p.m. to 3.30 p.m. from 7th September’ 2011.
- In charge – Dr. Sweta Salgaonkar

Education

- CPR – ACLS conducted on Tuesday & Friday for medical & paramedical personnel. 16 courses conducted for batches of 20 candidates each.
- DM (Cardiac Anesthesia) Super speciality course started from academic year 13-14 with approval from MUHS.
- 1 year fellowship course started with approval from MUHS – Cardiac Anaesthesia, Neuro Anaesthesia, Pediatric Anesthesia.

Biochemistry and Clinical Nutrition

- The department successfully conducted the 9th Certificate Course in Good Clinical Laboratory Practices from 2nd to 4th September, 2013 and 10 December, 2013 with 60 delegates participating
- Orientation Shidori and Shidori -I conducted

Cardiology

- Procedures done on 3000 patients in the Cath lab
- Implemented a protocol for management of chest pain in the EMS as part of the chest pain registry
- 350 angioplasty procedures performed
- Whats app mobile telephonic application established whereby ECGs of patients with chest pain are uploaded on presentation and viewed by senior faculty on a Whats app CARE group
- Collaboration with the American College of Cardiology o digitally store data from OPDs
- Established best resident in Cardiology award in memory of Dr Prasanna Nyayadhish

Chest Medicine

- Won first prize for Envirotech Scientific Article Contest 2013 on “Impact of Ambient Air Quality on Human Health (Indian Experience)
- The Environment Pollution Research Centre, studied individuals from Borivali, Vikhroli, Khar, Kanjur marg, Bhandup and Andheri to assess respiratory morbidity due to effect of Air pollution.
- Acquired a set of new cytology needles for doing transbronchial needle aspirations mainly useful for diagnosis of mediastinal lymphadenopathy.

Clinical Pharmacology

- UG Course in Clinical Research conducted under the aegis of MUHS.
- National workshop on “Ethics in Clinical Research” and “Population PK” were conducted *The following collaborative projects were successfully completed.*
- A Phase III, open label, randomized, parallel group, multicentric trial comparing the safety and efficacy of fixed dose combination tablets of arterolane and PQP with chloroquine tablets in patients with acute uncomplicated *P.vivax* malaria

- Nuclear Magnetic Resonance and mass spectral analysis of urine samples from healthy subjects ,malaria, typhoid and viral participants admitted/OPD based to KEM Hospital, Mumbai (Pilot project)

CVTS

- LIC is in the verge of up gradation with increased number of ICU beds from 12 to 25 and the ICU has been created with new AHU and air-conditioning.

Dermatology

Dr. Uday Khopkar

- Initiated Fellowship in Diagnostic Dermatology, a post-doctoral curriculum for the first time in the country under MUHS
- Pioneered Dermatopathology consultation and teaching in India
- Worked as Chief Editor of Indian Journal of Dermatology, Venereology and Leprology
- On Editorial Board of several national and international journals and books
- Chairperson of Editor Selection Committee for IADVL journals
- Member Advisory Board for IADVL Text books special Invitee, board of studies of Dermatology, MUHS

Dr. Vidya Kharkar

- Reviewer for-Journal OF CUTANEOUS AND ASTHETIC SURGERY, JOURNAL OF STI
- Committee member of Lupus India Forum Ensemble

Dr. Sidhhi Chikhalkar

- Committee member of IADVL Maharashtra Branch
- Committee member Woman Development Society
- Joint secretary of Dermoscopy CME

Endocrinology

- 2013 Ambassador exchange program, organised by Endocrine Society, USA to India from 19/1/13 to 2/2/13. Faculty Dr. Gary Hammer U.S. Endocrinologist & Dr. Toblas Else, U.S trainee at Seth G S Medical College and K.E.M Hospital
- CME on thyroid nodule on 19/3/13, visiting faculty Dr. Roma Gianchandani from Michigan University USA.
- Diabetic day celebrated on 14/11/2013
- One day seminar on “Challenges in the Diagnosis and Management of 46 XY DSD. By Professor Dr Olaf Hirot from Germany on 2/12/13.
- Prof. Dr. Olaf Hirot endocrinologist from Germany spent time in the department
- One day interactive session on Pediatric Pituitary disorders on 10.12.2013 by Professor Dieter K. Lüdecke & Professor Patricia Crock. From Australia
- One day interactive session on pheochromocytoma with Dr Simon Rajratnam, Professor, Endocrinology, CMC Vellore

ENT

Dr. J.P. Dabholkar

- President of FHNO (Foundation of head and for the term 2013-15)
- MCI Inspector, March 2013 at Jamnagar, Gujarat

Forensic Medicine

- MD in Forensic Medicine (PG Course) started
- Forensic Odontology section started in this Year

Gastroenterology

- More than 9000 patients with liver disease have been registered in the liver clinic

- The Liver transplant OPD was started in collaboration with GI surgery services; this OPD is run on Monday afternoon.
- The Liver ICU construction has been completed. This 6-bedded unit will cater to patients with liver failure due to various causes, and also for care during the post-transplant period.
- Organized a GI motility workshop on October 25, 2013. This was the first such workshop held in India.

GI Surgery

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

Hematology

- Chemotherapy service provided for patients of hematological malignancies. This is done both on an indoor and an outpatient basis as a day care service.
- The Department also runs a Comprehensive Hemophilia Care Center with an OPD every Thursday on the 10th floor at the Department in collaboration with the Mumbai Chapter of Hemophilia Federation of India.

Medicine

- Dr.Kavita Yelve, Associate Professor, successfully completed Fellowship in HIV Medicine Christian Medical College, Vellore.

Microbiology

- *Patient care*

The NABL accreditation for HIV antibody detection using rapid and ELISA formats, CD4 count estimation, HCV antibody detection by ELISA, HBsAg detection by ELISA and RPR test has been successfully renewed for 2013-2014. The department has performed consistently well in the EQAS administered by Indian Association of Medical Microbiologists which includes bacteriology, mycobacteriology, mycology and serology. The department also participates in EQAS for mycology conducted by the national reference laboratory for the same. The department has procured through a benevolent donor, GeneXpert equipment and Xpert MTB/RIF assay for same day diagnosis of both TB and Rif resistance. Currently recognized by the national programme (RNTCP), this equipment will benefit rapid screening of MDRTB suspects. This test is available free of cost for patients with suspected pulmonary MDRTB and all HIV seropositive suspected PTB co-infected patients. The department has also procured through the same donor Vitek2 for providing MIC results for seriously ill patients with culture proven bacterial infection. Antifungal susceptibility testing for yeast is currently available.

- *Education*

The department recently introduced a syndrome centred approach as the crux of undergraduate training bringing about a paradigm shift from organisms to infectious diseases and their aetiology. Dr Preeti Mehta and her team successfully implemented National Knowledge Network Connectivity with KEM Hospital Intranet .

Neonatology

- MCI recognition for DM in Neonatology
- Ruchi Nanavati : National faculty for Facility Based Newborn Care Program under National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India supported by Norway India Partnership Initiative (NIPI) & UNICEF

- 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 supported by Norway India Partnership Initiative (NIPI) & UNICEF
- Conducted 7 Facility Based Newborn Care Observership Training programs of 14 days each for pediatricians & nurses from Orissa & Rajasthan.
- Ruchi Nanavati : Lifetime Achievement Award by Mumbai Breastfeeding Promotion Committee during Inaugural Program of World Breastfeeding Week on 3/8/13 at Nair Hospital
- Ruchi Nanavati : Awarded Dr. S. F. Irani Oration Award during 10th Maharashtra State Conference of National Neonatology Forum India at Nanded on 9th November, 2013.
- Ruchi Nanavati: Awarded Dr. Elizabeth John Oration during South Zone Conference of National Neonatology Forum India at Bangalore on 17th November, 2013.
- Nandkishor Kabra: International Editor for Journal of Clinical Neonatology.
- Bonny Jasani: Awarded travel Scholarship to attend 27th International Congress of Pediatrics held from 24-29 August 2013 at Melbourne, Australia.

Nephrology

- Only centre to offer 24 X 7 /365 days emergency haemodialysis. Accepts all HIV/HBsAg/HCV positive patient for dialysis. Number of haemodialysis performed this year from January 2013 to December 2013 was 6319.
- Department of nephrology is recognized centre for Live Related and Cadaver transplant, Total number from inception cross 560 transplants.
- In year 2013: Live-related transplant 36 and deceased donor transplant 3 1 Year graft survival matching international figure of more than 95%.
- First time successful renal transplant in HIV patient.
- Plasmapheresis for G.B.S. and Antibody mediated rejection is new addition.
- Per cutaneous peritoneal catheter insertion started in department in this year CAPD number increased to 20.
- 100% result of DM Nephrology.
- Dr. Vaibhav Keskar got 1st rank in DM Nephrology university Examination.
- Installation of Serum and urine electrolytes analyzer in research lab of the dept.
- Largest randomized control trial Early versus usual start in acute kidney injury published in highly rated international journal, “American Journal of Kidney diseases with editorial” and AJKD blog, paper was appreciated by many. (Am J Kidney Dis. 2013 Dec;62(6):1116-21. doi: 10.1053/j.ajkd.2013.06.012. Epub 2013 Aug 8.PMID:23932821)

Neurology

- *Comprehensive Epilepsy Centre*
Invasive Electrophysiology and Advanced Epilepsy Surgery. This is the only center in Maharashtra to start Corticography and Cortical dysplasia surgery in adults. Till now around 350 epilepsy surgeries are done at this center, which is highest in Maharashtra.
- *Comprehensive Parkinson's Care Centre* -In collaboration with neurosurgery department “Deep brain stimulation done for Parkinson's patients. It is the only center in a municipal hospital offering this surgery. This year 2 patients have undergone DBS at this center.
- *Paediatric Neurology OPD*- The department has started Pediatric Neurology OPD at OPD No. 114, 1st floor on Wednesday.

Neurosurgery

- The Department is one of the leading in the country and more than 2000 surgeries are performed annually by the department members.

Obstetrics and Gynecology

- Extra peritoneal myomectomy and coring out technique of excision of rudimentary uterine horn and reinforcement of scar with myometrial flaps (innovations in patient case- Dr SV Parulekar)
- Initiation of structured comprehensive postgraduate education, covering 52 topics per year in two years, and mock examinations in third year, so as to cover entire curriculum, in each unit independently.
- Skills workshops for resident doctors: staff members
- CME: Recent Advances in Obstetrics and Gynaecology (3rd and 4th April 2013)

Occupational therapy

- The department services include all kinds of acute, sub acute and late rehabilitation care. Along with in-patient care the department offers services to the outpatient departments catering to patients from different specialty areas like - Orthopedic, Psychiatry and Child Guidance Clinic, Cardiovascular and Pulmonary, Plastic Surgery, Diabetic, Endocrinology disorders and Obesity, Neurological disorders, Arthritis, Autistic and children with cerebral palsy.

Ophthalmology

Dr.Arjun S.Ahuja

- Presented papers at Bombay Ophthalmic Association Annual Conference in Aug.2013
- FST 100 Drug Trial for viral keratitis being conducted
- Attended NDSC meeting in Delhi
- Conducted CME on refractive surgery along with BOA

Orthopedics

- The “In search of excellence” has developed protocols for the subspecialty of spinal surgery, arthroplasty and arthroscopy.
- The department has taken an active part in conducting various academic activities and workshops in the year 2013 such as: Bombay Orthopedic Society Spine Course, Bombay Orthopedic Society Arthroplasty Course, Bombay Orthopedic Society Arthroscopy Course, Cadaveric Workshop in Arthroscopy and spine, Bombay Orthopedic Society Pelvi-acetabular Course, Pre-WIROC Arthroplasty, Arthroscopy and Spine Workshop

Pathology

- Upgradation and Automation of the Surgical Pathology Cytology, Cardiovascular pathology and Hematology Departments for better services and timely delivery of reports.
- Established Immunohistochemistry tests for breast cancer patients.
- Established Immunohistochemistry for Tumor typing with addition of more antibodies
- Established ELISA for anti-beta 2 glycoprotein 1 antibodies for diagnosis of antiphospholipid antibody syndrome
- Established nephelometric estimation of serum IgE
- Upgradation to fully automated biochemical analysis of lipid biochemistry and enzymes - CPK, CPK-MB, Amylase and LDH.
- Upgradation of fully automated coagulometer for blood coagulation in CVTC lab.

Pediatric Surgery

- Chief Organizers of Maharashtra Chapter of Indian Association of Pediatric Surgeons 2013 State Chapter Conference. Chief Organizers of postgraduate training program PGCME in Jan.2013

Pediatrics

- Dr. Mamta Muranjan started a clinic for families of patients with Lysosomal storage disorders at KEM Hospital with guest faculty from United Kingdom (Dr. Ashok Vellodi, Consultant Pediatrician at the Metabolic Unit of Great Ormond Street Hospital; Ms Tanya Collin-Histead, Director of the European Gaucher Alliance and Ms. Christine Lavery, Chief Executive of the Society for Mucopolysaccharidosis) on January 23, 2013.
- Dr. Milind S. Tullu became Co-Incharge of the KEM Telemedicine Centre.

Pharmacology and Therapeutics

- Team of II MBBS students of Seth GSMC & KEMH, August 2012 batch won the “Pharmacology Intercollegiate Quiz”, organized on 30th August 2013, at BYL Nair and TNMC, Mumbai.
- Faculty members and postgraduate students bagged the awards for paper presentation at 3 different national conferences held this year. Organized 7th National level workshop for postgraduates of Pharmacology “PHARMATECH 2013- Drug Development: Opportunities & Challenges” at Seth G. S. Medical College & KEM Hospital, Mumbai on 1st –10th April, 2013. 113 participants from all over India attended the same.
- Many of the faculty members of the department were in the Organizing Committee of National Conference on Health Professions Education (NCHPE 2013) organized by the ME Unit, Seth GS Medical College and KEM hospital, held from 25th -28th September 2013.
- The faculty members conducted 3 day workshops on Research Methodology & Biostatistics at MGM Dental College, Navi Mumbai (1^{2th} -1^{4th} August 2013) and Terna Dental College, Navi Mumbai (2^{5th} -2^{7th} November 2013). They were also invited as guest faculty at various institutions to conduct sessions in Research Methodology workshops.
- The faculty members invited and successfully conducted “GCP Workshop” for Ethics Committee Members of CLAIMS, a Research Organization, Andheri on 10th October 2013.

Physiology

- Organized Dr. A. C. Duarte Monteiro Oration, by Dr. Sabyasachi Sircar on “Problem – seeking learning: Examples from Cardiovascular Physiology” on 11th Dec. 2013.

Physiotherapy

Patient care

Physiotherapy Intervention For

- Patients with Brachial plexus injury
- Patients with hand injuries
- Patients with Neuromuscular diseases
- Fitness Training in obese women with musculoskeletal dysfunction
- Fitness Training for Geriatrics
- Fitness Training for Osteoporotic Women
- Functional Rehabilitation for patients with Hip & knee Replacement arthroplasty
- Premature babies on ventilator
- Pre and Post operative care to minimize pulmonary complications.
- 10) Pulmonary Rehabilitation to improve quality of life in patients with chronic Respiratory disease.
- Primary prevention and Rehabilitation of Cardiac conditions
- Adverse Neuro-dynamics in Musculoskeletal Condition
- Ozone therapy in patients with amputations and Wounds
- Stroke Rehabilitation
- Psychiatric disorders

Education

Commencement of Ph.D Programme in physiotherapy at MUHS Nashik.

Plastic Surgery

- Organized the Aesthetic CME Series, multi modality live operative Hair Restoration workshop on 30th June 2013. These were attended by about 140 post graduates and consultants.
- Organizing “Camp Karma” the 1st Burn survivor camp for children of our country from 26th – 28th December 2013.

Preventive and Social Medicine

- Successful Establishment of new Rural Health Training Centre at Pise-Panjrapur, Municipal Water Supply Unit of MCGM located in the Thane district, under the direct administrative control of Seth G.S. Medical College & KEM Hospital as per MCI guidelines.
- Dr. R.R. Shinde nominated as member of the task force committee on “Help Advice Call Centre of the Directorate of Health Services Govt. of Maharashtra.
- Dr. R.R. Shinde & Dr. S.S. Shanbhag, Professors conducted Inspection of Medical Colleges in West Bengal and Gujrat on behalf of MCI.
- Dr. Shanbhag was nominated as Member of National Review Committee for evaluation of Polio eradication Programme in India.
- Developed collaborative projects on innovative technology “Mobile health technology in Thane dist. in collaboration with TCS.
- Developed innovative approaches in primary health care management using “Pattern language Design” in collaboration with Dept. of Industrial Design IIT Mumbai, Powai.
- Total publication in National and International journal by Dept.
- Coordinated and implemented, monitored RGJAY in KEM Hospital in collaboration with Directorate of Health Services, Govt. of Maharashtra.
- Postgraduate students secures 1st prize (gold medals) in the National conference India Association of Occupational Health.
- Developed collaborative project with University Alberta Canada on “Rural water surveillance with low cost technology”.
- Dept. of Community Medicine was recognised by MUHS of conducting PhD courses and 2 students have been registered.
- Developed safety policy for MCGM hospitals along with Savitribai Phule Gender Resource Centre.
- Developed SOP for One Stop Help Centre for all three Medical Colleges and 3 Peripheral Hospitals along with MCGMs Savitribai Phule Gender Resource Centre.

Psychiatry

Patient care

- Methadone Maintenance Clinic –for Opioid Dependent patients is conducted at deaddiction centre. The clinic is aimed at providing substitution therapy for patients battling intravenous drug used. This is in collaboration with United Nation Office of Drug and Crime (UNODC).
- 26th June 2013: World Deaddiction Day
Poster Exhibition was organized at Deaddiction Centre. Posters displaying harms of substance use were put up. Patients coming to Orthopedic OPD, Physiotherapy, Occupational Therapy and Deaddiction centre benefited from the same.
- **Mental Health Week:**
The department of psychiatry KEM hospital organized the following programme for creating Mental Health Awareness in the community as a part of its celebration during the Mental Health Week (1st Oct to 10th Oct 2013).
 - Conference of Mental Health & Education MLT on 1st and 2nd October 2013
 - Poster exhibition KEM Hospital premises on 4/10/2013
 - Schizophrenia care gives problem solving group in the OPD 112 on 7/10/2013
 - MLT programme medical & paramedical staff member on 8/10/2013

- Yuva parivartan Bandra programme for youth group on 9/10/2013
- Poster exhibition KEM Hospital on 10/10/2013

Radiology

- Annually, over 1,80,000 patients visit the Radiology Department for various Diagnostic as well as Interventional treatment. It boasts of the latest and sophisticated 1.5 Tesla MRI, 64-slice CT Scan, Mammography (for Breast Cancer Screening), Ultrasonography and Doppler machines. Peripheral Vascular and Neurovascular Minimally Invasive Interventions are carried out on a Bi-planar DSA machine. Conventional imaging is carried out on 5 Digital Radiography (DR) units as well as on CR units. Facility for Radiofrequency Ablation (RFA) of tumors is available here. Endovenous Laser Therapy (EVLT) is done here to treat patients with varicose veins.

Transfusion Medicine

- Dr Jayashree Sharma passed the NABH Assessor course and has been empanelled as an assessor for carrying out assessment of blood banks/ blood centers by NABH.
- Department awarded NABH Accreditation by NABH-National Accreditation Board for Hospitals and Health Care providers, Quality council of India, New Delhi from 22.08.12 to 21.08.2015, first Public Hospital in Maharashtra to get NABH Accreditation.

Urology

- The department has started offering laparoscopic procedures to our patients. We perform laparoscopic ureterolithotomies, nephrectomies, pyeloplasties, VVF repairs and orchidopexies.
- The department has started the advanced laparoscopic program along with advanced oncology & reconstructive surgical program
- This is the only department in the whole state of Maharashtra which has started and has been regularly performing laparoscopic donor nephrectomy which is consider to be the most difficult and complex urological laparoscopic operation.
- We have also procured Laparoscopy Trainer to train postgraduate students in basic Lap. Procedures before they perform them on patients.
- The department has procured 'Revolix Laser Machine' dual Thullium and Holmium laser for comprehensive management of prostate, bladder cancer & stone surgery
- For patients with erectile dysfunction with failure of conservative therapy, the department offers penile prosthesis at low cost.
- A record number of 44 pediatric PCNL/URS were performed.
- Over 16,500 patients were treated on the all urology OPD's during the year and over 1500 operations were performed including kidney transplantations.

PATIENT CARE

Biochemistry and Clinical Nutrition

- Total Number of tests carried out – 13,48,267. Oct 2012 to Nov 2013
- Emergency Medical Services Laboratory (EMS Lab)
- Total Number of tests carried out – 8,83,642. Oct 2012 to Nov 2013

Cardiology

Number of procedures done in Philips Cath Lab from 1st January 2013 to 31st December, 2013: 2199

Sr.No.	Types of Procedures	No. of Procedures
1.	Coronary Angiography	1242
2.	BMV	0221
3.	BPV	0018
4.	BAV	0016
5.	ASD Device Closure	0024
6.	VSD Device closure	0001
7.	PDA Amplatzer Device Closure	0045
8.	PTCA with stent	0356
9.	Electrophysiology Study and Radio Frequency Ablation	0131
10.	Permanent pacemaker Implantation	0072
11.	Diagnostic Cath	0045
12.	AICD Implantation + CRT	0016
13.	Coarctoplasty	0006
14.	A.P.Window device closure	0001
15.	BMV + BAV	0002
16.	RSOV device closure	0001
17.	Alcohol Septal Ablation	0001
18.	Coronary cameral fistula	0001
	Total No. of procedures	2143

No. of Procedures done in the Mobile Siemens Cath Lab from
1st January, 2013 to 31st December, 2013 : 821

Sr.No.	Types of Procedures	No. of Procedures
1.	Coronary Angiography	664
2.	Electrophysiology Study and Radio Frequency Ablation	073
3.	Permanent Pacemaker Implantation	082
4.	AICD Implantation	002
5.	TOTAL	821

Total procedures (cath Lab 1 +2) = 3020

Total No. of patients admitted in ICCU : 1503,

Total No. of patient admitted in Wd. 32 : 1602

CST : Total no. of patients done : 2230

2D ECHO/CD: Total no. of patients done : 5638

ECG: EMS – 71590 , CVTC – 21217 , CVTC OPD : New : 10,280, Old : 20369

Chest Medicine

The total number of admissions for year 2013 (30th Nov. 2013) is 1027. Of these, 200 patients required Intensive Care. The Department of Chest Medicine has outpatients Chest clinics on bi

weekly basis. The total numbers of new patients seen till date are 6500; while total numbers of follow-up patients were 16758 (Till 30th Nov.13).

Pulmonary Function Tests 2013	
FV Loop	2819
DLCO	190
RV/TLC	78
PEFR	80
OSCILLOMETRY	29
MEP/MIP	102
RHINOMANOMETRY	1
EXERCISE TESTING	2

*Data for 2013 from 1st Jan 2013 to 30th Nov 2013.

ARTERIAL BLOOD GAS LABORATORY: TESTS PERFORMED – 48003.

NUMBER OF ALLERGEN TESTS PERFORMED : 117

	Number of admissions
IRCU	200
WARD	827
TOTAL	1027

Total admissions 2013- 1/1/2013 to 30/11/2013

OPD	Numbers
NEW	6500
OLD	16758

Procedures	
BRONCHOSCOPY	85
PLEURAL TAPPING	201
SLEEP STUDY	42
LYMPH NODE FNAC	185
PLEURAL BIOPSY	1
CT Guided Biopsy	10

*Data for 2013 from 1st Jan 2013 to 30th Nov 2013

Clinical Pharmacology

- Therapeutic drug monitoring OPD: A total of 2059 patients were seen. There were 992 follow up patients and 1067 new patients. Blood level estimations were done for phenytoin, phenobarbitone, carbamazepine, carbamazepine epoxide, valproic acid and lamotrigine.
- Malaria OPD: A total of 9751 slides were screened. 791 were positive *P.vivax*- 775 , *P.falciparum*- 14, mixed infections- 2.

CVTS

- Four outpatient clinics weekly, 625 new cases evaluated
- Total admissions- 689, 405 open surgeries, 73 closed surgeries, 77 emergency surgeries

Dermatology

- *Special opd for patients*
- Monday –Steroid clinic, Tuesday-vitiligo clinic, Wednesday-psoriasis clinic, Thursday- Paediatric dermatology, Friday-Acne clinic, Saturday-Hair clinic
- *Multiplatform harmony laser machine*, which has revolutionized the treatment of following untreatable diseases: Stable vitiligo, Hirsutism, Acne scars, Psoriasis, and facial Rejuvenation
- *Other facilities:* -Phototrichogram in androgenic alopecia, Derma -roller for treatment of atrophic scars, Dermatoscopy for various pigmentary disorders guides therapy, Peels for acne, skin rejuvenation and pigmentation, Follicular hair transplantation in androgenic alopecia and vitiligo, Dermaroller therapy for patients of androgenic alopecia
- *Procedures:* ILS for keloid and related conditions, Molluscum extraction and needling, Comedon extraction and needling, Parring, Wart –TCA application, Electro cautery for various skin conditions like skin tag, verrucous growths, cherry angioma and tricho-epithelioma.
- *Surgeries:* Vitiligo- punch grafting and suction blister, Cyst excision, Nail avulsion, Scar subcision of acne, Lipoma excision

Endocrinology

Indoor admissions: 318

Outdoor patients:

	Old proforma	New patient	Old Patient	Total
Diabetes Clinic	7030	3912	7417	18359
Thyroid Clinic	2547	4596	6879	14022
P&G Clinic	2553	1190	1561	5304
Total :	12130	9698	15857	37685

A. Overall highlight of patient care services (numbers of each service)

All services are carried at OPD No. 103, 1st floor old building. EXT: 7317, 7491

Monday: Diabetes OPD-discussion in OPD

Reassessment of old diabetes patients

Tuesday: Diabetes OPD-Clinical Discussion in OPD

Thyroid Clinic

Wednesday: Ward Round-Presentation and Discussion of Ward Cases

Pituitary meet: 1st Wednesday of every month. Here challenging cases are discussed with Neurosurgeons, Endocrinologist, Radiation Oncologist, Radiologist, and Neuropathologist for patient care improvement.

Thyroid meet / Histopathology meeting: 2nd Wednesday of every month. Here challenging cases are discussed Endocrinologists, Radiologist, and pathologist for patient care improvement.

Adrenal meeting: 3rd Thursday of every month

Case based discussion between urosurgery, general surgery, radiology, pathology and Endocrinology.

Inter-college Mumbai Endocrine group meeting: 3rd Wednesday of every month

Interesting case discussion.

Webinar with CMC Vellore Endocrinology : Last Tuesday of every month
 Interesting case discussion.
 Dsd meet : Second Wednesday of every month

Thursday: Type1Diabetes Clinic
 Diabetes Clinic – discussion in OPD

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

Saturday: Puberty and Growth OPD
 (Gestational diabetes cases seen on all days)

B. New services added with numbers CDiC project- Changing Diabetes in Children: Type 1 diabetes in economically under privileged children in India”. Around 200 T1DM cases enrolled.

Hormone Assay Report 2013

Sr.No	Test	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Total
1	Blood sugar	1899	1643	1737	1819	1434	854	742	1006	729	839	830	13532
2	T3	1442	857	1148	1055	989	570	854	901	922	1048	825	10611
3	T4	1381	901	1187	1114	1054	607	882	946	976	1063	829	10940
4	TSH	2171	1422	1700	1780	1611	1012	1563	1584	1558	1621	1573	17595
5	AMA	202	110	145	213	156	41	120	111	118	120	125	1461
6	FSH	172	122	142	160	192	72	114	101	141	129	139	1484
7	LH	173	121	148	170	209	112	111	99	148	115	149	1555
8	PRL	151	124	166	140	269	110	129	105	160	138	178	1670
9	Testo	124	65	120	119	146	66	57	53	91	74	90	1005
10	Cortisol	190	129	178	190	282	111	127	104	93	116	153	1673
11	PTH	180	62	154	153	121	30	96	94	75	71	70	1106
12	ACTH	53	50	47	26	50	4	13	1	0	0	67	311
13	IGF1	15	0	76	5	0	0	0	0	0	0	0	96
14	IGFBP3	0	0	2	1	0	24	0	0	0	0	0	27
15	HGH	59	20	52	39	19	8	15	12	23	22	40	309
16	UFC	0	0	0	0	0	0	0	22	23	0	20	65
	Total	8212	5626	7002	6984	6532	3621	4823	5139	5057	5356	5088	63440

E.N.T

Total inpatients admission – 1520
 Total major surgical procedure –1812
 Total New out patients –24,212
 Total Follow up patient - 20,186

Forensic Medicine

- Estimation of age of 148 persons including sportsperson, employees of Reliance and others.
- Consultation to surgery and medicine wards regarding the injury certificates in admitted cases.
- Expert opinions given on different ante mortem Cases Like: Sexual Assaults, Violent Asphyxias, Poisoning Cases,

- Forensic Odontology Expert Opinion given on cases of Sexual Assault, identification of unknown & Age assessment.
- Total -94

Gastroenterology

The Gastroenterology O.P.D. is conducted four times a week on Monday, Wednesday , Friday Special Care Liver and Saturday morning. **Number of patients seen:**

O.P.D. Patients	
New patients	3967
Indoor Patients	
Admitted to Gastroenterology wards (does not include referred patients)	950
Procedures	
Diagnostic	
Upper GI Scopy	1450
Colonoscopy	775
E.R.C.P.	300
Proctoscopy	700
Liver Biopsy	110
Therapeutic Procedures	
Esophageal Variceal Sclerotherapy	100
Esophageal Variceal Band / Loop Ligation	100
Endoscopic clipping for bleeding lesions/ polyps	8
Esophageal Dilatation	50
Esophageal Prosthesis Placement	3
Gastric varices injection with glue	5
Bleeding Ulcer Injection	10
Argon Plasma Coagulation	10
Endoscopic biliary sphincterotomy and drainage	250
Endoscopic pancreatic sphincterotomy and drainage	50
Pancreatic cyst drainage	5
Polypectomy	10
Foreign Body removal	20
Percutaneous endoscopic gastrostomy	5
Rectal Stricture Dilatation	0

Special Procedures

Endoscopies in children are done under general anesthesia

Special Investigations

Esophageal Manometry was done in **121** patients.

Anorectal manometry: **134** Antroduodenal – nil

Special services for patients: 24-h emergency service, especially for patients with GI bleeds, pancreatitis, cholangitis and liver disease complications

GI Surgery

NAME OF SURGERY	NOS
Esophagectomy for Ca Esophagus	9
Esophago-coloplasty for Corrosive stricture	7
Cervical Esophagostomy with Dilatation for Corrosive stricture	3
Esophageal dilatation	11
Radical Gastrectomy for Ca Stomach	13
Gastrojejunostomy for Palliation in Ca Stomach	7
Feeding Jejunostomy for Ca Stomach	6
Whipple's Surgery for Ca Pancreas	14
Triple Bypass for Inoperable Ca Pancreas	4
Extended Frey's Surgery for Chronic Pancreatitis	19
Cysto Jejunostomy for Pseudo-cyst of Pancreas	5
External drainage of Pseudo-cyst of Pancreas	1
Pancreatic Necrosectomy	9
Hepatic Resection	11
Extended Cholecystectomy for Ca Gall Bladder	4
Open Cholecystectomy	5
Hepatico-Docho-Jejunostomy with Hepp-Counaid technique for Bile duct Injury	16
PSR Shunt surgery for PHT	9
Devascularization Surgery for PHT	3
Open Splenectomy	5
Surgery for GIST	4
Total Proctocolectomy with Ileo-Pouch Anal anastomosis using double stapling technique for Ulcerative Colitis	12
Low Anterior resection using double stapling technique	5
Extended Right Hemi colectomy	7
Haemorrhoidectomy	4
Sigmoid Colectomy	3
Colostomy Closure	4
Name of Surgery (GI) contd.	Numbers
Small Bowel Surgery	21
Ileostomy Closure	17
Lap Cholecystectomy	98
Lap Splenectomy	15
Lap Total Colectomy	6
Lap Right Colectomy	12
Lap Left Colectomy	7
Lap Nissens Fundoplication for Hiatus Hernia	5
Lap Heller's Cardiomyotomy	8
Lap Appendicectomy	18
Lap Gastrectomy	1
Lap Adrenalectomy	1
Diagnostic Lap	15
Total	424

Hematology

- Patients requiring indoor admissions are admitted to Ward 42 on the 10th floor, New Multistorey Building.
- There are daily routine and emergency admissions of patients with all hematological disorders, bleeding disorders and other hematological emergencies.
- The department also runs a **chemotherapy service** for patients of hematological malignancies. This is done both on an indoor and an out patient basis as a day care service.

In patient service

BEDS : Total - 25 [Allotted].

Indoor Service : Ward 42

Month wise

Admission/death

January 2013	73/3
February	61/3
March	67/1
April	67/5
May	70/3
June	57/1
July	70/2
August	80/3
September	85/2
October	87/4
November	80/5
December	<u>60/1</u> up to 20.12.13 857/33

Day Care:

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

This includes patients of:

- Thalessemia for blood transfusions,
- Bone marrow failure syndromes for blood & platelet transfusion
- Hemophilia's & other coagulation disorders for factor treatment and physical therapy
- Platelet disorders for transfusions
- Leukemias & lymphomas for chemotherapy, oral, I,V, & Intrathecal.

Day care patients: 3244

Investigations Haematology Laboratory (10th floor)

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

Laboratory information: Jan to Nov 2013

TESTs carried out

CH - 10139, RETIC - 2223 , TC/DC - 10139 , ESR - 37, Plt.C - 10139, MP - 30, BMA- 743 , PT – 350, MPT 71, APTT – 154, mPTT - 44

Medicine

- New Patients 21340
- Old patients 32123
- *Rheumatology OPD*- New patients - 8500, Follow up patients – 9985, Admitted patients- 650
- *Geriatric OPD*- New patients 50, Old patients 196
- *HIV OPD*- New patients 300, Old patients 6780
- *Hypertension OPD*- New patients : 950, Old patients 7000, Total 7950
- *Headache OPD*- New patients 980, Old patients 794
- *Monsoon related illnesses*- Male – 2126 Female Ward- 1824
- Total 23 ventilators - to provided noninvasive & invasive mechanical ventilation to Acute lung injury/ ARDS/ Respiratory/ depression/ Cardio respiratory failure patients.
- Number of patients treated on ventilator- 450
- Plasmapheresis- given to Guillian Barre syndrome, myasthenia gravis, TTP, polymyositis, both MICU patients and medical ward patients with help of plasmapheresis pump (1- 2 per month).
- Renal replacement therapy was also given
- CAVH, CVVHDF on CRRT machine available in MICU.
- 2D ECHO done on 332 patients
- 37 bronchoscopies done
- 5 percutaneous tracheostomies done
- 16 Multipara Monitors and 1 USG & 2D Echo Machine procured for critically ill patients.
- 1new ECG machine and 2 Defibrillator procured for patient care.

Microbiology

Emergency laboratory services are available after routine hours. Approximately 25000 specimens have been processed in emergency lab. The clinical bacteriology division performs routine detection for methicillin resistance, vancomycin resistance, ESBL, AmpC and carbapenemase. MIC determination is carried out for those antibiotics for which disk diffusion is not recommended. This includes penicillin, vancomycin, colistin, imipenem and meropenem. The division takes part actively in infection control activities. The department plans to accredit all its testing services by NABL. The annual workload for the different service divisions of the department was as follows:

Section	Total samples processed in 2013
Bacteriology specimens processed / ABS	90,000 / 33000
Virology & Immunology (HIV,HBV,HCV,CD4,RPR)	85000
Mycobacteriology	31,000
Mycology	3100
Serology (other than those listed below)	6500
Serology - Lepto, Dengue, Chikungunya	16500
Parasitology - Stool	7000
Parasitology – Malaria antigen detection (RDT)	5200
GeneXpert MTB/RIF Assay	220

Neonatology

Neonatal Intensive Care Unit : 37 beds

Sections	Type of Services	Cost strength
A	Inborn aseptic neonatal care area	13
B	Inborn septic & out born neonatal care area	11
C	Intermediate care area	09
V	Ventilatory care area	04

Section A: Babies born in K.E.M. Hospital who are not infected are kept in this area.

Section B: Babies born in K.E.M. hospital who are at risk of developing infection or babies transferred from other municipal or private hospitals are managed here.

Section C: This section renders intermediate care to the neonates. The babies who do not require close and continuous monitoring are looked after here.

Ventilator section: The babies requiring ventilatory care are closely monitored and managed here.

Human Milk Bank : Human milk bank is an institution established for the purpose of collecting, screening processing, storing & distributing donated human milk that is dispensed to recipients who are not the biological off springs of the donor mother.

Kangaroo Mother Care Center : The department is selected as the center of excellence for initiating Kangaroo Mother Care for Low Birth Weight babies in India, **the first** & one of the regularly followed up here for growth, nutritional status, neuromotor, neuro developmental & neurosensory assessment & early intervention therapy is institutes when required.

Quantum of patient care :

Total no of babies born	8110
No. of LBW babies	3346
NICU admissions	2035
Preterms	1933
Ventilated neonates	
No. of KMC recipients	951

Nephrology

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

Total No of OPD patients	Old –10684 New – 2482
Indoor patients	1716
Referred patients	7560
Kidney biopsies	156
Peritoneal dialysis	35
C.A.P.D.	13
Haemodialysis performed	6319
Kidney transplants	36

Tests done in A.K.D. Lab. From Jan. 2013

Complete Blood Count	21437
Urine Routine & Microscopic	25197
24 hrs. urinary protein	22485
Urine Creatinine	2415
Urine Culture	4518
Sensitivity Extended	1840
Misc. Culture	50
Sensitivity Routine	15
Sensitivity	15
Blood Culture	410
Sensitivity routine	110
Sensitivity extended	110
Australia Antigen (Elisa)	2445

HbsAg	
HCV	1546
Urine Osmolality	1218
Serum Osmolality	841
Urine PH	700
Stool routine	120

Biochemistry from June to Nov. 2013

BUN	7915
Creat	10655
Total protein	3085
SGOT/AST	5470
SGPT/ALT	5858
Na+/Sodium	8698
K+/Potassium	8698
Cl - / Chloride	8698
Phosphorous	6139
Alkaline phosphatase	3802
Uric Acid	2213
Glucose	3570
Bilirubin Total	454
Direct	454
Albumin	4223
Calcium	6281

Neurology

- Special services for patients-Pre-surgical evaluation of refractory Epilepsy
- Special facilities for patients – Botulinum toxin for movement disorder.
- New facilities provided – Epilepsy surgery OPD – for New and follow up of patients who undergo pre-surgical work-up or are already operated. It is a combined effort from Neurology, Neurosurgery, Neuropsychology and Psychiatry department to streamline the services of Comprehensive Epilepsy Center. Gradually more and more patients are enrolled for this OPD.
- EEG – RMS EEG - 797
- EMG–nerve conduction - 204
- Patient load: Neurology (new 5722, old 7465), epilepsy (new 3500, 6750), indoor admissions 870, EMGs- 204, video EEG 1283

Neurosurgery

Approximately 2000 operations are done by the departmental staff. Of these there are 450 operations done for head trauma in the general surgery operation theatre by the neurosurgical staff. 1500 surgeries were performed in the neurosurgery operation theatre.

Video EEG and neuropsychological assessment is available for evaluation of epilepsy patients.

Radionics CRW Stereotaxy apparatus is available to perform deep brain biopsies and functional neurosurgery.

Brainlab Neuronavigation system installed for image guided cranial and spinal surgeries.

Digital subtraction angiograms and endovascular neurointerventional procedures are now being performed. Carotid stenting, coiling of aneurysms and treatment of cranial and spinal arteriovenous malformations is being routinely done.

Obstetrics and Gynecology

Total No. of confinements	7978 till 1 st week of Dec.
Total major surgeries (Obstetric OT)	2918
Total minor surgeries (Obstetric OT)	1817
Total surgeries (Gyn OT)	863

Ophthalmology

This dept. has an outpatient dept. and operations are being performed in O.T. on all days. It has a special ward for keratoplasty patients. It gives complete Eye care in the form of various Ophthalmic procedures like contact lens, intraocular lens implantation, keratoplasty, fluorescein angiography & vitreo retinal surgery, diagnostic facilities with ultrasound, slit lamp, perimeter are available for out patients and for these specially referred. There is a well-established "EYE BANK" with facilities for enucleation, storage use of the balls. This dept. is a well-known centre for diseases of the posterior segment of eye. Vitreo Retinal Surgery is regularly done in the dept. Weekly diabetic retinopathy careening activities including fundus photography fluorescein angiography and laser conducted in association with Aditya Jyoti Eye Hospital involving mobile van.

Total Operations ; 3000

Total Admissions : 16000

New services added with numbers : Operating Microscope (3 Nos)

Orthopedics

Orthopaedic department performs over 3000 major and 2000 minor surgeries including 300 joint replacements, 200 arthroscopy cases and 500 spine cases. The number of OPD cases seen is approx. 100 new cases besides follow-up of old cases.

Three theatre complexes:

1. *Routine Orthopaedic Operation Theatre*: Two theatre rooms (both with laminar flow).
2. *Joint Replacement & Spine Surgery Theatre*: State of the art Joint Replacement & spine surgery theatre. This theatre complex is exclusively for Joint & Spine surgeries.

Orthopaedic Trauma Services Theatre: Two operating rooms located in the Emergency Medicine Services Complex

Pathology

The Department of Pathology, besides undergraduate and postgraduate teaching, has the largest number of laboratory services rendered to the patients and these for the sake of convenience are housed in different areas of the hospital.

CVTC Laboratory 116 (CVTC Building First Floor)

Annual Workload

a. total PM specimen received (PM+ML)	353
b. total PM Blocks Made (PM+ML)	4375
c. total PM slides stained (PM+ML)	8948
d. Surgical specimen received	276
e. Surgical block made	772
f. Surgical slides stained	1020
g. Cytology specimen received	537
h. Cytology slides stained	1611
i. special stain +Sr. cut+ Deep Cut + MS+NS+ other sp. Stain	625
j. Total slides stained	13478
k. Total specimen received (PM+ML+Surgical +Cytology)	1237
l. Total slide stained (PM+ML+Surgical +Cytology +NS+DL. special stain +Sr. cut)	14668
m. Total block made (PM+ML+Surgical +NS+MS)	5147

CVTC Laboratory 315 (CVTC Building First Floor)

Annual Workload

a. Blood Collections (OPD+ Wards)	21,597
b. Hemograms	15,979
c. Platelet counts	4053
d. Prothrombin time	26,172
e. BT-CT	10
f. Routine Urine Examination	2634
g. Routine body Fluid Examination	1727
h. Serum Cholesterol	19,537
i. Serum Triglycerides	19,537
j. HDL	4,578
k. LDL	4,578
l. VLDL	4578
m. Serum Amylase	715
n. CPK	1296
o. CPK- MB	1296
p. LDH	332

CVTC Immunology Lab 316

a. CRP	6272
b. C3	1618
c. C4	1535
d. RA factor	1332
e. ACLA – IgG	307
f. ACLA IgM	307
g. B2 glycoprotein IgG	57
h. B2 glycoprotein IgM	57
i. Immunoglobulin E	232
j. Cryoglobins	21
k. Bronchalveolar lavage cytology	15

Cytology (library Bldg 2nd floor)

Total FNAC performed	3300
No. of slides generated from FNAC	25600
PAP stain carried out on	12800
Giemsa stain carried out on	12800
No. of fluid samples for cytology	340
PAP stain carried out on	1360
Giemsa stain carried out on	1360
No. of PM slides for Giemsa	177
Total No. of IHC done for cyto slides	25

O. C Laboratory

Hemograms	8009
Biochemistry	5923
Total :	13,932
Hb	8009
PCV	1741
ESR	8009
WBC total	8009
WBC differential	8009
MP	123
BT/CT	00

<i>EMS laboratory</i>	
Hemograms	83, 308,
Smears for malarial parasites	70,789
Arterial Blood Gas	40,500
CSF	1864
<i>Surgical Pathology (library bldg 2nd floor)</i>	
No. of specimen	8362
No. of blocks	35450
No. of slides prepared	103275
No. of special stain	7214
No. of frozen section	39
No. of frozen bits cut	78
No. of kidney biopsies	259
No. of kidney blocks	516
No. of Bone marrow blocks	241
No. Spl Stains	2580
No. of Liver Biopsy	240
No. of Block prepared	730
No. of slides and Spl stains	5840
No. of Blocks	274
No. of slides	1096
<i>Clinical Pathology and Hematology (MSB 6th floor)</i>	
Hemograms	2, 23,260
Malarial parasites	4685
Optimal / QDX (Malarial antigen test)	5845
Platelet count	36,793
Special investigations (RBC, sickling, LE cell, Retic count, buffy coat, Microfilaria)	61,065+218+01+1071+811+1702 =64868
Special stains for leukemia	87+92 = 179
Bone marrow biopsies, Bone marrow Aspirate & Imprint	220+349= 569
Urine examination	68998
Fluid samples for microscopy	2183
<i>Neuropathology</i> (MSB 6 th floor)	
<i>Clinical Pathology</i>	
No. of Hemograms	1029
No. of CSF examined	1081
<i>Biochemistry</i>	
No. of Asctic/Pleural	2441
Proteins urine porphry	1081
<i>Histopathology</i>	
No. of tissues received	1175
No. of blocks prepared	3269
No. of slides prepared	3667
No. of tissue for cryo/squash	68/260
No. of CSF cyto/ Cryptococcus	456
<i>Autopsy</i>	
No. of brains received	456
No. of blocks prepared	2141
No. of slides prepared	2076

With special stains

Clinical & Hematological Services OPD 008

Outpatient Department Laboratory (MSB Ground Floor)

a. Blood collections:	2, 31,703
b. Hemograms:	88,314
c. Coagulation profile (BT/CT):	1944
d. Routine urine examination:	47,698
e. Malarial Parasites	940
f. Platelet count	2780

Autopsy: Total No. Autopsies Performed: 300 + 1230 (MLO PM) = 1530

Pediatric Surgery

- Total admissions –2179
- Surgeries – 1192
- Major surgeries – 707
- Minimal access surgeries – 188
- Minor surgeries – 485

PSM

I. Services in KEM campus:

a) General OPD services:

Month	Male	Female	Total
December 12	3622	7055	10677
January 13	3304	6335	9639
February	2818	5527	8345
March	2704	5284	7988
April	2441	4764	7205
May	2155	4213	6368
June	883	1766	2649
July	2259	2259	4518
August	3693	6304	9997
September	3621	7106	10727
October	1719	3438	5157
November	3643	7121	10764
Total	32862	61172	94034

In the same premises, screening of BMC employees is also carried out for infectious diseases and chronic diseases. A total of 3561 employees (male – 2528, female – 1033) were examined in 2013.

Morbidity :

Sr No		Male	Female	Total
1	Muscleskeleton	5728	10771	16499
2	Fever	5354	9931	15285
3	Headache	3766	7018	10784
4	ARI	2851	5244	8095
5	Chest pain	2066	3813	5879
6	AGE	1056	1936	2992
7	UTI	883	1670	2553

8	Cough with Expect	490	892	1389
9	PS for MP	566	941	1507
10	Ref for Bl. Sugar	499	907	1406
11	Skin	239	426	663(100% of referral)
12	STI/RTI	86	157	243 (100 % of referral)
13	ICTC referral	84	153	237
Total		26,181	48,451	74,632

b) Immunisation OPD :

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

Vaccine beneficiaries:

Vaccine	Male	Female	Total
BCG	1848	1618	3466
OPV 0	1135	1100	2236
DPT 1, DPT2, DPT 3/ OPV1, OPV2, OPV3	2170	1761	3931
HBV 1 , HBV 2, HBV 3	2170	1761	3931
Measles	489	465	954
MMR	297	273	570
DPT / OPV B1	394	343	737
DT / OPV B2	197	111	278

In addition, 6 rounds of National Pulse Polio immunisation on Sundays followed by a week of IPPI activities within the campus were conducted in the year of 2013.

c) 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 are 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 checkup camps are carried out in the vicinity of the outbreak areas by the PSM residents.

The total cases (disease under surveillance) admitted in KEM Hospital this year were 4192.

II. Services at Naigaon Health Centre:

Naigaon community is one of field practice areas of the department of PSM. The various activities conducted in the Naigaon community are as follows:

- General OPD (Geriatric Clinic) on every Wednesday & Friday.
In the year 2013 till date, 1580 patients were examined in the General OPD at Naigaon.
- Under Five Clinic at Naigaon Maternity home on every Tuesday & Friday.
In the year 2013 till date, 293 beneficiaries attended this clinic.

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:

Patient Visits in General OPD & Pediatric OPD

	CHILDREN		ADULT	TOTAL
	0-5 YEARS	6- 12 YEARS		
MALE	8717	5932	17119	31768
FEMALE	8075	6118	28642	42835
TOTAL	16792	12050	45761	74603

Total OPD collection: Rs. **4,80,660**

Special OPDs :

OPD		NO. OF PATIENTS
Dental		339
Psychiatry	New	82
	Follow up visits	1535
	Total	1617
Ophthalmology	Cataract surgery	25
	Optometry	161
	Total	186
Dressing		2
Injections given		2112
Skin		6000

Patient visits in Chronic Patients OPD

DISEASE	MALE	FEMALE	TOTAL
HYPERTENSION	427	1811	2238
DIABETES	140	520	660
IHD	9	39	48
BRONCHIAL	16	115	131
HT with DM	272	1428	1700
HT WITH IHD	2	6	8
HT with BA	7	4	11
Others	3	3	6
TOTAL	876	3926	4802

National Health programmes:

REVISED NATIONAL TUBERCULOSIS CONTROL PROGRAMME

CAT I								CAT II										TOTAL		Total patients
NSP		NSN		NEP		TOTAL		R		F		TAD		OTHER		TOTAL				
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
77	78	37	55	50	79	164	223	36	21	3	4	13	5	26	28	78	58	241	270	

Well Baby Clinic: Patient Visits

	Normal	Mild	Severe	TOTAL
New cases	126	48	19	193
Old cases	141	61	24	226
Total	267	109	43	419

UNIVERSAL IMMUNISATION PROGRAMME :

SEX	MALE		FEMALE		TOTAL
	< 1yr	> 1 yr	< 1yr	> 1 yr	
BCG + OPV	324	0	385	0	709
DPT + OPV	800	0	651	0	1451
HBV	723	0	513	0	1236
MEASLES	156	0	120	0	276
BOOSTER1 & 2 (DPT)	0	175	0	173	298
MMR	0	113	0	76	189
TT	0	50	0	48	98

IDSP:

Disease	Patients Screened		Patient found Positive		Positive patients started on Treatment
	Adults	Children			
Tuberculosis suspects	1665	192	290		228
Malaria suspects	2952	1613	P. vivax	25	
			P. falciparum	03	
Suspected AGE	698	838	0		0
Suspected Measles	12	0	0		0

National AIDS Control AND STI Programme:

HIV/TB coordination activities-

Referral of suspected TB cases from ICTC to RNTCP	-	230
Referral of diagnosed TB patients from RNTCP to ICTC	-	347
Referral from ICTC to STI	-	238

SERVICES PROVIDED	MALE	FEMALE	TS/TG	TOTAL
ICTC Services:				
Pre Test Counseling done	859	981	139	1979
Test Conducted	850	971	139	1960
HIV Positive	20	21	18	59
HIV Negative	830	950	121	1901
STI OPD Services:				
No. of patients who visited STI OPD	516	1173	90	1779
No. of patients counseled	768	1444	134	2346
No. of condoms provided	361	3876	0	4237
No. of RPR/VDRL tests conducted	545	565	79	1189
No. of partner notification undertaken	57	653	0	707
No. of partners managed	548	50	0	598
No. of patients referred to ICTC	138	787	0	925

Laboratory investigations

Investigation	No. of patients
Hb. – routine	125
Blood group	15
ESR	231
FBS/PLBS	328
RBS	194
Sputum AFB	385
Sputum AFB Negative	2295
UPT positive	62
UPT negative	93

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 2013 are as follows :

a) Pise-Panjrapur RHTC :

1. Health check up of 700 employees of Pise-panjrapur water treatment plant.
2. School Health check up services :
- 3.

Location	No.of beneficiaries
i) Health check up at Z.P. school Pise	377
ii) Health check up at Primary school Amne	244

b) Sakwar RHTC :OPD SERVICES:

OPD	ADULT		CHILDREN	TOTAL
	MALE	FEMALE		
General	7018	9541	2774	19333
TB	176	183	106	465
Leprosy	427	360	62	849
Skin	1489	1650	402	3541
Dental	903	1166	123	2192
Ophthalmology	208	265	15	488
Total	10221	13165	3482	26868

LABORATORY SERVICES:

INVESTIGATIONS	TOTAL NO OF PATIENTS
HB,CBC,ESR	789
BLOOD SUGAR	1185
PSMP	412
LFT	69
BLOOD UREA, CREATININE	47
SPUTUM FOR AFB	553
URINE	306
UPT	161
X RAY	119
TOTAL	3645

MICROSCOPIC TESTS:

Investigation	No of patients		Total
	+ve	-ve	
Sputum for AFB	61	492	553
PSMP	72	340	412

Total TB Patients diagnosed referred to respective PHCs: 61; Injections given : 2554
Dressings done : 314

c) Khadavli RHTC :

General OPD:

Months	Adult		Children		Total
	Male	Female	Male	Female	
January	324	477	143	76	1020
February	354	504	163	96	1117
March	485	568	198	134	1385
April	246	237	227	260	970
May	223	152	270	312	957
June	221	229	274	232	956
July	481	384	401	293	1559
August	452	356	365	294	1467
September	298	442	212	360	1312
October	350	484	251	163	1248
November	416	522	196	124	1258

Ophthalmic morbidity: Cataracts – 40 , Others - 24

Snakebite – 26, Scorpion bite - 158, Dog bite – 140

Leprosy New patients : Adult : 26 , Children : 13, Old patients : Adults – 156, Children – 80

RNTCP: Pulmonary TB - Smear Positive -: New – 16, Relapse/TAD - 6

Immunization:

Month	BCG	DPT				HBV			Measles	DT	TT (10yrs)	TT (16yrs)
		I	II	III	B	I	II	III				
Jan	48	46	46	48	41	46	46	48	40	35	39	27
Feb	52	50	46	46	46	50	46	46	42	49	48	46
Mar	39	48	50	46	30	48	50	46	51	59	30	63
April	47	47	40	35	51	47	40	35	45	17	20	28
May	36	38	53	46	39	36	51	45	32	16	21	20
June	47	64	42	55	44	63	42	57	44	07	34	12
July	50	60	65	46	62	59	58	42	58	76	107	39
Aug	38	46	63	59	61	46	65	61	58	48	82	155
Sept	49	64	54	59	50	62	54	62	37	50	31	35
Oct	65	51	55	56	50	52	55	58	61	50	28	30
Nov	60	54	47	45	48	54	47	45	47	23	18	12

ANC:

Month	ANC Registratio n	TT ₁	TT ₂	BOOSTE R	FSF A	Home Delivery	Institution al Delivery	High Risk Pregnancy
Jan	49	26	28	29	162	00	50	00
Feb	49	34	26	16	151	03	48	00
Mar	50	26	34	23	143	00	51	08
April	43	27	26	16	168	02	67	09
May	36	18	27	18	125	00	53	09
June	68	37	19	22	164	04	45	09
July	68	32	36	38	171	01	45	09
Aug	71	37	32	27	206	01	46	13
Sept	67	35	38	18	204	04	51	09
Oct	57	37	41	21	184	01	56	07
Nov	57	32	43	13	183	01	67	07

Laboratory reports:

Month	Hb %	HIV	Urine (R/M)	UPT
Jan	120	56	104	32
Feb	109	67	112	23
Mar	127	39	48	14
April	67	25	24	00
May	76	00	28	22
June	94	35	48	34
July	47	46	42	19
Aug	56	28	38	17

Sept	47	41	41	46
Oct	94	34	48	34
Nov	94	95	40	34

Microscopic tests:

Month	Sputum AFB		PS for MP	
	Positive	Negative	Positive	Negative
Jan	00	00	04	526
Feb	00	00	03	485
Mar	02	28	11	510
April	02	12	06	130
May	00	00	16	60
June	00	00	07	653
July	00	00	02	235
Aug	00	00	05	171
Sept	00	00	08	182
Oct	00	00	07	553
Nov	01	00	04	55

V) SPECIAL ACTIVITIES AT RHTC :

a) Pise Panjrapur RHTC:

- Conducted workshop on prevention of Hypertension and its risk factors for employees of Panjrapur water treatment plant on occasion of WHO day.
- Conducted IEC session on Diabetes Mellitus and Hypertension for employees of Pise water treatment plant.
- Active participation of RMOs of Community Medicine in National Pulse Polio Program.
- IEC on care in pregnancy, danger signs in pregnancy & IYCN was given to ANC mothers at Khardi camp.
- Visit of RMOs of Community Medicine department to District Public health lab at Thane.
- Manav Vikas Shibir at Khardi PHC : Total no.of beneficiaries = ANC mother - 645
Children – 267

b) Sakwar RHTC :

Sr.no	Activity
1	Health education on ANC care, anemia in women, geriatric illnesses on occasion of Mahila Melava.
2	Arranged and performed Skit on TB and Deaddiction
3	Conducted workshop on Hypertension on WHO day Theme “ High blood pressure”.
4	Health education to about 112 old age people about diet, exercise and common geriatric problems.
5	Adolescent health initiative training of ITI students at RHTC Sakwar
6	IYCN training of CHWs
7	IYCN training theme breast feeding support close to mother of ASHA workers at Durvesh PHC on account of world breast feeding week.
8	World breast feeding week celebration 2013: street play by CHWs and essay competition on Breast feeding by CHWs.
9	15 th Aug. celebration at RKM and Sakwar village.
10	Training session conducted for Anganwadi workers on anemia.
11	Skit performance about non communicable disease done by Interns to ITI students.
12	Awareness of blood donation training for ITI students of RKM

13	Skit performance about TB by CHWs.
14	Organised and conducted quiz programme for CHWs about drugs to increase their knowledge about drugs.
15	Done IPPI with ANM and AWW at Kelichapada and taught CHWs about marking.
16	Conducted hand washing training for ITI students, skit on HIV and TB by CHW students, Quiz and training on Breast feeding and Nutrition for CHWs.

c) Khadavali RHTC :

1. Field visit for finding mosquito breeding sites and its elimination
2. Disinfection of wells
3. Monthly meetings at PHC – RKS, ASHA, AWW, DOTS
4. Meetings on monsoon related illnesses
5. Visit to Gram Panchayat office to understand its functioning & administration
6. TL / NSV camps at Khadavli PHC
7. Eye checkup camps
8. Visit to Matoshri old age home, Khadavli (W)
9. Visit to self help groups
10. “Aao Gaon Chalein” project for screening of NCDs run by IMA Mumbai Branch in collaboration with Dept of Community Medicine
11. Workshop on “Adolescent Girls/Boys Initiative” at adiwasi ashram school of Khadavli.
12. Management of cases of Scorpion, Snake and Dog bites under supervision of Medical Officer.
13. DHO meeting at Zilla Parishad, Thane with MO of PHC Khadavli and learned about different activities going on at meeting.
14. Intensive pulse polio immunization – Evaluation and monitoring
15. Home visit – High risk pregnancies, Leprosy, TB pts.
16. Visit to brick kilns for assessment of immunization coverage, IEC on vector borne disease control, nutrition, sanitation, etc.
17. Health Education during Mahila Shibir at Phalegaon Sub centre as a part of Womens Day Celebrations.
18. Conducted workshop on Hypertension on WHO day Theme “ High blood pressure” for ANMs, AWWs & ASHAs at Khadavli RHTC.
19. Conducted HE session on Hypertension on WHO day Theme “ High blood pressure” for community people at Phalegaon Sub-centre.

Pediatrics

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

Patient Services	2013 (till 30th Nov 2013)
General Pediatric OPD	28739
Indoor Admissions	5351
EMS Admissions	2821
EMS Attendance	28458
PICU Admissions	464
Under Five Clinic	3370
Pediatric Rheumatology Clinic	192
Pediatric Nephrology Clinic	575
Pediatric Chest Clinic	707 (46)
Genetic Clinic	619 (318)
School Clinic	934

Thalassemia day care centre admissions	1777
Pediatric Epilepsy Clinic	2357 (73)
Learning Disabilities Clinic	658 (437*)

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

Plastic Surgery

Round the clock Emergency Services are provided involving Maxillofacial injuries, Hand injuries, Skin cover for upper & lower limbs, Replantation & Revascularization of limbs and digits; Acute burns in adult females

Besides Routine Plastic Surgery, the dept. **specializes** in cleft lip and palate, complex vascular malformations of head, face & limbs, T. M. joint ankylosis, lymphedema, skin tumors, management of absent vagina and intersex related problems, microvascular surgery etc.

Joint Clinics : Hand, Maxillofacial Surgery, Brachial Plexus.

TRENDS –

Workload

Year	2013 (upto Nov.)
Indoor patients - Plastic surg	855
Indoor patients - Burns	90
O.P.D. Patients	8407
Casualty Reference	555
Routine operations	1155
Emergency operations	2010
TOTAL OPERATIONS	3165
Referrals from other departments	1281

SPECIAL SERVICES FOR PATIENTs :

Comprehensive hand clinic, Thursday 2.30 pm
 Maxillofacial - OPD Mondays, Ward 16, 2.30pm
 Breast Clinic – OPD Friday , 11 a.m. – 1 p.m.
 Brachial Plexus - OPD, 1st Tuesday of every month

,

8 a.m.

SPECIAL FACILITIES FOR PATIENTS :

Occupational Therapy services exclusively attached to our dept.

Physiotherapy

P.T. School & Centre has facility to offer specialty Physical Therapy patient care in following areas :

- Intensive care -Medical, Surgical, Respiratory Pediatric, Orthopedic and Neurology
- Trauma and Pain care
- Musculoskeletal Degenerative conditions
- Sensory Motor training for Musculoskeletal dysfunctions
- Rehabilitation with strength and endurance training
- Postural control and balance training with therapeutic exercise on Swiss Ball
- Manual Therapy for musculoskeletal conditions
- Hand Rehabilitation
- Joint Protection for Rheumatoid disorder

- Obesity and Fitness promotion
- Women's Health
- Sports Physical Therapy
- Cardio-Pulmonary Rehabilitation
- Adult Neuro Rehabilitation
- Pediatric Neuro Rehabilitation
- Syncope
- Amputee Rehabilitation
- P.T. following Gastric surgery & urogenital surgery
- P.T. for incontinence

Physiotherapy dept. provided services to_:

- * 3,00,000 patients - 1,30,000 – outdoor patients at Physiotherapy OPD
 - 1,85,000 - Indoor patients at Cardiovascular & Thoracic Centre, Orthopedic wards, MICU, SICU and general wards
- Daily average of P.T., OPD attendance - 600 patients
 - Daily average of PT Indoor attendance - 750 patients

New Services : Rehabilitation in spine conditions

New Facilities:

- Core strengthening for obese women
- Rehabilitation program for GBS patients
- Scapular control training for shoulder joint dysfunctions.

Psychiatry

The department provides Emergency services, Indoor facilities, Outdoor facilities, Investigation - Psychological & Medical Pharmacotherapy, Electro Convulsive Therapy, Psychotherapy (Individual & Group), Behavior Therapy, Group Psychotherapy for family of mentally ill, Psycho educational program, Occupational Rehabilitation

There are two main sections of the department

- A) General psychiatry – 60 BEDS
 B) Bombay De-addiction centre of excellence - 30 BEDS

General

The number of new patients seen in OPD - 6933
 Number of follow up patients - 38059
 Indoor admission - 521
 968 EEGs , 1116 ECTs and 1719 Psychological testing were performed.

Deaddiction Centre

OPD New cases – 1233 , Follow up cases -3458, Indoor Admissions - 253

Drug deaddiction laboratory work report (Jan 2013 to DEC 2013)

Urine Samples assessed for alcohol, morphine, cannabis , benzodiazepines, MDMA, cocaine, amphetamine, miscellaneous samples (Pudi, Tablet, Misri) - **13835**

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 attempts: - 155 , Sexual dysfunctions: - 140, Caregivers of Patients with Schizophrenia – 350,
 Geriatric clinic for old age patients – 250
- **Specialized Clinics**
 Child guidance clinic for children with psychiatric disorders
 New cases - 470, Follow up - 1250, Memory Clinic - 50

New services

- Savitribai Phule Stri Sansadhan Kendra (Gender Resource Centre) at Worli – Women related psychiatric problems are dealt with on every Thursday
- Sewri TB Hospital – WHO DOT Plus Programme- Clinical & Neuropsychological evaluation of patients with MULTIDRUG Resistant Tuberculosis patients carried out on every Tuesday
- Department of Psychiatry has started 24 hour Helpline facility as Mental Health Helpline (HITHGUJ) from 1st Feb, 2013, as an initiative of MCGM (Brihan-mumbai Municipal Corporation). Till 8th Dec, 2013, a total of 3082 persons were given the counseling service through helpline. A total of 8 trained counselors are providing the counseling services through helpline initiative.

Transfusion Medicine

- In addition to the routine services like grouping and cross-matching of 1.5 lakh Blood units per year, Transfusion Medicine provides single Donor Platelets (prepared by plateletpheresis) to patients, particularly to those with hematological disorders, monsoon related illnesses and those undergoing cardiac surgery. Total 7872 units of Random Donor Platelets and about 96 units of Single Donor Platelets (SDP) were issued for the patients.. The need of 150-200 blood units per day for patients admitted in our hospital is fulfilled by about 200-220 blood donation camps in a year with over 38100 blood units collected annually.
- Successful Stem cell apheresis has been performed
- Therapeutic Plasmapheresis has been started in the Department which is beneficial for patients of G.B. Syndrome, Polymyositis Myasthenia Gravis etc.
- Therapeutic phlebotomy has been started which is beneficial for patients of sickle cell anemia, and polycythemia

Urology

- 30 Beds in Urology Ward
- There are 4 Operation Rooms and operations are performed 5 days a week
- Three outpatient department sessions (OPD) every week
 - Stone Clinic - Wed. 1.30 to 5.30pm - 210 patients / OPD day
 - General Urology - Fri. 8.30 to 1.30pm - 165 patients / OPD day
 - Andrology - Fri. 1.30 to 3.30pm - 37 patients / OPD day
- Extension of patient services to other sister organization-Shatabdi Hospital, Govandi – Friday 12 noon to 2 pm OPD, Wednesday – OT, Wadia Hospital – Help to set up cadaver retrieval centre recognition and future transplant services, Bandra Bhabha & Cooper Hospital to get recognition as cadaver retrieval centres.

Investigative facilities offered

- Ultrasonography, Uro-flowmetry, Doppler ultrasound , Uroendoscopy, impotence studies, TRUS and pressure flow studies

Treatment modalities offered

- Management of stone diseases, uro-oncology , female urology, pediatric urology, laparoscopic donor nephrectomy, andrological surgeries, laser prostatectomy, stricture surgery for complex cases

COMMUNITY CARE

Anatomy

- The postgraduate students of the department contributed towards community care by attending the Fever OPD

Anesthesia

- The department conducted a basic life support training course for paramedical personnel to handle emergency scenarios. Residents regularly attend blood donation camps.

Chest Medicine

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

Following health surveys were conducted in the year 2013 (January 2013 to November 2013)

SR.NO.	DATE	AREA	TOTAL
1.	04/01/2013 to 22/01/2013	BMC Colony & MTP Colony Worli Naka Census:- 106 NEERI:- 78	184
2.	29/01/2013 to 05/02/2013	BSES CHS Gorai Borivali Medical Camp:- 22	22
3.	03/02/2013 to 12/02/2013	Mayfair Vikroli Parksite Census:- 45 Questionnaire:- 90 NEERI:- 31	166
4.	26/02/2013 to 01/03/2013	Maravali Chopra Colony NEERI:- 42 Medical Camp:- 42	84
5.	24/04/2013 to 15/05/2013	Chereshwar CHS Mahul Census:- 36 Questionnaire:- 97 NEERI:- 48 Medical camp:- 55	236
6.	26/04/2013 to 03/05/2013	Yewai Chemical Plant	27
7.	28/05/2013 to 07/06/2013	Ambapada Gavthan Chembur Census:- 99 Questionnaire:- 212 NEERI:- 11	322
8.	09/07/2013 to 20-07-2013	Anik Gaon, Shankar Deul Chembur Census:- 128 Questionnaire:- 156	284
9.	02-08-2013 to 14-08-2013	Vishnunagar, Chembur Census:- 164 Questionnaire:-195	359
10.	15-10-2013 to 29-10-2013	Gavanpada, Chembur Census:- 147 Questionnaire:- 199	346
11.	01-01-2013 to 30-11-2013	Asthma Education & Counselling	3251
		Total	5281

- The Department of EPRC also conducts an annual respiratory morbidity survey in chlorination plant workers from Bhandup and Pise-Panjra-Pol.

- Also this survey is conducted annually among workers at the sewage plant at the Versova pumping station.
- Chest Medicine was a part of team conducting awareness and treatment at Chaitya bhoomi on 4th -6th December 2013 for respiratory ailments and tuberculosis.
- *Asthma Education* has been provided to new patients and follow-up cases in the department.

Dermatology

Our resident doctors helped in conduction of several camps at

- Monsoon Camp every Sunday from 30th June onwards
- Free medical Camp Swami Vivekanand School, Malad.
- Dr. Babasaheb Ambedkar Mahaparinirvana Day Deputation of RMO at Chaityabhumi, Shivaji Park on 4th ,5th ,6th Dec.2013
- Bhandari samaj Free medical Camp from 13th & 14th Dec. At Goa.
- Big Medical Camp ward No. 132 at baiganwadi from 22nd Dec
- Big Medical Camp at Municipal High. No.2 Patang Nagar,Ghatkopar

Endocrinology

- Weekly visits to diabetes dispensaries at peripheral health centers attached to KEM hospital
- Training of medical officers attached to diabetes dispensaries
- Social Awareness camps and lectures- several diabetes detection camps

ENT

- Interviews given on world deafness day

Forensic Medicine

- Lectures given to NGOs on promotion of cadaveric organ donations
- Forensic Odontology Lecture given to Police Team at Parbhani Aurangabad
- And Forensic Odontology lectures conducted for UG and PG student at Nair Dental Hospital College, Mumbai Central.

Gastroenterology

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

GI Surgery

- Conduct OPD every alternate Wednesday at Govandi Shatabdi Hospital from 10.00am to 12.30 pm.
- Social Awareness Lectures were delivered by Dr Chetan Kantharia, Dr Ramkrishna Prabhu and Dr Sharvari Pujari at various forums including on Television.

Hematology

Cancer awareness program

- Lymphoma Day – Awareness about cancer to patients and relatives
- Hemophilia Care patient awareness programme.

Medicine

- participation in camps on monsoon related illnesses
- participation in blood donation camps
- lectures to practitioners on management of monsoon related illnesses

Microbiology

- Integrated Counseling and Testing Centre under the Virology and Immunology Division provided information about HIV/AIDS, TB and RTI/STI to all the direct walk-in clients and their relatives. Cough etiquette posters have been displayed to facilitate awareness to those availing services at this hospital. On the occasion of World Hand Hygiene Day, 4th May 2013, awareness programme on the importance of hand hygiene was conducted for relatives of patients visiting KEM.

Neonatology

- Weekly meetings with parents of babies admitted in NICU to educate them about Preterm / Low Birth Weight care. 1500 – 1800 parents are educated in 2013.

Nephrology

- Early detection evaluation of kidney diseases and CKD- camp on world kidney day 14th March 2013.
- Television Program “ Hello Doctor- Prevention of Kidney diseases” by Dr. Tukaram jamale.

Obstetrics and Gynecology

- Participation in several health camps and blood donation drives

Ophthalmology

- Several eye camps

Pediatric Surgery

- Successfully running the outreach programme at Shatabdi Govandi, Bandra Bhabha, Kurla Bhabha, R.N.Cooper Hospitals.

Pediatrics

- Resident Medical Officers and Faculty members attend various OPDs in peripheral hospitals as a part of Peripheral Linkage Program.
- Dr. Sunil Karande: “The Forum for Learning Disabilities”, held at Citi Academy of Special Education, Mahalaxmi, Mumbai; organized by Department of Pediatrics, Seth G.S. Medical College & K.E.M. Hospital; Tata Interactive Systems; & Society for Rehabilitation of Crippled Children on 1st and 2nd March 2013. This training program was held to sensitize school teachers and train them to recognize students with learning disability early and refer them for evaluation. Increased awareness amongst school teachers will help these children get rehabilitated optimally. The program was attended by about 100 school teachers.
- Dr. Mamta Muranjan: Commemoration of Gaucher Disease Day on 21st September 2013 with support group meeting and an interaction and exchange of success stories among the Caregivers, Patients and Doctors organized by Children’s liver foundation, Lysosomal storage disorders support society of India and Jaslok Hospital, Mumbai. Presentation on Gaucher disease for patients and their families.

Pharmacology and Therapeutics

- Participation in the health camp organized at Chaityabhumi on 6th December 2013 to provide care and awareness about rational use of Ayurvedic drugs.

Physiotherapy**Social Awareness Camp & Lecture:**

Amita Mehta assisted by Dipti Geete - Participated as member in Health Professional team for celebration of World Health Day at K.E.M.Hospital Theme – Role of Physical therapy in Healthy ageing.

Preventive and Social Medicine

Mumbai Aarogya Abhiyan : Residents & Interns are posted at various SUNDAY CAMPS :

MONTHS	NO. OF CAMPS	NO. OF RESIDENTS Posted	TOTAL NO. OF BENEFICIARIES
JUNE	1	2	2294
JULY	6	12	2339
AUG	10	20	4670
SEP	6	12	3462

Community Outreach Health Services :**Malvani Health Centre :****Dec 2012: Social awareness - HIV/ AIDS week celebration:**

HIV/AIDS WEEK CELEBRATION -1st to 12th Dec was celebrated as “AIDS week” focusing on “ZERO DISCRIMINATION, ZERO TRANSMISSION, ZERO DEATH”. Poster Exhibition was held throughout the week.

Skit on HIV/AIDS by 3rd yr Nursing students of H.B.M.G Hospital for around 80 OPD Patients & ANC patients. Interactive session on “HIV/AIDS” for Students of 11th and 12th std at Alia Servat Junior College , Malvani

January 2013

1. Geriatric Day program for patients with chronic diseases at MUHC on 9th January 2013 and 17th Jan 2013 inviting the local corporator, Mrs. Kamarjahan Siddhiqui as The chief guest.

Skit on life style modification on Non -Communicable Diseases was performed by RMO's along with interactive games for the beneficiaries. TOTAL BENEFICIARIES: 100.

2. Anganwadi and Kamgarkalyan kendra sevikas and helpers were trained on ‘women empowerment’ by Medical Social Worker and residents. Beneficiaries : 30 AWW

March 2013 - World TB week celebrated on occasion of World TB day.

Following events were held at MUHC:

Sr No	Date	Venue	Activities	Beneficiaries
1	19.03.13	Rose Mary English High school.	skit by RMO's and Poster exhibition	50 students and parents
2	21.03.13	R/S ward Office	CME for PMP's On DOTS by DR.Shrikala Acharya.	76 PMP's
3	22.03.13	Ambujwadi	Health education session by DrMilind Rasal	30 patients.
4	23.03.13	Municipal School Malad.	CME for PMP's about DOTS by DR.Milind Rasal.	25 PMP's
5	25.03.13	RNTCP OPD	skit by RMO's Group Health talk by DTO, Dr.Rasal and Mr.Ravindra	90 patients

6	26.03.13	Malvani Community NCC area.	1.Rally for advocacy and social mobilization by School children and staff of MUHC,RNTCP, 2. Skit by Rmo's 3.PMP sensitization on DOTS	150 45 PMP's
7	28.03.13	MUHC	Skit by RMO's on symptoms and early diagnosis.	40 Patients attending Diabetic OPD

April 2013

1. On Occasion of WHO day, Lipid profile testing for hypertensive patients was arranged on 12th and 20th of April 2013.Total beneficiaries - 87 hypertensive patients.

2. A session on Preventive modifications was organized in collaboration with Madhavbaug- an Ayurvedic Rehabilitation Center for chronic OPD patients,

A Skit on lifestyle modification, treatment adherence and preventing complication of hypertension presented by interns. IEC sessions on prevention and control of Heart disease, Hypertension, Diabetes, Joint Pains done through Ayurveda modality and lifestyle modification was explained by Dr.Renuka Prajapati and Mr.ArunYadav. Total beneficiaries - 85 Chronic OPD Patients.

May 2013

No tobacco day' celebrated in collaboration of local NGO on 27/05/13 at Ambujwadi area of Malawani. Health education on tobacco related diseases and prevention was given followed by oral cavity examination. Beneficiaries – 57 slum residents .

Health education on Nutrition and Vector borne diseases at Satya Sai Institute for 22 Agricultural students on 31/05/2013.

July 2013

Training of Private Medical Practitioners regarding ICD -10 & filling of Death Certificate by Dr.Chaturvedi and Dr. Acharya on 10th July 2013 in collaboration with Malwani Doctors Association. Total PMPs: 40 and Resident medical officers.

August 2013

WORLD BREASTFEEDING WEEK 2013 celebrated theme "Breast Feeding support: Close to mother". Following activities were conducted during this week

Sr. No.	Date	Programme Particulars	Target Audience	No. of Attendees
1.	22.7.2013	Urban Anganwadi visit- for services, nutrition supplementation.	Post graduate students	11
2.	1.8.2013	Skit presented on correct techniques of breastfeeding	Immunization Session	40
3.	5.8.2013	Skit presented on early initiation & exclusive breastfeeding & mother support group	ANC mother & WBC Clinic	46
4.	5.8.2013	Training on Infant & Young Child Nutrition at Malvani UHC- Dr.Sujata & Mrs.vidula(MSW)	Anganwadi workers	55
5.	6.8.2013	IYCN training By Dr.Bhate ,Dr.Acharya, Dr.Sujata & Mrs.Vidula(MSW)	Anganwadi workers & LHV	40

September 2013

- 1) Session on Anemia and Nutrition for Anganwadi staff was conducted by MSW - 25
- 2) AGI session on Nutrition and Family in Rathodi for adolescent girls by the residents and MSW'S- 20 girls

October 2013

A Skit performed by interns on Lifestyle Modifications for non-communicable diseases – Chronic OPD pts – 30

November 2013

Training on 'Women Empowerment' for the women with YUVA by the MSWs. – 30

Guest lectures at MUHS :

- Leprosy- Dr Bhatki (Director MLSM) for residents and Interns
- AFP and Measles Surveillance - Dr Kantharia (SMO, NPSP)- Lecture for residents.
- Malaria and Dengue -Surveillance and Pest Control Activities- Guest Lecture by Nagesh Bandekar, Malaria Surveillance Officer.

Naigaon community programmes:

Month	Name of Activity	No. of Participants
January	“YuvatiArogya” Saraswatibai School, Naigaon. Savitribai PhuleJayanti celebration programme.	120
February	Haladi-kumkum programme for Naigaon maternity home ANC PNC & UFC mothers by MSW Suman Bhandekar.	92
March	Women's Day Programme • Kamgar Kalyan Kendra	60
	Women's Day Programme • Under Five Clinic	85
April	WHO Day Programme • Kamgar Kalyan Kendra • Jeshta Nagari Sanghatan	250
	WHO Day Programme in Naigaon B.D.D. chawls 11 & 10 B.	90
May	Health Promotion Activity for UFC mothers by MSW Tara Kedare.	25
June	Health education activity for ANC & PNC.	105
July	Health education activity for Adolescent group by MSW Mr. Vijay Jawlekar.	55
August	Breast feeding week celebration programme in under five clinic /ANC	99
December	AIDS DAY PROGRAMME Kamgar Kalyan Kendra for Students.	200

Patient Education Centre :**Regular Activities :**

1. Exhibition in KEM OPD 24 X 7
2. Exhibition on Breast feeding in community

Special Activities :

- New posters on 'safety and cleanliness in hospital' for KEM and adopted by MCGM for Sion and Nair Hospitals.
- Posters on 'Prevention of Burns in children' for Plastic Surgery department.
- Presented a paper on "How to prepare IEC material for the Target group" at IRR 18th Feb.2013
- Developed a pamphlet on 'Women's health after 40 yrs.' for all the 3 medical colleges. Organized poster exhibitions and health talks for Women's Day.
- WHO day on Hypertension awareness camp and exhibition, & booklet along with Medicine Dept.
- Developed flip chart on 'Chronic Kidney Diseases' for Nephrology Dept., of KEM Hospital conducted trainings of staff nurses on organ donation.
- Developed posters on 'Organ donation awareness campaign'.

Community Outreach Health Services at RHTC :**Pise-Panjarapur RHTC :****1. Visits :**

Sr. No.	Visit to peripheral health units	No.of visits	Total no.of beneficiaries
i)	Underfive clinic at PHC Padagha	27	116 - SAM – 52 MAM – 21
ii)	Anganwadi visit and health check up at Pise	14	315
iii)	Anganwadi visit and health check up at Chirarpada	4	79
iv)	Anganwadi visit and health check up at Kirwali	6	99
v)	Anganwadi visit & health check up at Amne	12	288
vi)	Aarogya satra at Subcentre Amne	5	ANC -79 Paeds – 170
vii)	Aarogya satra at Anganwadi Pise	5	ANC -46 Paeds – 70
viii)	Aarogya Satra at Anganwadi Kirwali	3	ANC -4 Paeds – 27

2. IEC activities :

Sr. No.	Place	Group	Total No.of beneficiaries
1	Underfive clinic Padhgha	Mothers of children attending underfive clinic	116
2	Anganwadi & Aarogya Satra sessions	Mothers of children attending Anganwadi, ANC & PNC mother	396
3	School health	Children attending school	621
4	Pise Panjarapur water purification plant	Employees	743
5	Baseline health survey of employees at Pise water treatment plant	Total no.of beneficiaries	161
6	Baseline health survey of	Total no.of beneficiaries	582

	employees at Panjrapur water treatment plant		
7	Baseline family health survey at Pise village	Total no.of household beneficiaries	121

RHTC Sakwar :

1) Visits :

LOCATION	NO OF VISITS
Rural hospital Manor	8
Primary health centre Durvesh	15
Primary health centre Bhatane	13
Sub centre	8
Anganwadi	61
Balwadi	10
Primary health unit Dhekale	4
School Health Check ups Durvesh	4

2) IEC Activities:

No	Place	Group	Total no of beneficiaries
<u>1</u>	MCH centre, Bhatane PHC	ANC women	Visits-7 Beneficiaries-207
<u>2</u>	Anganwadi	Mothers of children in anganwadi, ANC, PNC mother, adolescent girls.	61 visits Beneficiaries- 940

RHTC Khadavali :

1. Visits to Rural Hospital, Primary Health Centres, Sub Centre and Anganwadi:

Visits to Peripheral health Units	Number	Details
Sub-Centre	6	Khadavli , Nadgaon, Palsoli, Gurawli, Raya, Phalegaon
Anganwadi	38	Total No. of children: 3477 Normal:3240 MAM:170 SAM:35
ANC OPD	Every Thursday at PHC	1 st & 3 rd – New registration 2 nd & 4 th – ANC Check up

2. IEC:

Activity
Health education given to mothers of children attending Anganwadi
Health education given to ANC mothers
Health education given to leprosy patients
Health education given to mother attending family planning camp
Health education to the teachers & management staff of Ashram School regarding monsoon related illnesses

Psychiatry

COMMUNITY OUTREACH SERVICES

- **Malvani Community Outreach Centre**

A community psychiatric health Centre is run by the department at Malavani. Trained psychiatrists examine and treat patients hailing from this area. Psychoeducational lectures are taken during community programmes. About 'AIDS & HIV' on World AIDS day & about 'Psychological health in Geriatric Population' on World Geriatric Day. Individual & group counseling services are also provided where needed. Patients requiring detailed testing and evaluation are occasionally referred to psychiatry department of KEM Hospital when needed. This year 1600 patients were evaluated
Total Malvani Patients 2013: 1880

- **Social Awareness Camps And Lectures**

Awareness programme on Deaddiction at Tardeo community organized by Lodha Foundation
Dr. Shilpa Adarkar, Dr. Chetali Dhuri
Methadone Orientation Programmes conducted for Outreach Workers and Peer educators of the NGO run IDU TIs under NACO

Transfusion Medicine

- Several blood donation camps organized with the help of voluntary organizations

EDUCATION

Anatomy

Courses offered, intake for the current year and results:

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

Sr. No.	Courses taught	Intake of Students (for 2012)	Results (% of pass for 2012-13)
1	I MBBS	180	99%
2	MD Anatomy	02	100 %
3	I B.P.Th.	40	
4	I B.O.Th.	40	
5	Nursing	80	--
6	I B.P.M.T	35	

B. Other courses taught by the Department of Anatomy:

Sr. No.	Courses taught	Institute	No. of students
1	Biomedical Engineering	DJ Sanghvi College of Engineering	35
2	Biomedical Engineering	Thadomal Shahani Engineering College	35
3	Biomedical Engineering	Watumull Institute of Electronics Engineering and Computer Technology	80
4	Biomedical Engineering	Vidyalankar Institute of Technology	
5	Nursing	Holy Spirit Institute of Nursing Education	30
6	Nursing	Fortis Hospital	40
7	Nursing	Gopikrishna Piramal Memorial Hospital	15

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

Sr. No.	Date	Co-ordinators/ Collaborating Departments	Name of the Workshop
1.	22.03.13	Dept. of Plastic Surgery , Tata Memorial Hospital	Flap Dissection
2.	19.04.13	Dept. of Plastic Surgery , Tata Memorial Hospital	Flap Dissection
3.	21.06.13	Dept. of Plastic Surgery , Tata Memorial Hospital	Flap Dissection
4.	11.07.13	Dept. of Neurosurgery, KEMH	Temporal Bone
5.	14.07.13	Dept. of Orthopedics, KEMH	Pelvi-acetabular Course
6.	18.08.13	Dept. of ENT, Bombay Hospital & Medical Research Centre	Larynx
7.	25.08.13	Dept. of Orthopedics, KEMH	Spine Workshop
8.	31.08.13	Dept. of ENT, KEMH and Hinduja Hospital	FESS Workshop
9.	19.09.13	Dept. of Orthopedics, KEMH	Knee & Shoulders
10.	20.09.13	Dept. of Plastic Surgery , Tata Memorial Hospital	Flap Dissection
11.	27.10.13	Dept. of ENT, KEMH and Hinduja Hospital	Cochlear Implant Workshop
12.	20.12.13	Dept. of Plastic Surgery , Tata Memorial Hospital	Flap Dissection

Biochemistry and Clinical Nutrition

- 20 UG students from Basic Sciences all over Mumbai participated in summer training in laboratory.
- GCLP Course:-60 delegates from all over Maharashtra participated.
- Courses offered, intake :- Ist M.B.B.S. – 180, F.Y.P.T. – 40, F.Y.O.T. – 40, D.M.L.T. – 10, M.Sc. (I) – 12, M.Sc. (II) – 12, M.Sc. (Research) – 3, Ph.D. – 6

Cardiology

- 5 Observers underwent training in the department of cardiology this year
- 1 candidate as a Cath Lab Technician training in the department of Cardiology this year

Courses

- D.M. Cardiology: 6 residents.
- M.D. (Medicine:Allied) posted for three months.
- IIIyr BPTH and BOTH students and MPT students posted for clinics.
- Ist ,IInd and IIIrd year clinics for BPMT students
- SN.D.T.M.Sc. Nursing students are guided for their thesis work.
- Undergraduate students are doing projects for KVPY and ICMR studentships.

Chest Medicine

Courses offered and intake: MD (Pulmonary Medicine)

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.
- M.Sc pharmaceutical medicine students are posted for carrying out clinical research in collaboration with our department.
- Student placement – 2 from Tata Memorial Hospital (Allied posting for M.D.- Palliative Medicine- new course offered by MUHS, Nashik)

Clinical Pharmacology

- DM- Clinical Pharmacology: 1
- MD Pharmacology (Rotation for 2 months)-6
- PhD-Applied Biology (Mumbai University) – 6
- MSc Applied Biology- 3
- M.Sc Pharmaceutical Medicine- 3 students
- UG course in clinical research under the aegis of the MUHS – 26

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 and has an annual intake of 4 students from 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 runs one year certificate course in Extra Corporeal Perfusion Technology. The intake is of three students every year. The department also runs the lecture series for IInd year BPMT course 2011-12 from MUHS and IIIrd year practical course for the same. The department also gives six months observation and training to the students recommended by the Bakkenn Institute.

Departmental Library - 358 books

Forensic Medicine

(I) MBBS :-

- a) February 2013 – 8 candidates
- b) August 2013 -- 189 (one hundred & eighty- Nine only)
- TOTAL 197 (one hundred & eighty-Seven only)
- Grand Total:-197 (One hundred & Ninety Seven only)

II MBBS examinations of the MUHS, Nashik

a) held in December 2013 – January 2014

- No of candidates sent up : 181(One Hundred & Eighty One only)
- No of candidates passed : 181(One Hundred & Eighty One only)
- iii. No of candidates failed : Nil
- Percentage of passed candidates : 100%

b) held in May-June 2013

- No of candidates sent up : 6 (eight only)
- No. Of candidates passed : 6
- iii. No. Of candidates failed : Nil

2) 1st BPMT examinations of the MUHS Nashik

- Held in May-June 2012/3
- No of candidates sent up : 28
- No. Of candidates passed: 08
- No. Of candidates failed : 20
- Percentage of passed candidates: 29%

a) Held in November-December 2013

- i.No of candidates sent up : 183 (One Eighty Three only)

Gastroenterology

International Observers and Elective trainees: - External Rotation posting from Jaslok Hospital – Dr.Ajay Jhaveri

Courses offered and intake for the Current year

DM Gastroenterology; 2 students

PhD / MSc (Applied Biology), No students admitted this year

GI Surgery

Observers and Trainees

- Dr Tushar Bhagwat and Dr Nitin Mokashi Surgeons from Peripheral Hospital in Rural Maharashtra spent one month each as observer in GI Surgery.
- Dr Hirav Parekh and Dr Reddy on One year MUHS Fellowship in Minimal Access Surgery.

Courses Offered

- One Year Fellowship in Minimal Access Surgery with intake of two students every year
- Conduct Quarterly Basic Laproscopic Instructional Course for Surgeons from Periphery.

New Courses added

- MUHS Fellowship in HPB and Liver Transplant Surgery with intake of 2 candidates annually.
- Maharashtra Govt Sponsored One Fellowship for Rural Surgeons in GI Surgery.

Miscellaneous

- Dr Chetan Kantharia , Dr Ramkrishna Prabhu and Dr Sharvari Pujari all successfully passed DNB GI Surgery exams
- Dr Chetan Kantharia and Dr Sharvari Pujari were awarded FIAGES degree (Fellow of Indian Association of GI Endoscopic Surgeons)
- Dr Chetan Kantharia was conferred upon Honorary FMAS degree (Fellow of Minimal Access Surgery)
- Dr Sharvari Pujari, Dr Vikram Chaudhari, Dr Suhail Khuroo, Dr Adithya Nargund, Dr Mirza Kasim Beg and Dr Sagar Kurunkar were awarded FMAS degree (Fellow of Minimal Access Surgery)

Medicine

- International Observers Elective Trainees: 14
- Training offered: 1st batch of DM- Critical Care from Tata Memorial Hospital - 2 DM students will be posted for 3 months rotation in MICU, starting Sept2013.
- New courses added and intake:
 - 3 students of MSc. Pharmaceutical Medicine posted in unit for research project.
 - MUHS recognised Fellowship in critical care 2 students per year , commenced in August 09.
 - duration of course 1 year (List attached.)
 - At present 1 Critical Care Fellow.
- Library: MICU library stocks books pertaining to Medicine, infection & critical care. Journals, 5 years back issues of NEJM, JAPI, American J of Neurology and Journal of Critical Care Medicine.
- Lectures on Monsoon related diseases for BMC medical officers and private practitioners in KEM CVTC auditorium and F-South Auditorium.

Microbiology

- The department teaches / trains students from the following streams of medicine or paramedical branches – MBBS (180), M.D (6), DMLT (10), OTPT , Nursing and BPMT.
- Six students have registered for MD Microbiology this year
- Two undergraduate II MBBS student representatives are selected annually to participate in the intercollegiate zonal quiz at the chapter conference of IAMM.
- The pass percentage for M.D – 2013 was 83%.

Neonatology

Courses offered, intake for the current year :

Courses offered	Intake
DM(Neonatology)	1
MUHS Fellowship	2

- **Library** : Total no of books : 182
- **Received MCI recognition for DM in Neonatology**

Nephrology

- Department of Nephrology is recognized for DM nephrology, applied biology, M.Sc, Ph.D. by research.

Intake Results 2013

DM Nephrology	2 per year	100%
M.Sc. Applied biology	2 registered	1 thesis submitted
Ph.D. Applied Biology	3 registered	

- Departmental Library has online “Uptodate” Literature access.

Neurology

- Approval obtained for Epilepsy fellowship granted by MUHS.
- BPMT students taken for Neurophysiology course this year.
- M.Sc pharmaceutical medicine- three students posted for one year for thesis on neurological subject.

Neurosurgery

International and national observers attend neurosurgical services. The Department has a Microneurosurgical 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 is recognized by WFNS education committee as Class A centre for training in skull base surgery 2008-2009.

The Department has 4 recognized teachers for M.Ch. (Neurosurgery) of the University of Mumbai. Every year 2 candidates are admitted for the M.Ch. Neurosurgery course.

The Departmental library has 2314 books and various National and International Journals.

Obstetrics and Gynecology

International observers and elective trainees- 2

Name of trainee	Place of origin	Purpose of training
Mridula Dilip Morje	British	Elective period in a foreign country in specialties of our choice
Nikita Garg	Indian	Elective

Indian students / trainees :

Dr. Shah Arpan Rameshchandra		Observership
Dr. Tiwari Rjanshu	Sir H. N. Hospital & Research Centre	Observership
Rutuja B. Kolekar	Dr. D. Y. Patil Medical College	Observership
Swati Uttam Pathade	R. A. Podar Medical College	Observership

Courses offered

Course	Students (per year)
MBBS	180
DGO	24
MS	56

Orthopedics

The department has a full-fledge training programme for M.S. - Orthopaedics residents which is recognized by the University of Mumbai and MUHS (Maharashtra University of Health Science) Nashik. It is also recognized by the Medical Council of India (MCI) and National Board of Examination, New Delhi to train DNB Orthopaedic candidates.

Pathology

- Observership offered for
 1. Autopsy training and Histopathology training to post-graduates in Pathology from all over India.

2. Laboratory Technology training for Paramedical (technically) students all over India.
 - Courses offered:
 1. M.D. (Pathology) – 14 students per year
 2. D.M.L.T - 10 students per year.
 3. Certificate course in Cardiovascular Pathology through the Indian College of Pathology.
 4. Fellowship in Cytopathology, Renal Pathology, GI Pathology, Cardiovascular Pathology, Pediatric Pathology and neuropathology
 5. B.P.M.T Course – 22 students.
 - Library holdings:

Approximately 300 text books in various aspects of Pathology maintained in the departmental libraries.

Pediatric Surgery

- Fellowship course in Pediatric Minimal Access Surgery successfully continued:
 - 1st Fellow – Dr. Rahul Gupta
 - 2nd Fellow – Dr. Pradeep S.H.
 - 3rd Fellow – Dr. Prashant Joshi 4th Fellow – Dr. Saurabh Jose
- Presented 6 papers and 6 posters at the National conference of IAPS – Bhubhaneshwar 2013
- Presented 1 paper at Maharashtra State Chapter Conference Jan 2013
- Presented cases to eminent national faculty during postgraduate training course

Pediatrics

International Observers & Elective Trainees:

Name	Place of origin/ University	Duration/ Purpose
Nicolaus Glomb	Baylor College of Medicine, USA	From 17.05.2013 to 25.06.2013. For Clinical Experience in Pediatrics, Pediatric ICU and Pediatric Emergency medical Services (EMS)
Ahmad Khalid	Al Hasa, Al Hofouf, Al Khaldiah School, Saudi Arabia	From 17.06.2013 to 28.07.2013. For Clinical Experience in Pediatrics
Saad Hamad	Al Hasa, Al Hofouf, Al Khaldiah School, Saudi Arabia	From 17.06.2013 to 28.07.2013. For Clinical Experience in Pediatrics
Azzam Abdulatey	Al Hasa, Al Hofouf, Al Khaldiah School, Saudi Arabia	From 17.06.2013 to 28.07.2013. For Clinical Experience in Pediatrics
Nikita Garg	Ras Al Khaimah Medical & Health Sciences University, Rak, UAE.	From 26.07.2013 to 09.08.2013. For Clinical Experience in Pediatrics

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) and Certificate Course in Pediatric Respiratory Disorders (2 seats).
- MSc in Applied Biology: One new student for the academic year 2012-2013 (Guide- Dr. Mamta Muranjan).
- MOCP (Medical Officer Certificate Course) Training Program with 4 trainees in year 2013. Under this program, medical officers from various district/ civil hospitals are trained in Pediatrics on an ongoing basis (in batches for 6 months each).

Pharmacology and Therapeutics

	Courses Offered	Intake for the current year	Results
1	MD Pharmacology	7	6 postgraduate students completed the course successfully in first attempt.
2	PhD Applied Biology	5	
2	M.Sc. Applied Biology	-	2 MSc students, Ms Vandana Trivedi and Ms Snehal Mungekar successfully completed their post-graduation Mr. Akash Deogharkar submitted thesis in MSc Applied Biology to Mumbai University

- e-learning modules in form of e-quiz expanded to a total of 10 e-tests per MBBS batch.
- Students were provided Specific Learning Objectives and Model prescriptions for common disease conditions for undergraduate students. The latter was prepared in collaboration with the clinical departments.
- For postgraduate students, extramural training in Pharmaceutical industry and in TDM and pharmacovigilance was started. They also participated in rotation in administration and ethical review meetings of Institutional Ethics Committee.

Plastic Surgery

Courses offered and intake for current year: MCh Plastic Surgery. 2 students per year

Preventive and Social Medicine

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. The following students admitted for the "Observership Program" during 2013.

Name of the students: * Julian Kees * Karsten Wavun

- 8 Students of D.H.A. from Garware Institute of Management posted for internship in the department from 19.8.13 to 6.11.13.
- 2 Students from TATA hospital doing M.D. Palliative medicine posted from 16.11.13 to 30.11.13 for internship.

Courses offered, intake and results :-

	Course offered	Intake	Results (2013)
1	M.B.B.S.	180	
2	Diploma in Public Health	2	Pass – 2 Failed – 0
3	M.D. (PSM)	16	Pass –11 Failed - 5
4	B.P.M.T.	26	Pass-14 failed – 18
5	Postgraduate course in Pharmaceutical Medicine		Lecture courses in Community Medicine conducted by PSM Dept.

6	Bachelor of Occupational therapy (B.O.Th.)	Lecture courses in Community Medicine conducted by PSM Dept.
7	Bachelor of Physiotherapy (B.P.Th.)	Lecture courses in Community Medicine conducted by PSM Dept.
8	B.Sc. Nursing (Bhagwati, Cooper Hospital)	Lecture courses in Community Medicine conducted by Malvani Health Centre

For the year 2013, the Department of PSM, Seth G.S. Medical College has trained 168 regular batch interns, 20 casual batch interns, 23 externs from institutes within India & 6 externs from institutes outside India.

Physiology

- International observers and Elective Trainees: Dr. Munira Hirkani was an observer for FAIMER on site sessions, at Philadelphia during October 2013.

- Courses offered & intake for the current year

Courses offered	Intake for the current year
Postgraduate degree course in Human Physiology	6
I MBBS	180
FYBOTH /FYBPTh	26 + 40
Bachelor of Para-Medical Technology 1 st & 2 nd year	10 + 12
Radiology technicians of Tata Memorial Hospital	--
Radiology technicians of the Garware institute	--
Technicians and nurses of the course in dialysis technology of the Gopikrishna Piramal Memorial Hospital.	--

Physiotherapy

Courses Offered

Bachelors in Physiotherapy – Four years + Six months of Internship (Intake capacity – 40)

Masters in Physiotherapy – Three years (Intake capacity –18)

Speciality

- PT in Musculoskeletal Sciences, in Neurosciences , in Cardiopulmonary Sciences

Library Books - 570

Journals - 100

Psychiatry

International Observers/Trainees - Clinical Psychologist as observers and trainees 5

Courses Offered And Intake This Year

- 1) MD (PSYCHIATRY) – 5
- 2) DPM (PSYCHIATRY) –1

New Courses/Activities

- Introducing the OSCE format in training and examination of students
- De-addiction training program for doctors from 19th Sept to 1st October, 2013
- A total of 4 training programs were conducted for doctors and nurses by

Regional Technical Training Centre, Department of Psychiatry, under the aegis of Global Funds Project HIFAJAT (Round 9).

- Refresher training from 26th to 28th February 2013
- Induction training from 18th to 22nd March 2013
- Comorbidity training from 25th to 28th June 2013
- Induction training from 2nd to 6th September 2013

Transfusion Medicine

- The Department conducted MDACS Nurses Training Programme on Safe Blood Transfusion Practices on 25.03.13.
- Lectures are taken for second M.B.B.S. students , D.M.L.T. students, O.T. and P.T. students and the nursing students from S.N.D.T.
- C.M.L.T. students and students of Biotechnology from different Colleges came for observership.
- Technologists took specialized training in “Component Preparation and platelet pheresis
- The Department conducts training programmes for staff Nurses and Technicians on “Blood Bank procedures” and for Clinical Residents and Blood Transfusion officers on “Rational use of Blood and Blood products”.

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.

RESEARCH

Anatomy

Completed research projects

- A Study of Lumbar Sympathetic Trunk – Variations and Clinical Correlation by Dr. P.S. Bhuiyan
- Anatomy of Rotator Cuff and its Clinical Significance by Dr. Lakshmi Rajgopal
- Use of images for Comprehension of Anatomical Terms by Agarwal Parmanand
- Morphometric study of Proximal Femora in bones by Dhappadhule Rahul
- A Study of Topography of Nutrient Foramen in Human Fibulae by Moolya Prashant
- Morphometric study of menisci in cadavers by Bokan Raju
- A Morphometric Study of the Human Trachea in Cadavers by Dr. Nandu Patil under the guidance of Dr. P.S.Bhuiyan
- A Study of External Carotid Arteries in Cadavers by Dr. Anjalee Ovhal under the guidance of Dr. L. Rajgopal
- A Morphometric Study of the Arch of Aorta and its Branches in Cadavers by Dr. Kamalkant Chhabra under the guidance of Dr. M.Natarajan
- A Morphometric Study of the Right Atrioventricular valve in Cadavers by Dr. Lata Munde under the guidance of Dr.P.S.Bhuiyan
- A Morphometric Study of Dry Human Typical Thoracic and Lumbar Vertebrae by Dr. Dhaval Patil under the guidance of Dr. P.S.Bhuiyan
- A Morphometric Study of Dry Human Scapulae by Dr. Hijab Akhtar Khan under the guidance of Dr. A.C. Dhamangaonkar
- A Study of Brachial Artery in Cadavers by Dr. Rohan Gawali under the guidance of Dr. M.Natarajan
- A Morphometric Study of Foramen – Infraorbital, Jugulare, Magnum and Ovale in Dry Adult Human Skull by Dr. Kopal Saini under the guidance of Dr. P.S.Bhuiyan
- A Study of Femoral Artery in Cadavers by Dr. Vaishali Ahire
- 1A Study of Common Fibular Nerve (Common Peroneal Nerve) and Its Branches in leg in cadavers by Dr. Sridevi Bangale under the guidance of Dr. K. Shyamkishore

Ongoing Projects

- Microanatomical features of Pituitary Gland by Dr. P.S. Bhuiyan
- Efficacy of Multimedia Teaching in Microanatomy: a comparison with Traditional
- Teaching Dr. P.S. Bhuiyan, Dr. L. Rajgopal, Dr. K. Shyamkishore, Dr. Praveen Iyer
- A study of Development of Long Bones in Fetuses by Dr. A. C. Dhamangaonkar
- Anatomy Quiz – A Novel Method of Teaching Anatomy by Dr. Lakshmi Rajgopal, Dr. K. Shyamkishore, Dr. Praveen Iyer
- Morphometric Study of Suprascapular Notch by Dr. Praveen Iyer
- Revisiting the Curriculum in Histology Techniques for Anatomy PG Students
- Perceptions of Undergraduate Students on Use of Flashcards as a Mode of Learning Anatomy
- A Study of Variations of Subclavian Artery in Cadavers

Ongoing student- research projects:

- A Morphometric Study of Larynx in Adult Cadavers by Dr. Parmanand Agarwal under the guidance of Dr. Y. J. Bhosale
- A Study of Morphometry and Variations of Arteries Supplying the Kidneys in Cadavers by Dr. Rahul Dhappadhule under the guidance of Dr. P. B. Iyer
- A Morphometric Study of the Dry Human Mandible by Dr. Payal Kasat under the guidance of Dr. P.S.Bhuiyan
- A Study of Abdominal Aorta and the Proximal Part of its Branches in Cadavers
- A Study of Infraclavicular Part of the Brachial Plexus and the Proximal Part of its branches in cadavers

- A Study of Splenic Artery and its Branches in Cadavers by Dr. Raju Bokan under the guidance of Dr. K. Shyamkishore

Anesthesia
MD Thesis

Sr. No.	Name of the Resident	Teacher	Year of Residency	Thesis
1.	Dr. Richa Shivkumar Agarwal	Dr. Manjula Sarkar	3rd Year	'A randomized trial of comparison of emergence and recovery characteristic of Sevoflurane and Desflurane for Paediatric patient in day care surgeries'.
2.	Dr. Poonam Shriram Thakur	Dr. R. D. Patel	3rd Year	.Prospective randomized control study of tracheal intubation using light wand and comparing it with Macintosh Laryngoscope in adult patient undergoing general anaesthesia'.
3.	Dr. Latika Dharmashi	Dr. R. D. Patel	3rd Year	'Randomized control study of comparison of tracheal intubation with airtraq using standard technique and reverse maneuver in Obese Vs. Lean patient undergoing elective surgery under general anaesthesia'.
4.	Dr. Jasmeen Kaur	Dr. Deepa Kane	3rd Year	'Comparison of anaesthetic effects of concomitant interscalene block and axillary'.
5.	Dr. Mehul Anilkumar Mange	Dr. Sweta Salgaonkar	3rd Year	'Prospective study of 22.5 mg (3ml.) Mopivacaine Vs. 18.75 mg (2.5ml.) Mopivacaine mitra the cally for inguinal hernia surgery'.
6.	Dr. Kaveri Das	Dr. Prerana Shah	3rd Year	'Prospective randomized controlled comparative study of tracheal intubation using Megrath video laryngoscope and Macintosh laryngoscope in adults'.
7.	Dr. Sureshkumar Dineshkumar Bohra	Dr. Manali Nadkarni	3rd Year	'Prospective randomized trial comparison between Dexmedetomidine and Fentanyl for attenuation of hemodynamic response for laryngoscopy and intubation'.
8.	Dr. Ramesh Jethanand Hasani	Dr. Madhavi Buddhi	3rd Year	'Comparative study of effect of Intravenous Dexmedetomidine and intravenous Midazolam in Bupivacaine spinal anaesthesia in lower limb surgeries'.
9.	Dr. Johann John Mathew	Dr. Sunil Gvalani	3rd Year	'Comparison of incidence of difficult intubation between obese and non-obese patients and comparison of three predictors of difficult intubation in obese patients'.
10.	Dr. Rajkiran R. Acharya	Dr. Nandini Dave	3rd Year	'Comparison of Proceal LMA and I-Gel airway in children under general anaesthesia undergoing elective surgery'.
11.	Dr. Ashish Kumar Verma	Sanjeeta Uंबरkar	3rd Year	'Prospective comparison of bilateral paravertebral block Vs. Thoracic epidural for off pump coronary artery surgery'.
12.	Dr. Bhuvanshyam J. B.	Dr. Shashikant Shinde	3rd Year	'Prospective randomized study of comparison of Intravenous Lignocaine and Topical Lignocaine spray for attenuating cardio-vascular response during

13.	Dr. Deepali N. V.	Dr. Aarti Kulkarni	3rd Year	laryngoscopy and tracheal intubation'. 'A prospective randomized study to compare injection Ropivacaine (0.5%) plus injection Lignocaine (2 %) and injection Bupivacaine (0.5%) plus injection Lignocaine (2 %) for axillary block in upper limb surgeries'.
14.	Dr. Taher Ahmed	Dr. Shrikanta Oak	3rd Year	'Comparison of intrathecal clonidine and intrathecal Buprenorphine in different doses in combination for vaginal hysterectomy under subarachnoid block.'
15.	Dr. Rakesh N.	Dr. Yogita Patel	3rd Year	'Comparison of cuff pressure changes between air with O2 and Nitrous oxide with O2 during general anaesthesia using patient Proceal LMA for Laparoscopic surgeries'.
16.	Dr. Anuja Shivajirao Kulkarni	Dr. Pallavi Waghalkar	3rd Year	'Prospective study of indication to Post-operative ICU admission'.
17.	Dr. Mukesh Vasant Khairnar	Dr. M. B. Garasia	3rd Year	'A prospective randomized study of comparison of upper lip bite test and modified mallampatti classification for assessment of difficult airway in patients undergoing surgery under anaesthesia'. 'Prospective randomized study of comparison Intravenous Dexmedetomidine and Intravenous Paracetamol for Post-operative painful relief in patients undergoing short surgery under general anaesthesia'.
18.	Dr. Shantaram Vinayak Pawaskar	Dr. Manjula Sarkar	3rd Year	
19.	Dr. Sachin Vaishnav Bhagawandas	Dr. Anita Shetty	3rd Year	'Prospective randomized controlled study to assess the role of Dexmedetomidine on Peri-operative hemodynamics in patients with supratentorial tumor undergoing surgery'.
20.	Dr. Divya K. Iyer	Dr. Anita Shetty	3rd Year	'A study to compare the efficacy of Dexmedetomidine and Midazolam for conscious sedation interventional Neuro-radiology '.

Biochemistry and Clinical Nutrition

Dr S.P.Dandekar

- Biophysical properties and toxicity of small amyloid peptides.
- Biochemical and immunological characterization of monoclonal antibodies against tetanus toxin.
- Evaluation of antiproliferative and antiangiogenic activity of bio-active compounds present in curcuma longa and tinospora cardifolia in cervical cancer.
- Biochemical parameters in HIV/ TB Co infection.
- Re-evaluation of healthy ranges of liver enzymes and analysis of red cell membranes in patients with liver diseases..
- Role of cardiac and Inflammatory markers and their interrelation in Cardiac Disorders.

Dr. V. G. Patke

Study of Serum levels of Interferon – Gamma & Interleukin – 10 in HIV infected patients undergoing treatment.

2) Evaluation of performance characteristics of Bilirubin estimation.

Dr. Uma Shinde

- Evaluation of Biochemical parameters in young hypertensives

Dr. C. A. Sathe

- Study of lipid profile and erythrocyte membrane cholesterol, phospholipids and effect of antireumatic therapy in early rheumatoid arthritis. – A pilot study.

Dr. S. A. Rane

- Composition of blood cell membrane and plasma lipids in children with Protein Energy Malnutrition

Studies of phospholipids in serum and erythrocyte membrane in patients with nephrotic syndrome.

Cardiology

Name of the study	Title of Study	Status
1. SERAPHIN	Study with an Endothelin Receptor Antagonist in Pulmonary arterial Hypertension to Improve clinical outcome. A multicentre, double-blind, randomized, placebo-controlled, parallel group, event-driven, Phase III study to assess the effects of ACT 064992 on morbidity and mortality in patients with symptomatic pulmonary arterial hypertension.” (EC/PHARMA-17/2008).	Recruitment completed Follow up ongoing.
4.ACS REGISTRY	ACUTE CORONARY SYNDROME (ACS) REGISTRY	Recruitment ongoing.
5.SAVE	An investigator-initiated and conducted, collaborative, phase III, multi-centric, open label, randomized, controlled trial of continuous positive airway pressure for the treatment of obstructive sleep apnea to prevent cardiovascular disease”. SAVE (Sleep Apnea Cardiovascular Endpoint Study) (EC/PHARMA-4/2010)	Terminated
6.CHF Trial	A multicenter, randomized, double-blind, parallel group, active-controlled study to evaluate the efficacy and safety of LCZ696 compared to enalapril on morbidity and mortality in patients with chronic heart failure and reduced ejection fraction. (EC/PHARMA-16/2010)	Recruitment completed Follow up ongoing.
7.HF REGISTRY	“A prospective, open label, multi-centric, observational registry for heart failure patients across India” (EC/PHARMA-12/2011)	Recruitment ongoing.
8. EPICOR-Asia	“EPICOR-Asia. Long-term follow-up of antithrombotic management patterns In Acute Coronary Syndrome patients in Asia.” (EC/PHARMA-36/2011).	Recruitment completed Follow up ongoing.

List of completed studies

2. IVABRADINE Completed	Evaluation of the anti-anginal efficacy and safety of oral administration of ivabradine compared to placebo on top of a background therapy with a calcium antagonists (amlodipine or nifedipine) in patients with stable angina pectoris. A 6-weeks Randomized double-blind parallel-group international multicentre study. (EC/PHARMA-8/2008)	Study Completed
3. TAO Completed	Randomized, double-blind, triple-dummy trial to compare the efficacy of otamixaban with Unfractionated Heparin + eptifibatide, in patients with Unstable angina/Non ST segment Elevation Myocardial infarction scheduled to undergo an early invasive strategy. EC/PHARMA-6/2010	Study Completed
9. AF REGISTRY Completed	“Indian Heart Rhythm Society (IHRS) Registry of Atrial Fibrillation: patient Characteristics and Clinical Management Practices.” (EC/PHARMA-35/2011)	Study Completed.

Chest Medicine

- Prevalence of Asthma and effects of Air pollution on Asthma in collaboration with National Environment Engineering & Research Institute (NEERI).
- Allergen Testing in Asthma patients
- Study of Lung Functions in patients of Chronic Liver Disease.
- Study of Lung Function in cured Pulmonary Tuberculosis and treated Extra pulmonary (pleural) Tuberculosis patients.
- Comparison of Pleural Fluid Culture yield in bedside inoculation and Standard Laboratory culture.
- Serum Vitamin D levels in Chronic Obstructive Pulmonary Disease

Completed Projects

- Utility of Home Peak Expiratory Flow rate in Bronchial Asthma
- Use of Maximal Respiratory Static Pressures in Bronchial Asthma
- Co-relation of Venous Blood Lactate levels and 6-minute walk test in Chronic Obstructive Pulmonary Disease patients

Clinical Pharmacology

Academic

- Evaluation of single dose and steady state pharmacokinetics of 15mg primaquine in patients moderate hepatic dysfunction in comparison with normal healthy volunteers.
- Evaluation of pharmacokinetics of chloroquine in paediatric population.
- Clinical manifestations, treatment and outcomes of severe *P. vivax* malaria using retrospective data.

Sponsored

- Comparison of a non-invasive haemoglobin measuring tool ‘ToucHb’ with the standard laboratory methods – Sahli’s hemoglobinometer and computed hemogram”.
- Application of proteomics to aid biomarker discovery in smear positive patients of *P. vivax* and *P. falciparum*

- Evaluation of host immune responses and parasite proteome in patients with severe/complicated malaria
- B cell phenotyping, TLR4 expression determination, anti-parasite antibody profiling of serum samples and epidemiological data collection of patients diagnosed with malaria and comparison with healthy controls and non-malarial fever participants at a tertiary referral centre
- Association of genetic polymorphisms of Cytochrome P450 2C19, ABCB1, P2Y12, Prakriti and response to clopidogrel in normal healthy participants
- Association of genetic polymorphisms of Cytochrome P450 2C19, ABCB1, P2Y12 and response to clopidogrel in patients
- To assess the Pharmacoeconomic impact of genetic analysis in patients on warfarin and clopidogrel drug therapy.
- A prospective, observational study to assess the correlation between phenotype, genotype and prakriti in patients on phenytoin monotherapy.
- A randomized, double blind, multi-centric, placebo controlled phase II study assessing the safety and efficacy of intra articular Ex-vivo cultured adult allogeneic mesenchymal stem cells in patients with Osteoarthritis of knee
- A non-randomised, open label, dose ranging, phase II study assessing the efficacy and safety of intramuscular administration of Stempucel-CLITM (ex-vivo cultured adult bone marrow derived allogenic mesenchymal stem cells) in patients with critical limb ischemia due to Buerger's disease.
- A prospective, observational study to assess the correlation between phenotype, genotype and prakriti in patients on phenytoin monotherapy
- A Proof of Concept, open and prospective clinical study to explore the frequency of single nucleotide polymorphism of P2Y12 gene and its co-relation with different *prakriti* types in normal healthy individuals and patients of atherosclerosis
- A Phase II/III, Randomized, Multi-centric, Comparator-controlled Study of the Safety and Neutralizing Activity of a Human Monoclonal Antibody to Rabies (SII RMab) Administered in Conjunction with Rabies Vaccine for Post-exposure Prophylaxis in Patients following Potential Rabies Exposure.
- A Phase 1, Prospective, Randomized, Two-Arm, Active Controlled, Double-Blind, Study to Evaluate the Safety and Tolerability of Serum Institute of India's 10-valent Pneumococcal Conjugate Vaccine (SIILPCV10) in Healthy Indian Young Adults

CVTS

- Randomized study to assess efficacy of three different ablative procedures to treat atrial fibrillation in patients with valvular heart disease.

Dermatology

- Dissertation: The prevalence of different auto-antibodies in lichen planus. – Dr. Kinjal
- Dissertation: A clinical study of follicular hyperkeratoses in a tertiary centre – Dr. Pradnya
- A clinical study of follicular hyperkeratoses in a tertiary centre – Dr. Pradnya(ongoing)
- A clinical study of nail disorders in clinical dermatology – Dr, Tulika Yadav
- A clinical study of “Use of dermoscope in diagnosis of evolving lesion of vitiligo”- Dr. Sarvesh Thatte

Gastroenterology

Ongoing Research Projects

- Anorectal manometric parameters of healthy adult volunteers.
- Intestinal permeability in Portal Hypertension compared with that in normal subjects
- Hepatic venous outflow tract obstruction (HVOTO) and pregnancy outcome in Indian woman at a tertiary care centre of India – a case control study

- Reinvestigation of functional dysphagia with Non Esophageal Motility Disorder and normal manometry
- A Randomized, Double Blind, Active Controlled, Comparative, Parallel Group, Multicenter Study to Assess the Efficacy and Safety of Dexlansoprazole vs Lansoprazole for Gastro-esophageal Reflux Disease (GERD)”
- A comparative study to assess the cardiac function in patients with Budd chiari syndrome and cirrhosis of other causes.
- Diversity of HCV sequence due to differential transmission mode in variable liver pathological conditions
- Glycosylation of the serum haptoglobin B-A potential biomarker for hepatocellular carcinoma due to hepatitis B virus.

GI Surgery

- Portal Biliopathy
- Trans hiatal Esophagectomy and its Oncological Outcome
- Co-relation of Pancreatic Consistency and its outcome
- Regeneration of Liver following Resection
- Evaluation of symptoms pre operatively and post operatively in patients with chronic pancreatitis undergoing surgery
- QOL of UC patients following Surgery
- Clinical Applications of Monocyte derived ‘Neo-Hepatocytes’

Hematology

- Clinical and laboratory profile of PNH
- Cytogenetic and molecular study of Myelodysplastic syndrome in Indians
- Telomerase activity and telomere gene mutations in aplastic anemia.

Medicine

Dr Amar Pazare

- Knowledge attitude and practices of interns with respect to needle stick injuries.
- Assessment and comparison of quality of life in type 2 DM patients.
- Monitoring of ADRs in patients on ART

Dr.M.Y.Nadkar

- Clinical Profile of SpA
- Coagulopathy peripartum
- Hip arthritis in AS
- Lung involvement in SSc
- ANCA associated vasculitis
- Large vessel vasculitis
- Drug trials in RA

Dr.N.D.Karnik

- Open label, randomized dose escalation phase II study in adult volunteers to evaluate safety and pharmacokinetics of human monoclonal antibodies to rabies in comparison to human immune globulin in conjunction with rabies vaccine.
- Adverse events in MICU
- Adverse drug events in Geriatric indoor patients.
- SOFA score as a predictor of ventilator therapy outcome in critically ill patients in medical intensive care unit (MICU) of tertiary care hospital in Mumbai
- To study acute renal failure in medical and neurological intensive care unit (MNICU) and to predict it's outcome using sequential organ failure assessment score (SOFA score)
- To study fulminant hepatic failure in MNICU and to predict its outcome

- To study prolonged mechanical ventilation in MNICU. Study of envenomation in MICU and general ward.
- Study of Geriatric patients in Critical Care.

Dr.N.N.Redkar

- Study of hyponatremia in elderly
- Study of thrombocytopenia in patients of Dengue Fever

Dr.A.G.Rajadhyaksha

- A study of metabolic syndrome in systemic lupus Erythematosus patients.
- A study of clinical and immunological manifestations of patients with Antiphospholipid antibody syndrome and their one year follow up.
- Clinical profile and outcome in patients with poisoning.
- Thyroid disorders in patients with SLE and systemic sclerosis.
- Osteoarthritis and metabolic syndrome.
- Menstrual disorders and gonadal dysfunction in patients with auto immune disorders.

Dr.R.N.Sahay

- Ongoing Projects:
- To Study Serum Insulin levels as risk factor in Diabetic patients with Thrombotic episodes.
- Completed Projects:
- Clinical profile of the patients presenting with ‘ Cortical Venous Thrombosis .

Dr.S.B.Salagre

Projects completed

- Study of patients with aortoarteritis
- Study of Hypertension in Elderly
- Study of Metabolic syndrome in Hypertensive subjects Pilot study.

Ongoing projects

- Study of Hypertensive Diabetic subjects
- Study of Metabolic syndrome in Hypertension.

Microbiology

Completed projects

- Correlation between the degree of immunosuppression and clinical manifestation in HIV infected children
- Prevalence of intestinal parasites among school going children attending a municipal school in Mumbai
- Prevalence of intestinal parasitic infection in adult patients attending a tertiary care hospital

Collaborations

- ICMR project on “Study on Streptococcal Pyoderma with special reference to the role of Streptococcal Inhibitor of Complement (SIC) and Distinctly Related SIC (DRS) in Post Streptococcal Glomerulonephritis and Chronic Renal Disease”
- Alliance For Surveillance of Invasive Pneumococcal Disease, Multicentric study by CMC Vellore

Ongoing projects

Parasitology

- Prevalence of opportunistic intestinal parasitic infections in renal transplant recipients
- Prevalence of Blastocystis hominis in patients clinically suspected of having irritable bowel syndrome
- Comparative study of light microscopy, antigen detection and Light Emitting Diode Microscopy for diagnosis of malaria

Mycobacteriology

- Utility of Light Emitting Diode Fluorescence Microscopy for detection of Mycobacteria in HIV positive patients

- Characterization of Mycobacteria isolated from cases of extra pulmonary TB and drug susceptibility pattern of Mycobacterium tuberculosis
- Evaluation of the performance of Fluorescein Diacetate (FDA) vital staining method for detecting viability of acid fast bacilli in patients on anti-tuberculosis treatment
- Color test for rapid detection of MDR & XDR TB using thin layer agar method

Bacteriology

- Carriage rate of resistant organisms in throat and colon of apparently healthy school going children
- Susceptibility of multidrug resistant organisms to routinely used antiseptics and disinfectants
- Prevalence of Clostridium difficile as a cause of diarrhea and its related risk factors
- Evaluation of the accuracy of a novel, simple and rapid phenotypic test for detection of carbapenemases in enterobacteriaceae

Immunology

- Role of CD 64 expression in neonatal sepsis
- Quantitative estimation of C-reactive protein (CRP) in acute cases of Chikungunya

Virology

- Prevalence of human papilloma virus infection : comparison between HIV infected and HIV non-infected women
- Comparison of the Dried Blood Spot (DBS) with conventional serum sample for detection of Hepatitis B surface antigen (HBsAg) and anti HCV antibodies.

Molecular Diagnostics

- *Staphylococcus aureus* and its molecular characterization among HIV infected outpatients - prevalence and outcome

Collaborations

- ICMR project - Community and hospital burden of antibiotic resistance in the Indian pediatric population; impact of probiotics and geography.
- ICMR project on “Molecular Characterization of clinical isolates of groups A, C and G Streptococci from urban slums of Mumbai and Adivasi population from Maharashtra with special reference to Multilocus Sequence Typing (MLST)”

Neonatology

- Role of CD64 in the diagnosis of neonatal sepsis
- Evaluation of CD11b, CD64, CD88, CD282 as early diagnostic markers in detection of neonatal sepsis.
- To evaluate the clinical effects of early (10 seconds) v/s delayed (60 seconds) umbilical cord clamping in preterm infants (<32 weeks): A randomized controlled trial.
- To assess the efficacy of 30% v/s 60% FiO2 for resuscitation of preterm babies in labour room: A randomized controlled trial
- Transcutaneous bilirubin estimation in extremely low birth weight neonates.
- Screening of congenital heart disease by pulse oximetry.
- Audit of linezolid use in neonates.
- Study of morbidities of late preterm and early term neonates.
- Audit of colistin use in neonates.
- Comparison of Feeding Regimens in Preterm Neonates with Abnormal Antenatal
- Doppler : A Randomized Controlled Trial

Nephrology

- National CKD prevalence in Mumbai funded by ICMR
- 2. 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
- Evaluation of 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

Neurology

- A multicenter, double-blind, randomized, placebo-controlled, 4 parallel groups, dose-ranging trial evaluating the efficacy and safety of brivaracetam used as adjunctive treatment at doses of 5, 20, and 50mg/day in b.i.d. administration (oral tablets of 2.5 or 10 mg) for a maximum of 7 weeks in subjects from 16 to 65 years with refractory epilepsy suffering from partial onset whether or not secondarily generalized – **Brivaracetam Trial - PPD**
- A phase 2 multicentre, double blind, placebo controlled, Dose ranging study to Determine the safety and efficacy of Daclizumab HYP (DAC HYP) as a monotherapy treatment in subjects with Relapsing – Remitting Multiple Sclerosis (MS). - **clinical Trial by PRA.**
- A double blind randomised placebo-controlled multicentre study to compare the efficacy and safety of intravenous Kallikrein versus placebo along with standard supportive care in treatment of mild to moderate ischemic strokes – BharatSerum.
- A double blind, randomized, placebo controlled multicenter parallel group study to evaluate the efficacy and safety of Brivaracetam in subject (\geq 16 to 80 yrs old) with partial seizures – PRA.

Neurosurgery

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

Obstetrics and Gynecology

Dr. S. V. Parulekar

- Correlation between amniotic fluid index and obstetric outcome.
- Evaluation of site specific repair of vaginal wall prolapse

Dr. N. M. Mayadeo, Principal Investigator in following ongoing ICMR clinical trials:

- A study on Teenage Pregnancy & its outcome.
- Hospital based surveillance of female genital fistula – An ICMR task-force project
- Evaluation of Progesterone Vaginal Ring (PVR) as a new contraceptive option in India
- Tranexamic acid for the treatment of postpartum haemorrhage: An International, randomized double blind, placebo controlled trial (project submitted to ethics committee)
- Formulated and submitted a detailed project ‘Sexual Practices in Pregnancy and Puerperium’ to ICMR HQs which has been accepted, funding awaited.

Dr. N. M. Mayadeo, Co. Investigator in following ongoing NIRRH ICMR clinical trials:

- Development of Multistrain probiotic Lactobacillus formulation effective against reproductive tract infections.
- Do uterine fibroids alter the Endometrial Receptivity

Dr. H. K. Chaudhari

- Co-investigator in NIRRH research project “Collectins and other immune related proteins in immunoregulation of pregnancy maintenance”
- Clinical collaborator in NIRRH research project “Association of Chlamydia trachomatis infection and HLA in the manifestation of reproductive complications”
- Clinical collaborator in NIRRH research project “Association of host immunogenetic factors with Human papillomavirus (HPV) infection in development of cervical cancer in Indian women”
- Investigator in NIRRH research project “Embryo loss due to epigenetic disturbance in the male germ line”

Dr. Himangi S. Warke

- Clinical collaborator with NIRRH for project on “Embryo loss due to epigenetic abnormalities in the male germ line”

- Clinical collaborator with NIRRH for project on “Association of host immunogenetic factor with HIV infection in development of cervical cancer in Indian women”

Occupational therapy

S. No.	CARE No:	Name of the Student	Elective Subject	Dissertation Title	Name of the Guide
1.	EC/57/2012	Preetee Gokhale	Neurosciences	To study the effect of Occupational Therapy intervention on balance and its impact on ADL in patients with right and left cerebral infarcts – A comparative study	Dr. Mrs. Jayashri S. Kale (Professor)
2.	EC/56/2012	Ketan Anturkar	Neurosciences	To study the effectiveness of multitasking during treadmill activity to enhance dynamic balance strategies in activities of daily living in patient with cerebellar ataxia.	Dr. Mrs. Jayashri S. Kale (Professor)
3.	EC/58/2012	Parag Sawant	Neurosciences	To study the effect of Occupational Therapy on fatigue and quality of life in patients with Guillian Barre Syndrome.	Dr. Mrs. Zarine D. Ferzandi (Associate Professor)
4.	EC/47/2012	Onissia Rebello	Neurosciences	To study the effectiveness of cognitive rehabilitation using Montreal Cognitive Assessment (MoCA) in patients of epilepsy post anterior temporal lobectomy	Dr. Mrs. Zarine D. Ferzandi (Associate Professor)
5.	EC/81/2012	Aishwarya Swaminathan	Developmental Disabilities	To study the effect of alert program on self regulation and social behaviour of children with attention deficit hyperactivity disorder (ADHD)	Hemant P. Nandgaonkar (Assistant Professor)
6.	EC/116 /2012	Snehal Shikhare	Developmental Disabilities	To study the effectiveness of brain gym exercises to improve visual perceptual skills in children with learning disability.	Hemant P. Nandgaonkar (Assistant Professor)
7.	EC/76/2013	Rachana Karande	Developmental Disabilities	To compare non verbal communication skills between children with developmental disability and typically developing children of verbal age 8 to 30 months	Hemant P. Nandgaonkar (Assistant Professor)
8.	EC/53/2013	Siddhi Labde	Developmental Disabilities	To study the effect on participation in age	Hemant P. Nandgaonkar

				appropriate adaptive roles in children with Autism Spectrum Disorder using Ayres Sensory Integration	(Assistant Professor)
9.	EC/50/2013	Harshali Jain	Neurosciences	To compare the effectiveness of training for co-ordination versus core muscle strengthening in improvement of balance strategies in the elderly	Jayashree kale (HOD & professor)
10.	EC/51/2013	Sharmila Chavan	Neurosciences	An assessment of functional outcome in pre and post-operative phases of patients with right hemispheric versus left hemispheric primary brain tumors	Moushami Kadkol (Associate Professor)
11.	EC/77/2013	Vanashree Nalawade	Musculoskeletal	Effect of task specific training incorporated with active and passive exercise regime versus active and passive exercise regime in secondary shoulder impingement syndrome	Karuna Nadkarni (Associate professor)
12.	EC/	Saurabh Phadke	Musculoskeletal	Effectiveness of Kinesiotape versus counterforce brace as an adjunct to occupational therapy in lateral epicondylitis	Snehal Desai (Assistant Professor)

Ongoing Projects of Staff Members:

Dr. Mrs. Jayashree S. Kale

- Initiated and conducted an interactive educational program on Skype between master's students of Ohio and Mumbai students.
- Introduced a new concept of transition for interns ,conducted a seminar for interns 2013 -14 study and work systems in US, representatives of NBCOT and RCM placement and faculty and staff of GSMC were resource persons ,participants were interns ,masters students.

Dr. Hemant Nandgaonkar

- Ayres Sensory Integration for children with Attention Deficit and Hyperactivity: A mixed method Study.
- Development of TEETH: Testing Eligibility for Evaluation & Therapy of the Hand

Orthopedics

- Functional and Radiological outcome of Osteoarthritis operated for Total Knee Replacement in Moderate to severe varus knee.
- Total knee Arthroplasty using cemented rotating platform stabilized prosthesis follow up upto ten years
- Epidemiology and types of degeneration of cervical and lumbar spine in young patients in India
- Follow up of patients of fracture neck femur treated with dual mobility THR.

- Gleno humeral and scapula anatomic parameter as measured by x-rays and computed tomography in Normal Healthy volunteers.
- Study of functional outcome of open reduction internal fixation of displaced fractures of shaft of clavicle.
- Functional outcome of Bristow surgery in Indian Population
- Evaluation of indigenously prepared cost effective silicone templates for preparation of antibiotic loaded cement spacer in two stage reconstruction of infected hip joints.
- The clinic radiological outcome of cervical pedicular screw in Indian population
- Functional outcome of open reduction and internal fixation vs. hemi-replacement in proximal humerus fractures
- Volumetric bone loss in double row rotator cuff tear repair and its implication in future revision surgery

Pathology

- “Comparative Evaluation of Malaria Rapid Diagnostic Test Kits” Purpose: To evaluate an unknown kit in comparison with the standard known kits and with the gold standard “peripheral smear”. Principal Investigator-Daksha Prabhat, Coinvestigator-Dr Jayashri Chaudhari.
- Ph.D project “Effect of Bacopa Monniera extract on lipid peroxidation of cultured human endothelial cells. A cell culture approach” Mr. Shahdab Almelkar, Dr. A. M. Patwardhan, Dr. Smita Divate.

Pediatric Surgery

- Betamethasone in the management of phimosis
- Study of esophageal atresia and tracheo-esophageal fistula
- Study of various operative procedures for Hirschsprung’s disease
- Experimental study of effect of neonatal urine and meconium on rat intestine
- Role of propranolol in pediatric hemangioma

Pediatrics

International

- Dr. Mamta Muranjan: Principal Investigator, A Phase 3, Randomized, Multi-Center, Multi-National, Double-Blind Study to Evaluate the Efficacy, Safety and Pharmacokinetics of Once Daily Versus Twice Daily Dosing of Genz-112638 in Patients With Gaucher Disease Type 1 Who Have Demonstrated Clinical Stability on a Twice Daily Dose of Genz-112638 (EDGE)
- Dr. Mamta Muranjan: Principal Investigator, A Phase 4, prospective, multinational, open-label, non-inferiority study of Alglucosidase alfa manufactured at the 160 L and 400 L scales in treatment naïve patients with infantile-onset Pompe disease (PEAS)

National

- Dr.C.T.Deshmukh: Completed post marketing study – “ A Phase IV open labeled randomized, parallel control multicentric study to assess reactogenicity of Penta vac against Tritanix” a multicentric trial organized by MUHS and Serum institute.
- Dr. Sunil Karande: Principal Investigator to participate in the “Investigators’ Meeting”, on “A Phase III open label, randomized, multicenter trial to assess the efficacy and safety of the dispersible arterolane maleate 37.5 mg and piperquine (PQP) 187.5 mg tablets in comparison with Coartem® dispersible in pediatric patients with acute uncomplicated Plasmodium falciparum malaria (Study Number: R20120005), held at R & D Centre, Ranbaxy Laboratories Ltd. Gurgaon; conducted by its Medical Affairs & Clinical Research on 8-9th July 2013.

Others: List of PG dissertation topics 2010-2012:

Dissertation Topics for M.D. students – Year 2010 (completed):

Sr. No.	Topic	Name of Teachers/Guide	Name of Student
	Clinical profile of childhood asthma in a tertiary care centre.	Dr. Mukesh Agrawal	Dr. Anil Tambe
	Parental Perceptions of their child's asthma, management and medication use.	Dr. Mukesh Agrawal	Dr. Ranjit Kumar
	Thrombocytopenia in children – A study of Clinical, Biochemical profile and Therapeutic outcome.	Dr. C.T. Deshmukh	Dr. Sahana Shankar
	Evaluation of Pharmacokinetics of Antimalarial Drugs in children.	Dr. Sunil Karande	Sarfaraz R. Momin
	A study of comparison between blood transfusion/conservative management among severe anemia patient with malaria at a tertiary care centre.	Dr. Surbhi Rathi	S. Thanigainathan
	Factors influencing the prognosis of epilepsy in children.	Dr. R.K Vaswani	Dr. Akshita Jain
	Optimal Breast feeding practices-Are they a myth or reality- An observational survey.	Dr. Mamta Muranjan	Dr. Madhusudan
	Clinical Profile and Outcome of Acute Respiratory illness in patients admitted to Pediatric intensive care unit of Tertiary Care Teaching Hospital.	Dr. Milind Tullu	Dr. Satish Chaudhary
	Quality of life in HIV infected children in relation with CD4 count and ART treatment	Dr. Sandhya Jadhav	Dr. Devendra Mahajan

Dissertation Topics for M.D. students – Year 2011 (on- going):

Sr. No.	Topic	Name of Teachers/Guide	Name of Student
	Current status of disease severity and chloroquine responsiveness in children with P. vivax malaria.	Dr. Mukesh Agrawal	Dr. Vrushabh Gavali
	Efficacy of antipyretic prophylaxis & antipyretic with Clobazam prophylaxis in prevention of recurrence of simple febrile seizures	Dr. Mukesh Agrawal	Dr. Arihant Jain
	Role of FNAC in evaluation of lymphadenopathy in pediatric age group & its clinicopathological correlation.	Dr. C.T. Deshmukh	Dr. Sneha Chandak
	Evaluation of pharmacokinetics of Chloroquine in children	Dr. Sunil Karande	Dr. Viral Shah
	Nasal carriage of MRSA & antibiotic susceptibility in healthy preschool children	Dr. C.T. Deshmukh	Dr. Parthiban S.S.
	Correlation between Clinical features & neuroimaging findings in children	Dr. R.K Vaswani	Dr. Raghvendra Amoghmath

	with epilepsy.		
	Gaucher's disease – Clinical characteristics, genotype-phenotype association & response to enzyme replacement therapy.	Dr. Mamta Muranjan	Dr. Smita Patil
	An intervention for improvement in knowledge & attitude of parents/guardians as regards inhalational therapy in pediatric asthma.	Dr. Milind Tullu	Dr. Devika Jadhav
	To determine risk factors for mortality in HIV-positive pediatric patients on ART.	Dr. Sandhya Jadhav	Dr. Sunil Bule

Dissertation Topics for M.D. students – Year 2012 (on- going):

Sr. No.	Topic	Name of Teachers/Guide	Name of Student
19	Blood & blood products transfusion audit: Current practices and lacunae in blood and blood product transfusions among hospitalized children	Dr. Mukesh Agrawal	Dr. Purva Kanvinde
20	Clinical and laboratory predictors of outcome and need for mechanical ventilation in children with Guillian Barre syndrome.	Dr. Mukesh Agrawal	Dr. Shruti Mantri
21	Tuberculin skin test positivity in children in a tertiary care hospital.	Dr. C. T. Deshmukh	Dr. Jayati Agrawal
22	Comparative analysis of epidemiological, clinical and bacteriological parameters of nosocomial and community acquired infection as diagnosed by culture.	Dr. C. T. Deshmukh	Dr. Sunil Paraswani
23	Brain SPECT scan in children with specific learning disability.	Dr. Sunil Karande	Dr. Narayan Deshmukh
24	A comparative study between intranasal midazolam and rectal diazepam in treatment of acute seizures.	Dr. R. K. Vaswani	Ashish Banpurkar
25	Quality of life of mothers of children with Down syndrome: A prospective cross sectional study.	Dr. Mamta Muranjan	Dr. Sananda Mukherjee
26	A study of acute kidney injury in a tertiary care Pediatric Intensive care unit using the pRIFLE score.	Dr. Milind S. Tullu	Akanksha Gandhi
27	Awareness about thalassemia and feasibility of cascade screening in families of thalassemia major patients.	Dr. Minal Wade	Dr. Leeha Singh

Thesis for MSc (Applied Biology) – Year 2011 (Completed)

Sr. No.	Topic	Name of Teachers/Guide	Name of Student
1.	Determination of hexosaminidase activity in cultured human fibroblasts.	Dr. Mamta Muranjan	Rupal Joshi

Pediatric Surgery

Ongoing Projects

- Betamethasone in the management of phimosis – Dr Shalil Patil
- Study of esophageal atresia and tracheo-esophageal fistula – Dr Bhupesh Paradkar
- Study of various operative procedures for Hirschsprung's disease – Dr Natasha Vageria
- Experimental study of effect of neonatal urine and meconium on rat intestine – Dr Devdas Samala
- Role of propranolol in pediatric hemangioma – Dr Satej Mhaskar

Pharmacology and Therapeutics

Ongoing projects: Academic

- Effect of Indian medicinal plants on learning and memory performances in animals. Dr Rajendraprasad B., Dr P Marathe, Dr NN Rege.
- Evaluation of effect of Indian medicinal plants on tumour growth and angiogenesis in a murine mammary cancer model. Dr. Anup Thorat, Dr. SK Kamat.
- Current practice of analgesic use for management of pain in outpatient department at a tertiary care hospital- Across sectional questionnaire based study. Dr. Ravi Mehta, Dr. SK Kamat, Dr. Shweta Salgaonkar.
- Effect of flumazenil on memory retrieval determined by trial-to-criteria inhibitory avoidance method in mice. Dr S Raut, Dr S Bolegave, Dr P Marathe.
- Perceptions of laypersons on Institutional Review Boards about their role and current practices. Mrs. MS Kuyare, Dr PA Marathe, Dr SS Kuyare, Dr UM Thatte.
- Hepatoprotective potential of Lycopene in drug induced hepatotoxicity: an experimental study. Dr S S Joshi, Dr T A Manjunatha.
- To evaluate the immunosuppressant & anti-allergic potential of *Boerhaavia diffusa* in experimental animals. Dr Parvan Shetty, Dr SV Jalgaonkar, Dr. Tejal Patel.
- Comparative evaluation of anti-platelet effect of Lycopene and its influence on the activity of clinically used anti- platelet agents: an in vitro study. Dr Swapna Sawardekar, Dr Dinesh Uchil, Dr. Tejal Patel.
- A cross sectional study of Incompatible food (“*Viruddha aahar*”) and Suppression of urges (“*Vegavarodh*”) in coronary heart disease or hypertension or both. Dr. Tejal Patel.
- A prospective randomized placebo controlled comparative study to evaluate the efficacy of standardized aqueous extract of *Withania somnifera* and *Tinospora cordifolia* on physical performance and cardiovascular performance in response to exercise in healthy adults. Dr B Salve, Dr R Tripathi, Dr AA Raut, Dr NN Rege.
- Evaluation of prescription pattern and awareness of drug treatment in patients of Parkinson's disease. Dr Sandip Kapse and Dr R Tripathi.
- A comparative study of hepatoprotective effect of curcumin with N-acetyl cysteine and their combination in acetaminophen induced hepatotoxicity. Dr SS Bhide.
- A prospective study to assess the impact of prescribed pharmacotherapy on quality of life of patients with psoriasis taking treatment in dermatology OPD of the tertiary care hospital. Dr U Kulkarni, Dr NN Rege, Dr YC Shetty, Dr Uday Khopkar, Dr Santosh Godbharle.
- An experimental study to evaluate effect of pulsed radiofrequency and oral Ayurvedic preparation of *Dashmoolarishta* on joint pathology and pain behaviour in animal model of osteoarthritis. Dr YC Shetty, Dr Santosh Godbharle, Dr S Salgaonkar, Dr S Jalgaonkar.

- A prospective study to evaluate the perception of dermatologists as well as patients regarding the Ayurvedic therapy for psoriasis. Dr U Kulkarni, Dr NN Rege, Dr YC Shetty, Dr Uday Khopkar.
- Questionnaire for exploiting the potential of intranet for managing drug spectrum a web based publication in a tertiary care hospital in Mumbai. Dr YC Shetty, Dr TC Patel, Dr Urwashi Parmar.
- A survey of the awareness and knowledge of topical steroid use in dermatologic outpatients in a tertiary care hospital. Dr TA Manjunatha, Dr YC Shetty.
- Prescription audit of perioperative medication during anesthesia in surgical wards of a tertiary care hospital. Dr Amol Patil, Dr Yashashri Shetty, Dr Snehalata Gajbhiye, Dr Sweta Salgaonkar
- Exploration of anti-atherosclerotic effect of ethanolic extract of *Lagenria siceraria* fruit in experimental models of hypolipidemia. Dr Ganesh Bhandare, Dr Shruti Bhide, Dr Snehalata Gajbhiye
- Experimental & clinical evaluation of Indian medicinal plants for their effect on age related impairment of learning and memory. Dr NN Rege, Dr TC Patel, Dr R Kulkarni, Dr DA Uchil, Dr UI Parmar.
- To evaluate the perception of postgraduate pharmacology students towards rotational duties in experimental pharmacology & clinical research. Dr SV Gajbhiye, Dr RK Tripathi, Dr UI Parmar, Dr NN Rege.
- To evaluate the perception of 2nd year medical undergraduate students on pharmacology museum as teaching & learning tool. Dr UI Parmar, Dr RK Tripathi, Dr SV Gajbhiye, Dr NN Rege.
- Experimental study to explore the role of Indian medicinal plants in management of alcohol addiction. Dr NN Rege, Dr PA Marathe, Dr YC Shetty, Dr SB Raut, Dr Kshitij Jadhav.

Industry sponsored

- To compare the efficacy and safety of SHL piles kit in the treatment of internal haemorrhoids. Dr Dinesh Uchil, Dr Raakhi Tripathi, Dr Somnath, Dr Somesh Bolegave.

Completed Projects; Academic

- Anti-arthritis potential of bupropion and *Dashmoolarishta* in Freund's complete adjuvant induced arthritis: An experimental study: Dr Somesh Bolegave, Dr Padmaja Marathe, and Dr NN Rege.
- Role of dopamine- D2 receptor in spatial memory retention and retrieval determined using Hebb-Williams complex maze. Dr Sanket Raut, Dr Kshitij Jadhav, Dr Padmaja Marathe.
- Evaluation of potassium clavulanate and *Withania somnifera* in animal model of alcohol dependence. Dr Kshitij Jadhav, Dr Padmaja Marathe.
- A prospective observational study to evaluate prescription patterns and factors affecting drug use in Geriatric hypertensive patients in a tertiary care hospital. Dr SS Joshi, Dr GV Billa.
- Evaluation of effect of *Boerhaavia Diffusa* on gentamicin induced nephrotoxicity in rats. Dr. Tejal Patel
- Drug utilization pattern of antiepileptic drugs and direct and indirect cost estimation in the treatment of epilepsy in tertiary care hospital. Dr YV Mane, Dr SS Bhide, Dr SV Jalgaonkar, Dr SH Ravat.
- Impact of recent regulatory guidelines on the functioning of Ethics Committee at a tertiary care institute in Mumbai. Dr SS Bhide, Dr SV Jalgaonkar, Dr RK Tripathi, Dr YC Shetty, Dr PA Marathe, Mrs Nayan Katkar, Dr UM Thatte.
- An observational study to evaluate awareness among treating physicians & dermatologists regarding rational use of drugs & pharmacoeconomics. Dr U Kulkarni, Dr Rajendra Prasad, Dr NN Rege, Dr YC Shetty, Dr Uday Khopkar.
- To evaluate the efficacy of intra-articular injection of ketamine in comparison with triamcinolone acetate on joint pathology and pain behaviour in an osteoarthritic model. Dr YC Shetty, Dr Amol Patil, Dr S Salgaonkar, Dr S Jalgaonkar, Dr NN Rege, Dr Prachi Teltumbde.

- An experimental study on Reduction in ethanol consumption by ceftriaxone and ampicillin compared to naltrexone in potentially alcoholic rats. Dr YC Shetty, Dr Kshitij Jadhav, Dr Afreen Sheikh.
- Prescription audit of peri-operative medication during anaesthesia in surgical wards of the tertiary care hospitals. Dr. Amol Patil, Dr. YC Shetty, Dr. Snehalata Gajbhiye, Dr S Salgaonkar.
- Prospective study for developing school based model for mainstreaming the rational use of medicine. Dr. YC Shetty, Dr NN Rege, Dr RR Shinde, Dr S Bansode-Gokhe, Dr P Khobragade, Dr AE Patil, Dr I Shukla.
- Online videos as a supplement to traditional teaching method in II MBBS Pharmacology Practicals. Dr S Jalgaonkar, Dr NN Rege, Dr RK Tripathi, Dr PV Sarkate.
- To evaluate the perception of postgraduate pharmacology students towards rotational duties imparting skill training in experimental pharmacology & clinical research. Dr S Gajbhiye, Dr R Tripathi, Dr N Rege.
- Perception of postgraduate (PG) students and teachers on seminar as teaching learning tool. Dr Snehalata Gajbhiye, Dr Raakhi Tripathi, Dr Panjaj Sarkate, Dr. Sharmila Jalgaonkar.
- To evaluate the perception of II year medical undergraduate students on pharmacology museum as a teaching & learning tool. Dr Urwashi Parmar, Dr Snehalata Gajbhiye, Dr Raakhi Tripathi, Dr Nirmala Rege.
- Evaluation of effect of minocycline on alcohol induced place preference model in mice. Dr. Snehalata Gajbhiye, Dr. Bharat Salve, Dr Raakhi Tripathi.
- Prescription audit of perioperative medication during anesthesia in surgical wards of a tertiary care hospital. Dr. Amol Patil, Dr. Yashashri Shetty, Dr Snehalata Gajbhiye.

Physiology

Completed research

- Gender differences in effects of cognitive stress on working capacity- Dr. Kamini Nikam.
- Comparative study of physical fitness parameters in working women and homemakers aged 20-50 years – Dr. Savina O. George
- Comparative study of cardio-vascular autonomic responses in children of parents having diabetes and non-diabetes in the age group 18-25 years – Dr. Amruta N. Kumbhar
- Comparative study of pulmonary function tests in athletes and non-athletes and its co-relation to BMI – Dr. Vrushali Baste
- Study of physical fitness in cricket players in Mumbai – Dr. Smita P. Ghate
- Effect of aerobic exercise on pulmonary function tests and VO2 Max in young healthy adults- Dr. Esha Angane
- A study of pattern of recovery of reflexes in spinal cord injury patients – Dr. Nikhil Gode
- A study of bleeding time and clotting time in various phases of menstrual cycle in medical students of age 18-22 years – Dr. Yogita D. Sulaxane
- A study of emotional intelligence and perceived stress in first year medical students of age group 18-22 years – Dr. Shirin B. Attar
- Study of blood pressure changes and anthropometric parameters in normotensive subject with or without family history of hypertension – Dr. Amita M. Pardeshi
- A study of acute effect of caffeine consumption on blood pressure in first year medical students aged 18-22 years – Dr. Himani D. Kodape
- Acute stress response detection in computer game players – Dr. Jaya Rajasth
- Finger Dexterity tests as a means to evaluate resident's surgical performance – Dr. Priya P. Kotkar
- Gender difference in adiposity associated cardiovascular reactivity in first year medical students – Dr. Swapnali Y. Jadhav

Ongoing research

- Correlation between body mass index, waist circumference and indices of physical fitness in healthy adolescents – Dr. Rakesh Yeole

- Analytical study comparing colour perception in male and female medical and paramedical students – Dr. Kalyani Ghodeswar
- Assessment of cognitive performance in normotensive and hypertensive individuals in the age group of 30-40 years – Dr. Pritamkumar Nichat
- To study the association of waist circumference and body mass index with pulmonary function in normal weight over weight and obese otherwise healthy students - Dr. Tarannum Shaikh
- The study comparing the efficiency of body mass index with that of body fat percentage by using bioelectrical impedance analysis in classifying obesity in young medical and paramedical students – Dr. Aditi Sood
- Study of pain perception in different phases of menstrual cycle - Dr. Smita Mokul
- A study of autonomic nervous system functions in Type 2 diabetes patients and normal control – Dr. Amol Daroi
- A prospective observational study of sleep habits and sleep wake patterns in Indian medical and paramedical students between the age group of 18-25 years – Dr. Arun Kumar
- Comparative study of recovery in heart rate & blood pressure post exercise in healthy male and female adults – Dr. Sunil Chavan
- A study of perceived stress and autonomic nervous functions in undergraduate medical students - Dr. Pritamkumar Nichat
- A study of prevalence of refractive error and factors affecting it in medical students – Dr. Amol Daroi
- Blood pressure response to cold pressor test in normal healthy subjects: A prediction of future possibilities of hypertension – Dr. Sunil Chavan
- Comparative study of auditory and visual reaction time in patients of type 2 diabetes mellitus on allopathic treatment and in healthy controls – Dr. Rakesh Yeole
- Study of sleep deprivation effect on human postural control, A-V reaction time and eye hand coordination – Dr. Jeetendra Yogi
- Neurophysiological evaluation in newly diagnosed Diabetes mellitus – Dr. Mangala Bhongade
- Comparative study of spirometry, MIP, MEP and forced oscillatory technique for airway resistance – Dr. Chetan Rajput
- Comparative study of cardiovascular autonomic responses in medical students of hypertensive and normotensive parents in age group of 18-30 years – Dr. Sonali Gulhane

Preventive and Social Medicine

3rd Year RMOs Dissertation Topics:

Sr No	Name	Topic	Guide
1	Dr.Maruti Kore	A cross sectional study of information sought through Right To Information Act protocols in Tertiary care hospital.	Dr.R.R.Shinde
2	Dr. Vikrant Pagar	An epidemiological study of adverse event following Immunization in Under five children.	Dr.R.R.Shinde
3	Dr.RimaSahay	A Study to evaluate Ergonomic parameter related to patient handling task &its implication on quality of life amongst	Dr S Bansode-Gokhe
4	Dr.Monika Masare	A Cross sectional Study of behavioral problems of secondary school children and assessment of parents and teachers.	Dr S Bansode-Gokhe

5	Dr.Shivshakti Pawar	An Epidemiological study to find out risk factors prevalence of DM type 2 in clerical staff working in tertiary care Hospital	Dr S SShanbhag
6	Dr.Mandar Sadawarte	Developing responsible parenthood attitudinal model amongst adolescent boys and girls in tribal ashram shala with reference to reproductive and child health (RCH) programme	Dr.Sunita Shanbhag
7	Dr.Abhishek Joshi	A study of occupational determinants influencing health status of bus drivers of Public Transport System in an Urban Area.	Dr Kamakshi Bhate
8	Dr.Sandip Gadekar	A cross sectional comparative study – prevalence of Tobacco consumption in school going adolescent boys in urban	Dr Kamakshi Bhate
9	Dr.Sumit Wasnik	A cross-sectional study to assess the scope, implementation and utilization by rural area of Telemedicine system located in an apex	Dr.KamakshiBhate
10	Dr.Vishal Kale	An Epidemiological study to find out prevalence of hypertension & assessment of adherence to treatment to hypertensive in urban slums of Mumbai.	Dr.Rujuta Hadaye
11	Dr.Milind Jadhao	A comparative cross sectional study of diagnosis & treatment delay among new smear positive pulmonary tuberculosis patients reporting at peripheral urban health center and a tertiary hospital in a metro city.	Dr.S Acharya
12	Dr.Padmini D	Cross-Sectional Study to evolve Community Based Model for Promotion of Adolescent health initiative in girls in rural	Dr.Y.B.Chavan
13	Dr.Malanand Duphare	A cross sectional epidemiological study of tobacco use amongst women in rural area.	Dr.Mridula Solanki
14	Dr.Nilesh Ramdas Jadhav(DPH)	Morbidity profile of patients attending chronic OPD at urban slum area of Mumbai City,	Dr.MridulaSolanki
15	Dr.Amit Biranje	An Epidemiological study of health status of mentally challenged Children attending special school.	Dr. S Panchal
16	Dr.Sandeep Kasabe	The study to assess morbidity patterns among solid waste worker of municipal corporation in a metropolitan city.	Dr. Swati Deshpande
17	Dr.Omprakash Sharma	An Epidemiological Study of STI/RTI management with focus on partner management in the STI clinic.	Dr.Dilip Kadam
18	Dr .Harshal Jadhav	An Epidemiological study of Trans-gender with special reference to lifestyle, health need and high risk behavior in suburban	Dr. Sophia Fernandes

2nd year RMOs Dissertation topics:

Sr. No	Name of student	Topic	Name of guide
1	Dr. Deepika Nandanwar	Body mass index of pregnant women as an epidemiological determinant of birth weight of a new born child- A longitudinal study in tertiary care hospital.	Dr. R. R. Shinde
2	Dr. Ganesh Narware	A cross sectional study to assess epidemiological determinants in people with stammering reporting to tertiary care hospital/ centre.	Dr. R. R. Shinde
3	Dr. Anubha Shukhla	A cross sectional study to assess epidemiological factors affecting the food handlers working in food establishment of tertiary medical college	Dr. Seema Bansode-Gokhe
4	Dr. Radhakrishnan	An epidemiological study of utilisation of Rajivgandhi Jeevandayee Aarogya Yojna in municipal tertiary care hospital situated in metro city.	Dr. Seema Bansode-Gokhe
5	Dr. Arpita Gupta	A study to assess health and non-health needs and evolve appropriate interventions for tribal youth being trained in a vocational training institute in a rural area.	Dr. Sunita Shanbhag
6	Dr. Sheetal Dhoble	A prospective study to determine the effect of high risk factors present in pregnancy on maternal and fetal outcome.	Dr. Sunita Shanbhag
7	Dr. Parth Vyas	A cross sectional study of epidemiological determinants correlated with prevalence of hypertension and diabetes among Municipal school teachers located in suburban area.	Dr. Kamaxi Bhate
8	Dr. Vijay Badge	A cross sectional epidemiological study of male migrants with special reference to their high risk behaviour and health seeking behaviour in an urban slum of Mumbai.	Dr. Ravindra Kembhavi
9	Dr. Kranti Kumar	An epidemiological study to assess health needs and morbidity pattern among deaf and hard of hearing children attending special education schools for deaf in a metropolitan city.	Dr. Rujuta Hadaye
10	Dr. Dhananjay Singh	A cross sectional study to determine the epidemiological factors leading to hypertension in pregnant women attending antenatal care in tertiary care hospital.	Dr. Y.B. Chavan
11	Dr. Kannan M	A prospective community cohort study to estimate the incidence and risk factors of adverse drug reactions among tuberculosis patients on DOTs treatment in an urban TB unit area.	Dr. Shrikala Acharya
12	Dr. Minal Pandey	An epidemiological study to assess the quality of life of breast cancer patients undergoing treatment and management of diabetes in an urban slum.	Dr. Mridula Solanki
13	Dr. Sandeep Salve	A cross sectional study to assess the health status and extent of substance abuse in students attending Night junior college in field practice area of a tertiary care hospital in Mumbai.	Dr. Sanjay Panchal
14	Dr. Sandeep Hedao	A study to determine unmet needs of immunisation practice for children in an urban slum.	Dr. Swati Deshpande
15	Dr. Lekhraj Kesere	An epidemiological study to assess the prevalence	Dr. Dilip Kadam

		of refractive errors and associated factors in children of 6-12 years of age in an urban slum.	
16	Dr. Sunny Fernandes	An epidemiological study to estimate the cost of treatment and management of diabetes in an urban slum.	Dr. Sophia Fernandes
18	Dr. Preeti Patale	A cross sectional study of epidemiological determinants affecting low birth weight babies born in tertiary medical care teaching medical institution.	Dr. Seema Bansode-Gokhe
17	Dr. Priyanka Mantawar	A cross sectional study of women in Burud community (Bamboo Craft workers) with reference to their socioeconomic status, morbidity profile and occupational health issues in Mumbai.	Dr. Rujuta Hadaye

Psychiatry

A) Drug trials

- Clinical Protocol **CN162010** A multicenter, randomized, double-blind, and active-controlled, and comparative, fixed, and dose response study of the efficacy and safety of BMS-820836 in patients with treatment resistant major depression.”
- Methadone Maintenance Training (MMT) Project: Methadone Maintenance Treatment in India – An effectiveness & feasibility study (Multicentric study)
- **HIFAZAT Project:** Opioid Substitution Therapy under National AIDS Control Programme (NACO): A situation analysis
- ‘Ashwagandha’ drug trial in patients experiencing stress in collaboration with the Department of Clinical Pharmacology

B) Projects Undertaken By Faculty with Students

- A Qualitative Study of EEG Findings in Adolescents Having Schizophrenia.
Dr Heena Merchant, Dr S.R.Parkar, Dr Chetan Vispute
- A Prospective Analysis of Knowledge, Attitude and Perceptions About ECT In Relatives of Schizophrenic Patients. Dr Heena Merchant, Dr A.S.Nayak, Dr S.R.Parkar, Dr Pulkit Kaushal, Dr Abha Thakurdesai.
- A Study of Depression & Quality Of Life In Patients Of Lichen Planus
Neena Sawant, Nakul Vanjari, Uday Khopkar, Satish Adulkar
- To Study the Behavioral Problems in Children Of Asthma And Parental Attitudes To Illness
Neena Sawant, Juhi Bhargava, Chandri Deshmukh
- Compliance In Psychiatric Patients In An Urban Mumbai General Hospital
Neena Sawant, Abhishek Dubey, Anshul Yadav
- A WHO project on efficacy of project to study the prevalence of psychiatric Comorbidity in medical patient Dot plus-therapy in patients of multiple drug resistance tuberculosis?
- To study the prevalence of psychiatric morbidity and QOL in primary caregivers of patients of alcohol dependence Dr. Kranti Kadam, Dr. Rahul Bagal
- To study the age of recognition of symptoms and their co-relates in children diagnosed with autistic spectrum disorders: A retrospective study. Dr. Rahul Bagal, Dr. Kranti Kadam, Dr. S.R.Parkar, Dr. Sampada
- Study of Psychiatrists, their reasons for choosing Psychiatry and the level of stress – Presented at ANCIPS January 2013, at Bangalore Dr. Ajit Naik, Dr. Shilpa Adarkar
- To study the Psychopathology and Coping strategies in adolescent children of alcoholics – M.D. Thesis. Dr. Ajit Naik, Guide Dr. Shilpa Adarkar
- To study the sociodemographic profile and pattern of use of smokeless tobacco in psychiatric patients – Presented in ACIPS – WZB, October 2013, at Goa, Dr. Ajit Naik, Dr. Shilpa Adarkar

- Prospective observational study of Addiction Severity, Brain damage and stressful life events in young adults with substance use disorder- MD thesis Dr. Pranjalee Bhagat, Guide Dr. Shilpa Adarkar
- A study of Psychiatric morbidity in recovering ICU patients in a Tertiary care Hospital – To be presented at ANCIPS 2014 at Pune, Maharashtra Dr. Pranjalee Bhagat, Dr. Shilpa Adarkar
- A Study of Depression in Medically Ill elderly Patients with respect to Coping mechanisms and perceived social support. Dr.

Surgery

- Study of Pancreatic Trauma
- Predictors for surgical intervention in acute small intestinal obstruction

Transfusion Medicine

- Audit of transfusion of Blood Components in a tertiary care centre.
- Study of coagulopathy, complications, outcome of Massive Transfusion. Autologous Blood Transfusion in Elective Surgery. Experience at a Tertiary care Hospital.
- Red Blood Cell Transfusion volume in preterm neonates with very low birth weight: A Randomized Trial of 15 ml packed cells/kg body weight versus 20ml/kg.

Urology

- An open label, randomized, parallel group and prospective, multicentre clinical trial of IN-ALRN-001 in comparison with tamsulosin hydrochloride in adult male patients with lower urinary tract symptoms associated with BPH (completed)

Ongoing

- Role of Serum PSA in Screening of Carcinoma Prostate in Indian Population.
- Prospective open study to document the demographic profile, investigations data & treatment outcome of patients presenting with BPH.
- Randomized, Double-Blind, Multicenter, Placebo-Controlled, Proof-of-Concept Trial to Assess the Efficacy and Safety of 4-Weeks Treatment with AUS-131 (S-Equol) on Benign Prostatic Hyperplasia

In the pipeline

- Metabolic evaluation of patients with renal stones.
- Demographic profile of patients with clinical / sub clinical varicocele in normal fertile and infertile population attending OPD.
- Demographic profile & clinical course of patients with proven ESBL Urinary tract infection.
- Randomized, Double-Blind, Multicenter, Placebo-Controlled, Proof-of-Concept Trial to Assess the Efficacy and Safety of 4-Weeks Treatment with AUS-131 (S-Equol) on Benign Prostatic Hyperplasia.
- Development of new module for practical examination for superspeciality students of urology
- Urinary metabolic evaluations in normal children to formulate normogram for urinary metabolic values.
- Predicting the functional outcome of pyeloplasty in adults.
- Role of TURP in the current era of medical therapy in BPH

PUBLICATIONS

Anatomy

- Patil RA, Rajgopal L, Iyer P. "Absent external jugular vein – Ontogeny and clinical implications". International Journal of Anatomical Variations. 2013; 6: 103-105.
- Surwase RG, Rajgopal L. An anomalous coracobrachialis muscle – A case report. International Journal of Current Research and Review. 2013; 5: 112-115.

Anesthesia

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- “Dengue awareness Programme in Mumbai City” involvement of undergraduate students in collaboration with Public Health Development of MCGM.

Dr.S.M.Acharya

- Perception & practices of traditional birth attendants in a tribal area of Maharashtra: A quantitative approach_ The Health Agenda, Vol. I, issue3, July 2013.
- Medical Journal of western India Vol n41, issue No. 1 Feb 2013 Nutritional & Morbidity Profile of Brick Kiln workers in Sakwar , tribal area of Thane District

Physiotherapy

International

- Implicit learning of Pheriparal motor task on post stroke subjects – IJPOT – Oct. 13-Dec. Vol. 3- R Lakshmi Prabha.
- Which is the better method to improve “Perceived hamstring tightness or exercises targeting hamstring muscles, International Jr. of Osteopathic Medicine July 13 Bhavana Mhatre, Yuvraj Singh, Janvi Tambekar, Amita Mehta.

National

- Analysis of work related Musculoskeletal Pain in lons drivers – Cross-sectional study Indian Jr. of Physiotherapy & Occupational Therapy Vol 7, No2, April-June 13 Dipti Geete, Bhavana Mhatre, Madhavi Lokhande, Amita Mehta
- Effect of Iliotibial band stretching on pain & functional activities in patients with Osteopathic arthritis Indian Jr. of Physiotherapy & Occupational Therapy Vol 7, No2, April-June 13 Ketki Kane, Bhavana Mhatre, Amita Mehta
- Restoration of normal length of Upper trapezius & levator scapular in subjects with adhesive capsulitis. Indian Jr. of Physiotherapy & Occupational Therapy Vol 7, No2, Jan.-March 13 Niranjana Pandit, Bhavana Mhatre, Amita Mehta

Psychiatry

- Sawant N S, Bokdawala R A. Pregabalin in the treatment of Charles Bonnet Syndrome. JPMA 2013;63, (4): 530-531
- Abhivant N, Sawant N. Sexual dysfunction in depressed Indian women attending a hospital outpatient department in Mumbai. SL J Psychiatry 2013; 4 (1):10-13
- Mangot Ajish G., Sawant Neena S. First Episode Schizophrenia: Neurological Abnormalities and Prognosis. GJP 2013; vol 2 : 76- 80.
- Sawant N, Naik A. Pregabalin Induced Remission of Charles Bonnet Syndrome .Malaysian journal of psychiatry 2013, 22(2).
- Kedare J. Mental Health Role of Education, in Mental Health and Role of Education, Oct 2013, 54-55.
- Article on ‘Yashasvi kamjeevanateel Adathale’ in Charchoughi, a monthly magazine in Marathi
- Study of Psychiatrists, their reasons for choosing Psychiatry and the level of stress in Journal :
- Archives of Indian Psychiatry Vol. 15 No.1 April, 2013 Dr. Shilpa Adarkar, Dr. Ajit Naik
- Kate N, Grover S, Kumar S, Modi M. Bupropion induced hyponatremia. General Hospital Psychiatry 2013; 35:681
- Grover S, Sharma A, Kate N, Mattoo S, Basu D, et al. Symptom profile and outcome of Delirium Associated with Alcohol Withdrawal Syndrome. A study from India. The American Journal of Addiction 2013; 22:503-509
- Kate N, Grover S, Kulhara P, Nehra R. Relationship of caregiver burden with coping strategies, social support, psychological morbidity and quality of life in the caregivers of schizophrenia 2013; 6:380-388

Radiology

- Br J Neurosurg. 2013 Apr;27(2):243-5. doi: 10.3109/02688697.2012.717986. Epub 2012 Sep 6. Ruptured intracranial tubercular infectious aneurysm secondary to a tuberculoma and its endovascular management. Saraf R, Limaye U.
- Indian J Gastroenterol. 2013 Jan;32(1):69. doi: 10.1007/s12664-012-0182-4. Mesenteric carcinoid. Udare AS, Mondel PK, Raut A, Hira P.

IN THE LIMELIGHT

Anesthesia

- Organizing Secretary for “ Topics in Paediatric Anaesthesia -2013” organized at Seth GS Medical college & KEM Hospital, Mumbai, from 5th -7th March 2013. – Dr. Nandini Dave
- Organizing Secretary for CME on “Anaesthesia Aspect of Solid Organ Transplant” CME – 2013, On Sunday 1st September, 2013 at MLT, KEM Hospital, Mumbai. – Dr. Prerana Shah

Cardiology

- Collaboration with American College of Cardiology for the PIQIP Study.
- Dr. Kerkar was interviewed on Sahyadri Channel for awareness regarding congenital heart disease
- Dr. PG Kerkar performed a live case demonstration on simultaneous RSOV+large ASD device closure in a 35 yr-old female aired live to a large number of cardiologists across the country at the India Live Conference held at Hyderabad in Sept, 2013.
- The abovementioned use of Whatsapp in chest pain patients was highlighted in the widely read Mumbai Mirror newspaper (Docs use Whatsapp to save patients, 13th December, 2013) as well as the TV9 news channel

Chest Medicine

The Times of India (12th April 2013)- Dust from S Arabia settles as haze in Mumbai

Even as dust haze continued to envelop the city for the third day on Thursday, its density has diminished. This is the second year in a row that such a haze-direct consequence of a dust storm over distant Arabian Peninsula-has visited the city. V K Rajeev, director of weather forecast at Indian Meteorological Department (IMD), Mumbai, said the dust storm, which started on March 24, has been blowing through parts of Saudi Arabia, Kuwait and Iraq. "This dust storm was favoured by Westerly winds, which caused it to move across Arabian sea on the west coast, thus affecting places such as Mumbai, Goa and Ratnagiri." The visibility was low on Tuesday; it was reportedly half the normal visibility of 6,000 metres at 3,000m. "The intensity of the haze has eased since Tuesday as the dust mass has been carried away further eastwards. "Last year in March, too, Mumbai had been in the grip of a very high density dust storm. South-westerly air currents had carried the dust from Saudi Arabia to several parts of northern India and then to Mumbai by northerly winds. The MET department, though, had said a sandstorm in Rajasthan was responsible for the haze last year. High pollution levels this time have spelt trouble for those who already suffer from asthma, sinusitis or rhinitis. Neha Khera (38), for instance, was among several Mumbaikars who had problems breathing. Khera, who suffers from asthma, found her symptoms aggravated by Tuesday noon. "By the time I reached my office, I started coughing. By lunch, I had to go to see my doctor." Dr Ashok Mahasur, chest physician at Hinduja Hospital, said, "At such times, we mostly get senior citizens who complain of breathlessness. Even a few students are brought in during exams because of coughing. *"A high amount of particulate matter in the air can cause respiratory problems. It is not advisable for chronic respiratory patients to go outdoors," said Dr Amita Athavale, chest specialist at KEM Hospital. "Wearing masks will not help. Patients will have to take extra medications. But the only way to avoid a troublesome bout of wheezing or cough is by staying indoors."*

The Times of India : 31st October 2013- ASTHMA PATIENTS IN Diwali dread- Crackers And Smoke Leave Those With Respiratory Problems All Cracked Up During Festive Season

For everyone else, Diwali means celebrations and get-togethers. But for Arjan Manchanda, it means self-imposed solitude. Every Diwali, the 78-year-old confines himself to his room in his sixth-floor-flat, closes all doors and windows and waits for all the celebrations to get over. The asthma patient, wants to shield himself from the smoke of firecrackers. Even though we stay on the sixth floor, the smoke still affects me, said the Mazgaon resident. Asthma keeps many like him away from Diwali. I absolutely avoid going out especially at night during Diwali week, said Vasant Rao (68), a resident of Kings Circle. Due to the weather change, pollution levels rise from October and smoke from crackers means patients who have respiratory disorders get aggravated symptoms and sometimes

an acute attack. We see a 30% rise in respiratory morbidity post-Diwali, said Dr Ashok Mahasur, chest physician at Hinduja Hospital. This time, city doctors are more wary. Since the city has just gone through a flu epidemic, this time the immunity of asthma and bronchitis patients has reduced. If subjected to smoke they are bound to face more problems than usual, said Dr Pramod Niphadkar, a chest physician at St George Hospital. Doctors say anar and chakri are the biggest culprits as they spread a lot of smoke, adding rockets are a better bet. Moreover, any firecrackers should be burst on the terrace or open spaces, where there is adequate ventilation. But it is preferable if asthma patients stay away from crackers completely, said Niphadkar. If possible, the patients should go out of Mumbai, or at least stay away where crackers are being burst, said Nalini Bhelade, chairperson of Asthma and Bronchitis Association of India, a support group of asthma patients. While avoiding the smoke completely may be impossible, those who have problems in Diwali often find it difficult to get doctors, most being on holiday. So patients are advised to be well-prepared. We tell patients to be equipped with emergency medicines and inform them about the dos and don'ts, said Dr Niphadkar. We give special instructions to the emergency ward regarding these patients, said Dr Mahasur. *Dr Amita Athavale, head of department of chest medicine at KEM Hospital says avoiding exposure might not be possible. So we tell patients to increase medication dosage. We also teach patients early identification of symptoms so the problem can be controlled before it goes out of hand, said Dr Athavale. People should understand that their short-term celebration affects others in the long term. One can come up with innovative ideas like laser shows to celebrate the festival of lights rather than gifting troubles with fireworks, she added.*

Clinical Pharmacology

- Dr. Thatte served on the High Level Committee for deciding policies for Fixed Dose Combinations for Govt. of India

ENT

- Interview on World Deafness day aired on DD Sahyadri- In Hello Doctor program on 1st May 2013
- Interview on Aakashwani on "world deafness Day" on 21st September 2013

Microbiology

- Dr Preeti Mehta participated in the Doordarshan live interactive program in Marathi "Hello Doctor" on HIV/AIDS.

Neonatology

- Dr NS Kabra: TV programme on care of preterm baby on Hello Sakhi in August 2013.

Nephrology

- First time successful renal transplant in HIV patient. (Loksatta).
- Afternoon news paper-2 Sep 2013- Handling of Rarest of rare case of Haemolytic Uremic Syndrome (HUS).
- Appreciation letter from Mayor of Mumbai for performing first transplant in HIV patient.

Neurology

- Department was listed in top ten neurology department in India in a survey published In "The Week" in December 2012.

Nursing – College and Hospital

- Leelamata Purskar: 4 nurses
- Mayor awards: 1 sister incharge, 1 staff nurses, 1 student nurse
- Kurunasheel Purskar :13 nurses

Pediatric Surgery

- Organized state level chapter of Indian Association of Pediatric Surgeons

Pediatrics

- Dr. Mukesh Agrawal quoted for having identified patients with Hand Foot Mouth Disease- Report in Mumbai Mirror (3rd Sept. 2013)

Pharmacology and Therapeutics

- A series of articles on Ayurveda, in Arogya supplement in Navakal Newspaper. Dr Sudatta Shirolkar & Dr NN Rege.

Physiology

- Organized Dr. A. C. Duarte Monteiro Oration, by Dr. Sabyasachi Sircar on “Problem – seeking learning: Examples from Cardiovascular Physiology” on 11th Dec. 2013.

Urology



AWARDS AND HONORS

Anatomy

- Khushale KD. Paper titled “Right Trigone of the Heart” secured second prize in the Staff Society Paper presentation in July 2013

Anesthesia

- Organizing Secretary for “Topics in Pediatric Anesthesia -2013” organized at Seth GS Medical College & KEM Hospital, Mumbai, from 5th -7th March 2013. – Dr. Nandini Dave
- Organizing Secretary for CME on “Anesthesia Aspect of Solid Organ Transplant” CME – 2013, On Sunday 1st September, 2013 at MLT, KEM Hospital, Mumbai. – Dr. Prerana Shah.

Cardiology

- Dr Charan Lanjewar was elected to Fellow status in American College of Cardiology on 20th August 2013
- Dr Charan Lanjewar was a convener for DM Cardiology examination on 23/12/2013
- Dr Charan Lanjewar was External examiner to conduct University Practical Examination of 2nd and 3rd year BPMT twice in 2013
- Dr Seema Gawali and Dr Rajeev Sharma shared gold medal in DM Exam 2013 of M.U.H.S. Nashik
- Dr Sushil Tripathi stood 1st in ECG quiz in CSI-2013.

Chest Medicine

- Won 1st prize for Envirotech Scientific Article Contest 2013 on “Impact of Ambient Air Quality on Human Health (Indian Experience)”

Clinical Pharmacology

- Dr. Thatte served on a committee for deciding policies for Fixed Dose Combinations for the Govt. of India
- Dr Kannan S has won second prize in paper presentation in FERCI 2013 conference
- Ms. Shital won first prize in poster presentation at DIA, USA for her work on “Evaluation of Cytochrome P450 2C19 activity in normal, healthy, adult subjects in Western Indian Population”.
- Mr. Nitin Mali got the best thesis award in the institution for MSc thesis entitled, “Evaluation of activity of Cytochrome P450 2D6 (CYP2D6) in Western Indian population by phenotyping”.

Dermatology

- Dr. Vidya Kharkar- 8th feb 2013 – TV show Hello Sakhi on skin care
- Dr Siddhi b. Chikhalkar- TV shows- 1 21 Jan hello doctor, 26th Jun 2013 Swasta Bharat
- Dr Sarvesh Thatte-skit play at STI training program and STI lectures
- Dr Yogesh Kalyanpad-skit play at STI training program and STI lectures

Endocrinology

- 2013 Ambassador Exchange program, organized by Endocrine Society, USA to India from 19/1/13 to 2/2/13. Faculty Dr. Gary Hammer U.S. Endocrinologist & Dr. Tobias Else, U.S trainee at Seth G S Medical College and K.E.M Hospital
- CME on thyroid nodule on 19/3/13, visiting faculty Dr. Roma Gianchandani from Michigan University USA.
- Diabetic day celebrated on 14/11/2013
- One day seminar on “Challenges in the Diagnosis and Management of 46 XY DSD. By Professor Dr Olaf Hirot from Germany on 2/12/13.
- One day interactive session on Pediatric Pituitary disorders on 10.12.2013 by Professor Dieter K. Lüdecke & Professor Patricia Crock. From Australia

- One day interactive session on pheochromocytoma with Dr Simon Rajratnam, Professor, Endocrinology, CMC Vellore

GI Surgery

- Dr Chetan Kantharia awarded First Prize at State Essay Competition on My Memorable Surgical Experience Organised by IMA- Sangli Chapter.
- Dr Chetan Kantharia was conferred upon Honorary AMASI Fellowship
- Dr Chetan Kantharia was elected as executive member of the Indian Chapter of Hepato-Pancreatico-Biliary Association.
- Dr Sharvari Pujari awarded 1st Prize for Poster presentation on Outcome of bile duct injuries at MASICON
- Dr Sharvari Pujari 1st Prize for Best Poster at FIAGES 2012 at Ahmedabad for “Yield of Diagnostic Laparoscopy in Abdominal.
- Dr Sharvari Pujari Meritorious Prize at State Essay Competition on My Memorable Surgical Experience Organised by IMA- Sangli Chapter.
- Dr Sharvari Pujari, Dr Vikram Chaudhari, Dr Suhail Khuroo, Dr Adithya Nargund, Dr Mirza Beg and Dr Sagar Kurunkar were awarded AMASI Fellowship after successfully clearing their exams.
- Dr Vikram Chaudhari was awarded FIAGES Fellowship after successfully clearing his exams.

Institutional Ethics Committees

- Dr. Vikram Londhey (Co-Chairperson, IEC-I) “Awareness about Ethics committees amongst medical teachers in a medical college” presented at APICON 2013 at Coimbatore received the JN Berry Award for the Oral Presentation.
- Dr. Vikram Londhey (Co-Chairperson, IEC-I) received the second prize for the Senior Category for this paper in staff Society Presentation at Nair Hospital in 2012-2013.
- 3. Dr. YC Shetty (Member, IEC-II) received a best poster award on “Queries raised by the Institutional Ethics Committee (IEC) of a tertiary care hospital in Mumbai – a ten year analyses” at 2nd National Conference of FERCI 2013 held at PSG Coimbatore.

Medicine

- Dr.N.N.Redkar, Professor, Consolation Prize in Essay Competition on the topic ‘Swami Vivekananda on Women Empowerment’ organized by staff Research Society of GSMC & KEMH 24th March 2013.

Microbiology

- 2nd prize awarded to Dr. Supriya Paranjpe for poster presentation - Trend of HIV positivity among clients/patients tested for HIV at ICTC, Mumbai at ASICON 2013
- Mr. Vaibhav Deshpande was awarded PhD degree in Microbiology

Neonatology

Dr Ruchi Nanavati

International: Dr. Ruchi Nanavati: International Board Certified Lactation Consultant

National

- Ruchi Nanavati : National Expert of Facility Based Newborn Care Project under National Reproductive and Child Health Program, Ministry of Health & Family Welfare, Government of India supported by Norway India Partnership Initiative (NIPI) & UNICEF
- Ruchi Nanavati: National Trainer in Neonatal Resuscitation Program, Joint Task Force of Indian Academy of Pediatrics & National Neonatology Forum India.
- Ruchi Nanavati: Organizing Committee member of 12th National Conference of Hospital Infection Control Society of India

- Ruchi Nanavati: MCI inspector for DM Neonatology Dr. Ruchi Nanavati: Reviewer for Indian Pediatrics, Journal of Postgraduate Medicine, Pediatric Infectious Disease Journal.

State / City:

- EC member of Mumbai Breastfeeding Promotion Committee.
- EC member of National Neonatology Forum Maharashtra Branch
- EC member of National Neonatology Forum Mumbai
- Faculty for 10th State conference of National Neonatology Forum Maharashtra Branch
- Core committee member of Medical Officers Certificate Course(MOCP) of NRHM,
- Govt. of Maharashtra
- Core committee member of Health Mission Core Group set up by MCGM & Mumbai First

University: Convener / Examiner for DM Neonatology examination, MUHS & AIIMS Delhi.

College: Member of Hospital Infection Control Committee of KEM Hospital, Advisory board member to Journal of Postgraduate Medicine

Miscellaneous: Trustee of a NGO, SNEHA, working for women & children of urban slums

Dr Nandkishor Kabra

National:

- Dr Nandkishor Kabra: National Trainer in Neonatal Resuscitation Program, Joint Task Force of Indian Academy of Pediatrics & National Neonatology Forum India.
- Dr Nandkishor Kabra: Reviewer for Indian Pediatrics, Indian Journal of Pediatrics.
- Dr Nandkishor Kabra: International Editor for Journal of Clinical Neonatology.
- *State / City:* EC member of National Neonatology Forum Mumbai, Faculty for 10th State conference of National Neonatology Forum Maharashtra Branch
- *University:* Examiner for IAP Fellowship in Neonatology exams.

Nephrology

- Dr Vaibhav Keskar was awarded third rank in Burjis N. Khurshedji award session in West Zone chapter of ISN Conference, Rajkot, Gujarat, 2013 for the paper "Nutritional Status in Various Stages of CKD".
- Dr. Vaibhav Keskar was awarded "Best Resident" on foundation day.
- Best Paper award of staff society year 2013 for, "Earlier-start versus usual-start dialysis in patients with community-acquired acute kidney injury: a randomized controlled trial.
- "Global kidney academy, online" awarded to Dr. Tukaram Jamale for online contributor of the year
- Appreciation award for Mr. Anand Naigaonkar on foundation day.

Occupational therapy

National:

Dr. Mrs. Jayashri S. Kale (Professor & Head):

- As a member of the Academic Council All India Occupational therapy association - Actively Participated in the educational issues related to educational compatibility with NBCOT for migration to US.
- Nominated as participant for the wheel chair management training conducted by WHO at Bangalore.

Dr. Mrs. Zarine D. Ferzandi (Associate Professor):

- Appointed as a Conference Coordinator for Annual National Conference of All India Occupational Therapist' Association (Bhubaneshwar 2014)

Mr. Hemant P. Nandgaonkar (Assistant Professor):

- Participated as the Member of Abstract Review Committee and program committee at the 9th Triennial Congress of the International Federation of Societies for Hand Therapy held at Delhi, March 4-8, 2013

Dr. Mrs. Jayashri S. Kale (Professor & Head):

- Appointed as a member of the three member committee for setting up a department of disability studies at the MUHS Nasik”, By VC MUHS. (18/12/13)

MUHS Student Awards:

Undergraduate & Postgraduate Examinations (May-June 2013) First Rank Holders:

- First B.O.Th: Ritisha Shetty 73.8%
- Second B.O.Th: Simoni Parekh
- Third B.O.Th: Angana Vaishnav
- Fourth B.O.Th: Ramangi Aaras
- M.O.Th. (Musculoskeletal Sciences): Shital Pathak
- M.O.Th. (Neurological Sciences): Pradnya Bhovad
- M.O.Th. (Developmental Disabilities): Nivedita Gawand

Orthopedics

- Invited faculty at 7th National Congress of Indian Society of Hip & Knee Surgeons (ISHKS) held at Kolkata from 26-28th April 2013 (Dr Atul Panghate)
- Section Editor in the “Knee Section” of Textbook of Orthopaedics & Traumatology, Edited by Dr. G. S. Kulkarni, published by Jaypee Publications, Delhi. (Dr SS Mohanty)
- Invited guest on Doordarshan—Sahyadri channel on joint replacement (Dr MM Desai)

Pathology

- National - Received the Dr. SJ Nagalotimath Memorial Excellence in Teaching Award at Jawaharlal Nehru Medical College, Belgaum, June 2013
- 8b. Awards & Honors: State - Received the First Prize for the co-authored Paper entitled “Congenital Heart Disease in Adults: An Autopsy Study” at 34th MAPCON Jalgaon, September 2013; Received the Second Prize for the co-authored Poster entitled “Maternal Mortality due to Fatal Herpes simplex virus infection: A Report of Two Cases” at 34th MAPCON Jalgaon, September 2013
- First prize for poster presentation “Development of an in-vitro model employing vascular endothelial cells for its potential use in tissue engineered valves and conduits” – Almelkar SI, Divate S, Patwardhan AM at “National Seminar on Recent Trends in Biology, Biotechnology and Bioinformatics” at Vita, Maharashtra, September 6-7, 2013

Pediatric Surgery

- First prize for best paper on Laparoscopic management of congenital diaphragmatic hernia: Dr Devdas Samala (National conference of IAPS at Bhubhaneshwar)
- Dr Dinesh Mundada, Dr Satish Kapadnis, Dr Shishira Shetty (B Braun scholarship)

Pediatrics

- Dr. Mamta Muranjan: First prize for Poster presentation on Gaucher disease: Response to Enzyme replacement therapy. Co-author, at the International conference on Inborn errors of metabolism and 2nd National conference of ISIEM, New Delhi, April 5 – 7, 2013
- Dr. Milind Tullu: “Who’s Who in the World” 2013 (30th Pearl Anniversary Edition 2013) & 2014, Marquis Who’s Who, USA.
- Dr. Milind Tullu: “Leading Health Professionals of the World 2013” and “Top 100 Health Professionals 2013” (International Biographical Centre, Great Britain)
- Divecha C, Deshmukh CT, Tullu MS. Study of Fungemia in Pediatric Intensive Care Unit and Associated Risk Factors. PIDC - 2013 (4th Pediatric Infectious Diseases Conference-Emerging Infections and Vaccine Dilemmas organized by Pediatric OnCall), Mumbai (17th November 2013). [This Poster was awarded the second prize].

Pharmacology and Therapeutics

- “1st prize for poster” won by Dr Yashashri Shetty at 2nd FERCI National conference on Research Ethics on “*Bioethics and Clinical Research Regulations*” organized by PSG Institute of Medical Sciences & Research, Coimbatore from 8-9th November 2013 for poster on “Queries Raised by the Institutional Ethics Committee (IEC) of a Tertiary Care Hospital in Mumbai - A 10 year analysis”. Kamat SK, Shetty YC, Marathe PA, Raut SB.
- “G. Achari Prize” won by Dr Kshitij Jadhav at 45th Annual Conference of Indian Pharmacological Society, IPSCON and international conference on Navigating Pharmacology towards safe and effective therapy, January 5-7th, 2013, at Vanamati, Nagpur for his work done on “Evaluation of ampicillin and ceftriaxone on ethanol consumption in alcoholic dependant rats”. Kshitij Jadhav, Suraj Ghag, Afreen Sheikh, Yashashri Shetty.
- Best Free Paper 1st Prize” won by Dr Amol Patil at 46th Annual Conference of Indian Pharmacology Society (IPSCON-2013) at NIMHANS Convention Centre, Bangalore, from 16-18th December 2013 for his oral paper on “Off label use of perioperative medication during anesthesia in surgical wards of a teaching hospital”. Patil AE, Shetty YC, Gajbhiye SV, Salgaonkar SV
- Following article of Dr Pankaj Sarkate in *Journal of the Association of Physicians of India* won Second Prize for “Dr. JC Patel and BC Mehta Best Paper award” under the category of Original Article for the year 2013. Early, structured disease modifying anti-rheumatic drug (DMARD) therapy reduces cardiovascular risk in rheumatoid arthritis- a single centre study using non-biologic drugs. *J Assoc Physicians India* 2013; 61: 531-4. Chatterjee S, Sarkate P, Ghosh S, Biswas M, Ghosh A.

Physiology

- Late Dr. Dharani’s Cash prize of Rs. 5000 was awarded to Dr. Pallavi Sawant for standing 1st in university exam of M.D. Physiology, amongst the students of G.S.M.C.
- Late Dr. Dharani’s Cash prize of Rs. 1000 was awarded to Kasale Mithili for standing 1st in Physiology in 1st M.B.B.S. exam conducted by university, amongst the students of G.S.M.C

Plastic Surgery

- Visiting Professor of Plastic Surgery 2013, awarded by APSI.

Preventive and Social Medicine

- Dr. R.R. Shinde was entrusted the post of Ad-hoc I/c Dean of G.S. Medical College & KEM Hospital to specified periods.

Transfusion Medicine

- Dr. Jayashree Sharma-Executive committee member of Maharashtra state chapter of ISBTI (Indian Society of Blood Transfusion and Immunohaematology).
- Dr. Jayashree Sharma, Dr. Charusmita Modi and Dr. Swarupa Bhagwat-members of Indian Society of Transfusion Medicine & South Asian Association of Transfusion Medicine.

Urology

- Dr. Sujata Patwardhan, Professor and Head appointed as Chairman to prepare syllabus of Fellowship Courses in Reconstructive Urology by Maharashtra University of Health Sciences (MUHS), Nashik

DONATIONS AND GRANTS

Biochemistry and Clinical Nutrition

- Research society Project on young Hypertensives, Rs 50000/- by Research society.

Chest Medicine

- Neeri project grant-4 lakhs

CVTS

- One defibrillator from DDF
- Servo controlled radiant warmer with trolley (n =2) from M/S Sarv Health Care
- Neonatal warmer from Mr Gaurav Khatri

GI Surgery

- Mr Shashikant Vora: Rs 2,50,000/- for buying Surgical equipments and Loupes for Surgery.
- Mr Tilay Sushad: Rs 25,000/- for renovation of Seminar Hall
- Dr RD Bapat: Rs 20,000/- for renovation of Seminar Hall
- Mr Bachubhai Shah: Rs 20,000/- for renovation of seminar hall.
- Mr Mohan Pai: Rs 25,000/- for buying of chairs for Seminar Hall
- Mrs Suniti Jain: Rs 10,000/- for renovation of Seminar Hall

Microbiology

Source	Amount	Use
IDTRC, CMC & Hospital, Vellore	Rs.	ASIP project for S.pneumonia, H.influenzae, & N.meningitidis infection surveillance.
ICMR grant	Rs.3,00,000/-	patient care
Grant from State Government under National Vector Borne Disease Control Programme (NVBDCP)	Rs. 1,00,000/--	Dengue and Chikungunya ELISA
NACO	Rs 1,15,000	CD4 activity
NACO	Rs 72,000/-	EQAS activity
NACO	Rs 50,000/-	ICTC activity
NACO	Rs. 90,000/-	HIV Sentinel Surveillance

Neonatology

Patient Care & Strengthening Department :

Name of Donor	Amount donated/Equipment donated	Specific activity for which donated
UNICEF	Rs. 1190109.00	Facility Based Newborn Care project
Mr. Shobhit Ranjan	Masimo Pulse Oximeter & Fischer Paykel Bubble CPAP (Rs. 200000/-)	Patient care
Inner Wheel Club of Bombay charity Trust	Fischer & Paykel Bubble CPAP (Rs. 210000/-)	Patient care
Mrs. Aparna Naik	Bird Meditech Phototherapy (Rs. 10000/-)	Patient care

Nephrology

- Donation from D.J.S.T. – Rs. 1,04,000/- (Bicarbonate mixture with stirrer and B.P. apparatus, glucometer.)

Obstetrics and Gynecology**By Dr. S. V. Parulekar**

- Five Books costing Rs. 10,000/-, to departmental library.
- All issues of Journal of Obstetrics & Gynaecology of India to departmental library.

ICMR HRRC (from ICMR)

Rs. 29,19,374/-

HRRC: Grant sanctioned (Received Rs.19,00,000)

Rs. 3,01,000/-

Progesterone Vaginal Ring (PVR): grant sanctioned

Teenage Pregnancy Project: Sanction of next installment of grant being finalized at ICMR HQrs.

Orthopedics

- Received C-Arm Intensifier of M/s. Allengers Company from Ratanchand Hirachand Foundation for our department.
- Received VAC Machine and Manman hand piece (reamer and drill) from DJST as donation.
- Sponsorships received from various companies towards participation in Workshops

Pathology**Research**

Name of donor / fund	Amount donated / allotted	Specific activity for which donated
Dr. Anil Amin	Rs. 10,00,000/-	Renovation of Surgical Seminar room with advance computerized facility.

Strengthening the department

Name of donor / fund	Amount donated / allotted	Specific activity for which donated
Teaching Pathologists Conference group – Mumbai	Rs. 5000/-	Department and faculty development and activities.

Pediatrics - Patient Care:

Name of donor	Amount donated	Specific activity of donation
Lioness Club of Breach Candy	Rs. 35,000/-	Syringe Infusion Pump (Co-ordinated by Dr. Mukesh Agrawal & Dr. Milind S. Tullu)
DJST	Rs. 38,000/-	Laptop for Departmental educational activities (Co-ordinated by Dr. Mukesh Agrawal & Dr. Milind S. Tullu)
Parikh Foundation	Rs. 1,50,000/-	Five Syringe Infusion Pumps (Co-ordinated by Dr. Mukesh Agrawal & Dr. Milind S. Tullu)

Pharmacology and Therapeutics

Name of Donor	Amount Donated	Specific Activity for which donated
Merck	Rs 3,75,050/-	Educational activity
Abbott Healthcare Ltd	Rs 2,20,000/-	Protocol development
Medical Institutions	Rs 50,000/-	Research Methodology workshop

Physiology

Name of the Donor	Amount donated	Work for which donated
Dr. J. B. Dharani	Rs: 4,400	Books for Departmental library.

Preventive and Social Medicine

- Grant received for conducting state level Quiz for UG medical students. Indian Public Health Association - 5000/-
- Grant-in-aid Rs. 20,000/- for postgraduate dissertation in TB from Maharashtra State TB Control Society.
- Patient Education Centre was requested to make posters on 'Cleanliness and hospital safety' for all 3 medical colleges and on 'Diabetes, breastfeeding for all peripheral hospitals – Rs. 30,000/-

Urology

- Endoscopic Instruments worth Rs.5 Lacs donated by Olympus

LOOKING AHEAD

Anatomy

- CCTV monitoring of lecture theatres, laboratories and departmental corridor (for security)
- Preparation of e-learning modules for microanatomy and gross anatomy for 1st MBBS students
- Electron Microscopy Facility
- Plastination Facility
- Genetics laboratory
- Air-conditioning of Dissection Hall, Microanatomy Laboratory, Anatomy Lecture Theatre with Laminar Airflow Systems

Anesthesia

Patient care

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

Education

- Difficult airway training centre.
- DM in Neuro Anesthesia, Pediatric Anesthesia.

Biochemistry and Clinical Nutrition

- To introduce innovations in teaching technology which will be relevant and facilitate better students' learning.
- Introduce integration teaching learning methods and case based study.
- To be able to reduce turn-around time in laboratories
- To collaborate with National and International Agencies and to diversify and upgrade the research activities.

Cardiology

- An Echo-color Doppler machine and another Cath lab are expected once the requisite procedure is completed.
- We are in the process of expanding a 'Chest pain registry' which would include all patients presenting to the EMS with acute chest pain.
- Fellowship program for post DM /DNB candidates in Paediatric Cardiology, adult interventional cardiology and electrophysiology is proposed

Chest Medicine

- Study of determining prevalence of asthma and environmental factors (Project funded by NEERI)
- Estimation of vitamin D levels in patients with COPD

Clinical Pharmacology

- Pharmacokinetics-Pharmacodynamics relationship of antibiotics in seriously ill patients.
- An open and prospective clinical study to study the genotype and phenotype of Paraoxonase 1 (PON-1) in normal healthy individuals and patients of Coronary Heart Disease (CHD).

CVTS

- Expansion of the facilities has been proposed in the 2nd phase of the institution development plan.

Endocrinology

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

Research

- Establish molecular endocrinology laboratory
- 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 and osteoporosis etc.
- Increasing number of national and international publications.

Education

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

Forensic Medicine

- Adequate staffing

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 with a multi-disciplinary team.

GI Surgery

- To start Bariatric/ Metabolic Surgery
- To start Telemedicine Clinics with links with other GI surgery Departments in India.
- To collaborate with AIIMS, and ICMR in the upcoming research projects.

Hematology

- Cytogenetic and molecular study of Myelodysplastic syndrome in Indian population
- Telomerase activity and telomere gene mutations in aplastic anemia

Library

- Subscribing to more databases such as Clinical Key, Ovid MD
- Subscribing to Micro medics and more e books

Microbiology

- The department proposes to accredit all its laboratory services. The department has put up a proposal for the establishment of biosafety level 3 containment laboratory to facilitate culture and drug susceptibility testing for both primary and second line drugs for TB.

Neonatology

- Renovation of NICU
- Initiation of Newborn Screening in MCGM
- Establishment of emergency Neonatal Care services
- Establishment of Fetal Medicine Clinic.
- Initiation of Community based Kangaroo Mother Care.

Nephrology

- Expand deceased donor programme.
- CAPD programme
- C.K.D. Clinic.
- Specialty clinic
- Dialysis clinic
- Autoimmune disease clinic
- Computerization Nephrology record.
- Lupus clinic.
- Blood biochemistry and other investigations are going to be started in dept. lab soon.

Neurology

- Establish stroke unit, dementia clinic and second phase epilepsy surgery with invasive monitoring and intra operative electro corticography

Neurosurgery

- The Department is establishing its own neurovascular laboratory, specifically for intraoperative angiography.

Obstetrics and Gynecology

- OT renovation

Occupational therapy

- Patient care: The department has a vision of establishing a state of art department of Occupational Therapy reflecting the latest trends and technological care imparted by the professionals, improvised over the last 63 years. We also wish to set up a unique rehabilitation care center for the physically and mentally handicapped with facility of disability evaluation. We wish to incorporate an orthotic and prosthetic department at the Occupational Training School & Center of Seth G. S. Medical College and K. E. M Hospital.
- Education: We wish to develop E-learning programs for distant learning and education. We also wish to start integrated Masters Program and Short Certificate Courses at the University Level.
- Research: The objectives of research have always been a part of the student programs. We look forward to collect data for standardizing scales on the Indian population in different fields of Occupational Therapy for the purpose of assessment & intervention.
- Campus and Infrastructure: Renovation of the department portraying the specialty areas developed in the past years, incorporating the facility of internet and intranet at Occupational Therapy Department.

Orthopedics

- Computer Navigation assisted spinal surgery and arthroplasty
- Bone banking advances
- Spinal rehabilitation center
- Up gradation of equipment and facilities in operation theatres
- Up gradation of OPD for more patient friendly outpatient care
- OT time to be increased with increase in no. of OT from three to four.

- Dedicated orthopedic trauma unit with 3 orthopedic table (2 clean and 1 septic table) in EMS
- To create more place in OPD to cater 300 patients per day
- Research Lab for stem cell, regeneration medicine, cartilage transplant, bone banking so as to work in direction of current technology development across the globe.
- Intensive care unit for Orthopedic supra major cases

Pathology

Patient care

- Initiate immunofluorescence microscopy for renal biopsies.
- Expand range of tests for lipid and enzyme biochemistry with automated systems
- Establish panel of tests for lupus anticoagulants.
- Continue up-gradation of hematology services with five part differential blood cell counters.
- Initiation of immunocytochemistry on FNAC slides and cell blocks
- Establish routine immunohistochemistry for tumor markers.
- Establish routine IHC for ER,PR of breast tumors
- Continue up gradation of Surgical Pathology and Hematology with automated equipment and new techniques
- Continue upgradation of hematology services with additional automated analysers.
- Enhancing cytological techniques with cytocentrifugation, cell block preparation etc.
- Continue to enhance surgical pathology services with automated equipment.

Education

- 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.
- Upgradation of UG Pathology practical class with CCTV camera & projector.

Campus and infrastructure

- Pathology museum, practical class, office renovation / restoration
- Renovation of CVTC laboratories 116, 315, 316.
- Procurement of additional photomicrographic microscopes
- Modernization of museum underway.

Pediatric Surgery

- Modular OT set up to be established

Pediatrics

Patient Care

- Initiation of new Pediatric Gastroenterology OPD.
- Expansion of the Pediatric Wards bed strength from 90 to 120 teaching beds and increase teaching units from 3 to 4.
- Upgrading bed strength of Pediatric ICU to 20 beds (from present 9 beds).

Education

- Initiation of Fellowship Programs in Pediatric Neurology & Learning Disabilities.

Research

- Establishment of Core Committee to monitor the on-going research projects in the Pediatric Department.

Pharmacology and Therapeutics

Patient Care

- Upgradation of existing facilities for Ayurvedic therapy

Education

- MCQ booklet for undergraduate students

- Development of Centre for Pharmacodynamic studies to strengthen research and learning experiences to postgraduates

Research

- Upgradation of existing research facilities (in cardiovascular and neuropharmacology laboratories) in the Department of Pharmacology and Therapeutics
- Upgradation of animal house facilities

Physiology

- To develop an efficient Exercise laboratory
- To purchase a Body Composition Analyzer
- To upgrade existing equipment for the purpose of research.

Plastic Surgery

- Starting fellowship in Hand surgery
- Joint clinics to be started with Orthopedics and interventional radiologists for vascular malformations
- Start collaboration with other institutes (like Wadia, Tata Hospital) to let our students rotate there for exposure to different subspecialties like paediatric Plastic Surgery and Oncosurgery.

Preventive and Social Medicine

- Wi-Fi connectivity to the department
- Rural health training centres of the department to be connected through Telemedicine of KEM Hospital.
- Expansion of departmental website.
- Integrated Research with AYUSH

Psychiatry

- Substitution therapy for Methadone maintenance therapy on Opioid dependence
- Group for children of alcoholics
- Narcotics Anonymous
- Day care centre for long term of rehabilitation of 295

Transfusion Medicine

- Full automation in ELISA testing
- Computerization in Blood Bank
- To increase voluntary blood collection to 50,000 annually
- To increase the PG seats from 2 to 4 students per year.

Urology

- Setting up of patient data archiving system (operative and clinical).
- As a centre for training in urology recognized for fellowship by SIU.
- Publication of book on instrumentation.
- Cadaver Retrieval Workshop
- “Urinary Diversion” Workshop
- Indo-US collaboration for organ transplant.
- Projects : MUHS recognized courses for Urology OT Technician and Transplant Anesthesia

Committees, Societies, Services and Publications

1. 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. Sandhya Kamath, Dean, Seth GS Medical College & KEM Hospital
Dr. Shubhangi Parkar, Academic Dean

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

Sr. No.	Name of Academic Committee Members	Occupation & Designation
1.	Dr. Sucheta P. Dandekar	Professor & Head, Dept. of Biochemistry
2.	Dr. Pritha S. Bhuiyan	Professor & Head, Dept. of Anatomy
3.	Dr. Jayashree Gadkari	Professor & Head, Dept. of Physiology
4.	Dr. Amita Joshi	Professor, Dept. of Pathology
5.	Dr. Preeti Mehta	Professor & Head, Dept. of Microbiology
6.	Dr. Sandhya Kamat	Professor, Dept. of Pharmacology & Therapeutics
7.	Dr. Smita Divate	Associate Professor, Department of Pathology
8.	Dr. Amar Pazare	Professor & Head, Department of Medicine
9.	Dr. Nitin Karnik	Professor, Department of Medicine
10.	Dr. Varsha Kulkarni	Professor, Department of General Surgery
11.	Dr. Alka Gupta	Professor, Department of Obstetrics & Gynaecology
12.	Dr. Seema Bansode Gokhe	Professor, Department of PSM
13.	Dr. Mrudula Solanki	Associate Professor, Department of PSM
14.	Dr. Nilam Sathe	Asst. Professor, Department of ENT
15.	Dr. Ajita Nayak	Associate Professor, Department of Psychiatry
16.	Dr. Mohan Desai	Professor, Department of Orthopaedics
17.	Dr. Nalini Shah	Professor & Head, Department of Endocrinology
20.	Dr. DV Kulkarni	Associate Professor, Department of CVTS
21.	Dr. Sujata Patwardhan	Professor & Head, Department of Urology
22.	Dr. Nithya Gogtay	Associate Professor, Department of Clinical Pharmacology
23.	Dr. Bhavana Mhatre	Associate Professor, Department of PT
24.	Dr. Amita Athavale	Professor & Head, Department of Chest Medicine & EPRC
25.	Dr. Snehal Desai	Associate Professor, Department of OT

In the year 2013, 4 meetings of the Academic Committee were held. During these meetings

- The members deliberated on the issues related to the academic programmes and the necessary actions were taken.
- As per MUHS circular, 3 days workshop on Basic Life Support & Advanced Life Support in M.B.B.S. curriculum was decided to be incorporated during internship. Department of PSM was requested to coordinate the same with Department of Anaesthesia.
- Guidelines were formulated for students who wish to attend seminars/project work outside KEM.
- Disciplinary actions were recommended in some cases including absentism of students and interns.
- Support was sought for the forthcoming National Conference on Health professions Education (NCHPE-2013) and all the members agreed for the same.
- Discussions regarding acceptance criteria for the donations given towards instituting of prizes were held. It was decided to formulate the guidelines.
- Assistance was extended to Grievance Committee whenever matters were referred to the Academic committee to facilitate decisions. Enquiry committee was appointed to look into the complaints of resident and further action was recommended.

- Responsibility of conducting Research Methodology workshops for postgraduate students was given to the head of each department. It was decided to hold the workshops under the aegis of the Research Society.

A. Student's Grievance Committee:

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

Established: April 2010

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

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

B. Local Advisory Committee:

Established: March, 2010

The power and duties of the Local Advisory Committee is to-

- prepare the budget and financial statement of the college or institution;
- recommend to the management the creation for the teaching and other posts;
- determine the programme of instruction and Internal evaluation and to discuss the progress of studies in the college;
- make recommendations to the management for the improvement of the standard of teaching in the college or Institution;
- formulate proposals of new expenditure not provided for in the college budget;
- advise the principal regarding the intake capacity of various classes, preparation of time-tables, distribution of the available teaching work-load and such other matters relating to the internal management of the college and discipline of the college students as may be referred to it by the principle, from time to time;
- consider and make recommendations on the inspection report, if any;
- consider and make recommendations on the report of the local inquiry committee; if any
- prepare the annual report on the work done by committee for the year ending, on the thirtieth June and submit the same to the management, the management Council of the University and to the Director;
- perform such other duties and exercise such other powers as may be entrusted by the management and the University.

The current composition of the Local Advisory Committee Members is as follows:

Sr. No.	Name of Local Advisory Committee	Occupation & Designation
1.	Dr Sandhya Kamath	I/C Director (Medical Education and Major Hospitals)
2.	Dr. Milind Salve	Dy. Dean
3.	Dr. Amita Athavale	Professor & Head, Chest Medicine
4.	Dr. RR Shinde	Professor & Head, Dept. of Preventive & Social Medicine
5.	Dr. Yuvaraj Bhosale	Associate professor, Dept. of Anatomy
6.	Mr. Rajesh Kurhade	Head Clerk (GHC)
7.	Mr. Sharad More	Head Clerk (UG)

2. Animal Ethics Committee

Established in-1997. Registered with CPCSEA in 1999 (registration no: 60/1999/CPCSEA). The committee presently functions according to the guidelines laid down by the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA). Details of projects submitted to the Institutional Animal Ethics Committee in the year 2013 are as follows:

Total projects received: 15
 No. of projects reviewed: 15
 No. of projects approved: 15
 No. of projects rejected: Nil

The current composition of the Animal Ethics Committee is as follows:

Sr. No	Name of Members	Position on AEC	Occupation & Designation	Gender
1.	Dr. NN Rege	Chairperson	Professor. & Head, Pharmacology & Therapeutics, Seth GSMC & KEMH.	F
2.	Dr. SK Kamat	Member-Secretary	Professor, Pharmacology & Therapeutics, Seth GSMC & KEMH.	F
3.	Dr. SV Jalgaonkar	Member Co-ordinator	Assistant Professor, Pharmacology & Therapeutics, Seth GSMC & KEMH.	F
4.	Dr. PR Chaudhari	Main Nominee, CPCSEA	Scientific officer, Comparative Oncology & Experimental Nuclear Medicine, ACTREC, Tata Memorial Center.	M
5.	Dr. MM Gatne	Link Nominee, CPCSEA	Professor & Head, Pharmacology & Toxicology, Bombay Veterinary College.	F
6.	Dr. VK Shrivastava	Nominee, CPCSEA	Scientist outside the institute	M
7.	Mr. AV Shah	Nominee, CPCSEA	Non-Scientific Socially Aware Member	M
8.	Dr. AD Kshirsagar	Member	Sr. Veterinary Officer, Seth GSMC & KEMH.	M
9.	Dr. MJ Sathe	Member	Associate Professor, Microbiology, Seth GSMC & KEMH.	M

3. Department Development Fund

Following educational activities were undertaken:

- Pediatric –Surgery: Live Operative Workshop on 9th -11th January 2014.
- Bio- Chemistry: 9th Good Clinical Practice course on 2nd September to 4th September 2013 and 10th December 2013.
- Plastic-Surgery: Burns CME on 21st January 2013
- Anesthesia: CME on “Anesthesia Aspects for Solid Organ Transplant (Kidney, Liver, Pancreas, Intestine, Lung, Heart)” on 1st September 2013.
- Clinical Pharmacology: Workshop on Application of Pharmacokinetics & Population Pharmacokinetics” on 12th and 13th April 2013
- Anesthesia: CME on Updates in Neuroanesthesia and Critical Care on 26th January 2013.
- Plastic Surgery: Aesthetic CME series IV-Hair Restoration Workshop on 30th June 13.

Prizes given

- Dr. Nina Dahejia Prize: Interns of G. S. Medical College
- Dr. L. H. Hiranandani Prize: 3rd M.B.B.S Student (ENT)
- Dr. Geeta Rao Memorial Prize: MS (Surgery)
- Dr. V. H. Muzumdar: Final MBBS students (Ophthalmology), MD Obst & Gynecology.
- Dr. G. S. Ambardekar: MD (Anesthesia) & Diploma in Anesthesia

- Dr. V. G. Rao: PSM for 1st & 2nd highest the final MBBS Exam.
- Pandurangi Award to the best resident in Orthopedics

Funds

- Rs 22,000/- for foundation day
- Rs 248000/- for purchase of defibrillator for CVTS department
- Rs 5000/- for wifi in Dean's office

Work undertaken

- 9 meetings held
- Four ongoing projects
- Provided internet connection to several departments including superior establishment and nurses home

4. 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 science. Benefits arising out of results of the research undertaken by the trust would be extended to the poor and needy sector of the community, especially the slums dwellers and the working class in textile and other industries in Mumbai, catered by our public hospital as well as to the patient population at large.
- B) To promote medical education and to continually offer opportunities of upgrading knowledge, skills in the context of innovations, research and discovery in all fields of health.
- C) To provide medical relief and undertake development programmes in health services and upgrading health care facilities to various sectors of the society.

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

Recently, the trust underwent **financial assessment by an independent audit firm appointed by UNICEF**. The assessment was done as a detailed assessment inclusive of the organizational structure and the trust processes. It also assessed its financial risk in different area. **The overall risk of the trust was assessed as "Low".**

Managing Trustee: Dr. Sandhya Kamath, Dean (Seth GSMC & KEMH)

Secretary: Dr. NN Rege, **Treasurer:** Dr. AN Supe, **Trustees:** Dr. Sujata Patwardhan, Dr. Nitin Karnik, Dr Vishnu Kanhere, Mr. Kishorekumar Mhatre, **Advisors:** Dr. RD Bapat, Dr. MVL Kothari

Activities of the trust

Diamond Jubilee Society Trust was able to collect Rs. 3,93,77,124/- of donations in the year (January 2013- December 2013) inclusive of Foreign donations of Rs. 29,77,807/- and Government Research Grant of Rs. 1,02,56,940/-. The donations are being used for the purpose stated by the donors. In addition, the trust does following activities:

Patient care

To strengthen the services offered by the institute to patients

1. Donations worth Rs.30,56,500/- were used to purchase essential equipments, accessories and consumables for various departments, laboratories and intensive care units of the institutes as per their requirements.
2. Patient education programmes of Patient Education Cell were supported.
3. EMS facilities are being supported through the collections of Sanyog Ganesh.

4. Donation was accepted of Rs. 1,35,775/- from Dr. Mahendra Mirani, MD towards supporting education of economically challenged students of medical course.

Medical education

1. Financial support of Rs. 90,000/- was provided for 7 research projects undertaken by the postgraduate students & Rs.3,09,632/- was provided for 6 research projects undertaken by the Jr. faculty members.
2. The students who have excelled in their academic career were awarded prizes and scholarships (n=31) 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 following undergraduate students for their meritorious research work :
 - 1) Dr. Kshitij Jadhav from Department of Pharmacology & Therapeutics for his research on “Evaluation of ampicillin and ceftriaxone on ethanol consumption as compared to naltrexone in alcohol dependant rats”. This work was presented in 45th Annual Conference of Indian Pharmacological Society, IPSCON and international conference on Navigating Pharmacology towards safe and effective therapy , January 5-7th 2013, at Vanamati, Nagpur and won the prestigious G Achari prize.
 - b) Ms. Savni Satoskar, an intern, who was accepted under ‘Clinical Elective Programme for Visiting Medical Students at Yale University School of Medicine. She did her elective under Paediatric Haematology / Oncology.
 - c) Mr. Harshvardhan Sant, 3rd year medical student, for his research on “Evaluation of Cytochrome P450 2C19 (CYPC219) activity in normal, healthy, adult subjects in Gujratis and Marwadis (western India)”. He presented it at the 6th International Medical Students Conference –MEDICON 2013, from 11th - 14th April 2013 held at University College of Medical Sciences, Delhi.
 - d) Ms. Garima Dahiya, 3rd year medical student for her research entitled “To Check feasibility of fast track surgery in Surgical Gastroenterology Department.” She presented it at the 19th International Student Congress of (bio)Medical Sciences (ISCOMS), held at Groningen, the Netherlands, 5th -8th June 2012

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

- Support for renovation of Museum was received from Pirojsha Godrej Foundation (Rs. 50,000/-)
- Donation was accepted of Rs. 15,00,000/- from Dr. RV Dabholkar for the Department of Psychiatry towards a project on Yoga Therapy
- Undergraduate Certificate Course in Clinical Research conducted by the Department of Clinical Pharmacology under the aegis of MUHS
- ‘PHARMATECH-2013’ a National level workshop for the postgraduate students of Pharmacology organized by the Department of Pharmacology and Therapeutics.
- State level quiz in Surgery for postgraduate students organized by Department of Surgery.
- ‘Shidori’, the co-curricular programme for the undergraduate students
- Cultural events organized by the undergraduate students like *Advait* (Marathi play competition in December)

Donations were accepted for the following Faculty development programmes

1. 9th ‘GSMC FAIMER Regional Institute’ by the ME Unit
2. Basic Courses in Medical Education Technology (n=4) conducted by the GSMC – KEMH-MCI Regional Centre
3. Lecture series in ‘Research Methodology for the Clinicians & Resident Doctors’ conducted by the Department of Neonatology
4. “Neonatal ventilation workshop for the Clinicians & Resident Doctors” conducted by the Department of Neonatology

5. Good clinical practice Workshop to be conducted by Ethics Committee
6. The National Conference for “National Conference for Health Profession and Education (NCHPE-2013) organized by the ME Unit
7. Second Biennial Conference of Indian Motility and Functional Bowel Diseases Association (IFMDA) organized by Department of Gastroenterology.
8. Workshops conducted by the individual Departments:
 - a. 22nd ‘Functional Endoscopic Sinus Surgery Workshop’ by Departments of ENT and Anatomy
 - b. ‘Teachers’ Training Programme on Learning Disability’ conducted by Learning Disability Clinic of the Department of Pediatrics
 - c. International Surgical Workshop on ‘Laryngotracheal Stenosis Surgery’ conducted by the Department of ENT
 - d. A full day session, entitled as “An Interactive Session with Dr. Jatin Shah” by Department of ENT
 - e. “Dermatoscopy CME – A New look at the skin” and “Dermatology CME on Update in Clinical And Aesthetic” to be conducted by the Department of Dermatology
9. Support for utilizing cadaver facilities of the department of Anatomy during
 - a. ‘Reconstructive Surgery Workshop’ conducted by the Department of Anatomy and Tata Memorial Centre
 - b. Orthopaedic workshop conducted by Bombay Orthopaedic Society
 - c. ‘BOS Pelviacetabular Cadaveric Course’ conducted by the Department of Orthopaedics under the auspices of Bombay Orthopaedic Society
 - d. Arthroscopy Cadaveric workshop conducted by Bombay Orthopaedic Society
 - e. Cadaveric flap dissection course conducted by the Department of Anatomy and Tata Memorial Centre
 - f. 8th Cochlear Implant Update conducted by Dept of Anatomy.
 - g. Cadaveric Spine workshop conducted by the Department of Orthopaedics in collaboration of Anatomy and Bombay Orthopaedic Society

Medical Research

The Trust has received donations (Rs. 1,38,05,436/-) for research projects undertaken by various departments. In addition, it received funds from Government organizations towards research projects (Rs. 1,02,56,940/-).

Publication

Annual Report of Seth GS Medical College & KEM Hospital-2012 was published under the aegis of Diamond Jubilee Society Trust.

Donations were also accepted for publication of manuals/ abstract books and videos of courses, workshops and conferences conducted by the various departments.

Work environment

Diamond Jubilee Society Trust has contributed to upkeep of hospital surroundings by re-erecting the lawns in front of Seth GS Medical College and creating green islands at places where otherwise rubbish used to be collected. The trust also tries to collect donations to support following activities and their maintenance:

- a. Website of the institute to propagate the activities of the institute and facilitate communication and interaction with other medical professionals
- b. Financial support for appointment of personnel on specialized posts like web assistant for intranet
- c. Annual maintenance of indoor patient monitoring software in Registration OPD and MRO section
- d. Support extended towards renovation of the faculty rooms in the new UG/ PG Hostel for faculty members.
- e. Donation of one heavy duty scanner towards scanning of patients’ papers who are availing *Rajiv Gandhi Yojana*.

- f. Provision of computer stationary for GS Medical College Office
- g. Maintenance of front lawn and garden in the KEM campus.
- h. Printing of posters for Hospital Infection Control Committee
- i. Support for welfare activities of the institutional members (Women Development Committee)

5. Gosumec Alumni Association [GAA]

Hon. President: Dr. Sandhya Kamath

Hon. Vice President: Dr. AN Supe, Dr. Sharad Gogate

Hon. Secretaries: Dr. Gita Nataraj, Dr. Ram Prabhoo

Hon. Jt. Secretary: Dr. Manjula Sarkar, Dr. Janak Shah

Hon. Treasurer: Dr. N.N. Rege

Managing Committee members: Dr. M Natarajan, Dr. Sandhya Kamat, Dr. Aparna Deshpande, Dr. Lopa Mehta, Dr. V N Acharya, Dr. M.L Kothari, Dr. P D Munagekar, Dr. Ajay Tilwe, Dr. Vaibhav M. Dedhia, Dr. Sunil Puntambekar, Dr. Mohan Kembhavi, Dr. Taral Nagda, Dr. Ashish Phadnis

- Presently, the association has 4454 members. The period January 2013 to Dec 2013, saw an addition of 150 life members.
- General donation of Rs. 200000/- was given by Mrs Nalini Kantilal Dalal
- Donation of Rs. 100000/- was given by Dr. Kailash Pawar 1994 batch
- On Foundation Day, 22nd January 2013, a contributory Annual Dinner was organized with musical programme “Swar-Lata” by Suhas Mhetre in college lawns by Staff Society.

Student scholarships: S. Arshad, D. Jadhav, A. Jagtap and Roshan Shaikh were awarded Annual Scholarship of Rs. 8000/-each from Gosumec Alumni Association corpus fund for the year 2013-14.

Awards & Honors: The Dr R B Redkar Memorial awardees for the year who were felicitated on foundation day (22/1/13) included Dr. Prakash Kore (Administrative Medical Officer), Mr. K Jhangam and Mr. AS Gengage(Hospital Office Administrator) and Mr. SR More (College Office Administrator).

Activities: GAA donated Rs 15,000.00 towards printing & publication of GOSUMAG 2013, the UG magazine and sponsored Rs. 25000/- for Community based health camp with PSM department.

6. Hospital Infection Control Committee (HICC)

HICC met seven times in 2013. Dean (G & K) is the chairperson and Dr Gita Nataraj (Prof , Microbiology) is the convener. The other members include Dr A.R Pazare (Prof. and Head, Medicine), Dr A.K Gvalani (Prof. and Head, Surgery), Dr Preeti Mehta (Prof. and Head, Microbiology), Dr Ruchi Nanavati (Prof. and Head, Neonatology), Dr P.B. Bhosale (Prof. and Head, Orthopedics) , Dr Smita Diwate (Addl. Prof., Pathology), Dr N.M Maydeo (Professor, OBGY), Deputy Dean, Assistant Dean, Matron and representatives from nursing department, Head Clerk (GS), AE (Civil), AE (M & E) . With a view to improving the reach of infection control committee and implement its goals it was decided to include as members, (i) heads of all surgical disciplines and anaesthesia in a theatre sub-committee group, (ii) in-charges of intensive care units (iii) chest medicine for facilitating airborne infection control and (iv) identify nursing members exclusively for infection control monitoring. The routine activities include facilitating supply of essential consumables for hand hygiene, theatre disinfection and biomedical waste management, monitoring infection control practices and biomedical waste management with a team consisting of AMO, Asst. Prof (Microbiology), sister in charge as designated and identifying areas for improvement. The microbiology department provided data on bugs and drugs. The committee members participated in healthcare worker training programmes conducted in the months of Feb, March and May 2013. Airborne infection control related facility check was conducted with the designated infection control consultant of MCGM and areas for improvement identified and submitted to engineers. HICC with Microbiology department coordinated the organization and participated in the short course workshop on “building design and engineering approaches to airborne infection control”, in September 2013. This workshop was organized by MCGM in collaboration with CDC (USA) and Harvard School of Public Health.

7. Institutional Ethics Committees- I and II

Established: 1987, Current SOPs Version 4, 1st September 2013

Received the SIDCER re-recognition award for compliance to international standards in November 2012

Both committees presently functions according to the requirements laid down in Schedule Y and is guided by the ICH GCP guidelines for Good Clinical Practice, ethical principles set forth in the Declaration of Helsinki and the Ethical Guidelines for Biomedical Research on Human Subjects laid down by the Indian Council of Medical Research.

Activities of the IEC-I in the year 2013

A total of fifty meetings (12 full board meetings, 1 SOP training meeting and 37 SAE Subcommittee meetings) were held in the year 2013. A total of 35 pharmaceutical sponsored projects, 10 government sponsored projects, 49 other academic projects and 52 thesis / dissertations were submitted to the IEC-I for initial review during the year.

None of the Pharmaceutical 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 2013

Year 2013	Projects reviewed	Under Process	Approved	Rejected	Terminated
Pharmaceutical sponsored projects	35	13	10	1	12
GOVT sponsored projects	10	4	6	-	-
Thesis	52	8	42	1	1
Other Academic	49	30	16	3	-
Total Reviewed Projects	146	55	74	5	13

In regards to sponsored studies:

	Year 2013	PHARMA	GOVT
I	Total no. of projects reviewed by IEC-I	35	10
II	Total ongoing projects	3	6
III	Type of study		
	Phase I	2	-
	Phase II	4	-
	Phase III	20	1
	Phase III B	1	-
	Phase IV	4	-
	NA	1	9
	Pilot	1	-
	Device	1	-
	Device Phase II	1	-

	Serious Adverse Event Reports		PHARMA	GOVT	OA	Thesis
1	Total no. of SAE at our site	Initial report	10	-	-	-
		Follow up report	19	-	-	-
2	Total no. of death		3	-	-	-

3	Our site late reporting (after 7th day)			-	-
4	Responses from IEC regarding SAE	Query letters sent	54	-	-
		Noted letters sent	213	-	-
5	SUSAR reviewed		5356	-	-
6	AE reports reviewed		4		

	Departments	PHARMA	GOVT	Thesis	Other Academic
	Anatomy	-	-	-	1
	Anaesthesia	-	-	4	4
	Biochemistry	-	-	1	-
	Cardiology	3	-	-	-
	Clinical Pharmacology	3	1	-	1
	Chest Medicine	-	-	1	-
	Endocrinology	15	-	-	-
	ENT	-	-	-	-
	Gastroenterology	1	2	1	3
	General Surgery	2	-	4	1
	Infection diseases	-	-	-	1
	Hematology	1	-	-	1
	Medicine	3	2	4	1
	Neurology	-	-	-	2
	Neonatology	-	1	-	3
	Nephrology	1	-	1	2
	Obstetrics and Gynecology	1	3	7	2
	Orthopedics	1	-	3	-
	Ophthalmology	1	-	1	-
	OT	-	-	6	-
	Pathology	-	-	2	-
	Paediatrics	3	-	6	1
	Paediatrics Surgery	-	-	-	1
	Psychiatry	-	-	-	4
	PSM	-		2	12
	Pharmacology & Therapeutics	-	-	-	2
	Physiology	-	-	1	4
	PT	-	-	5	-
	Radiology	-	-	2	-
	Transfusion Medicine	-	1	1	-
	Urology	-	-	-	3
	TOTAL Reviewed	35	10	52	49

Status of the ongoing sponsored projects of IEC-I as on 31st December 2013

1 project submitted in 1999 is ongoing.

1 project submitted in the Year 2001 is ongoing.

3 out of 59 projects submitted in the Year 2004 are ongoing

1 out of 52 projects submitted in the Year 2005 are ongoing

2 out of 69 projects submitted in the Year 2007 are ongoing

3 out of 45 projects submitted in the Year 2008 are ongoing

6 out of 47 projects submitted in the Year 2009 are ongoing

9 out of 51 projects submitted in the Year 2010 are ongoing

23 out of 51 projects submitted in the Year 2011 are ongoing

16 out of 38 projects submitted in the Year 2012 are ongoing

Status of the ongoing academic projects of IEC-I as on 31st December 2013

15 out of 15 thesis and 5 out of 5 other academic projects submitted in the year 2012 are ongoing.

Constitution of the IEC-I as on 31st December 2013

Member list of Institutional Ethics Committee – I (IEC-I)

	Name	Position on IEC I	Designation & Affiliation	Qualification	Gender
1	Dr. Jigeeshu V. Divatia	Chairperson (External)	Professor and Head, Anesthesiology, Tata Memorial Hospital, Mumbai.	M.D.	M
2	Dr. Vikram Londhey	Co-Chairperson (External)	Associate Professor (Medicine & Rheumatology Clinic) TNMC & BYL Nair Charitable Hospital, Mumbai.	M.D.	M
3	Dr. Shruti Bhide	Member Secretary	Associate Professor (Pharmacology & Therapeutics) GSMC & KEMH	M.D.	F
4	Mrs. Sadhana Bhatkhande	Alternate Member (Social Scientist)	Medical Social Worker (Psychiatry) GSMC & KEMH	M.A. (in social work), Masters in counseling and Psychotherapy.	F
5	Dr. Smrati Bajpai	Member	Assistant Professor (Medicine) GSMC & KEMH	M.D., DNB.	F
6	Dr. Anahita Chauhan	Member	Professor (Additional) (Obstetrics & Gynecology) GSMC & KEMH	M.D.	F

7	Mrs. Manisha NaikDalal	External Layperson	-	M.Com	F
8	Dr. Bibhas DasGupta	Member	Professor (Orthopedics)GSMC & KEMH	M.S.	M
9	Dr. Aparna Deshpande	Member	Professor, (Surgery) GSMC & KEMH	M.S, D.N.B.E F.I.A.G.E.S	F
10	Dr. Sunil Karande	Member	Professor (Paediatrics)GSMC & KEMH	M.D., DCH, DIT, FIAP	M
11	Dr. Arpit Sharma	Member	Assistant Professor (ENT) GSMC & KEMH	M.S., DORL, D.N.B	M
12	Dr. Subodh Sirur	(External Legal Expert)	Consultant, Dermatology & Venerology, Mahatma Gandhi Memorial Hospital, Mumbai	MBBS, DVD, LLM	M
13	Dr. Urmila Thatte	Member	Professor & Head (Clinical Pharmacology) GSMC & KEMH	M.D., DNB., Ph.D.	F
14	Dr. Raakhi Tripathi	Member	Associate Professor (Pharmacology & Therapeutics) GSMC & KEMH	M.D.	F
15	Mrs. Chhaya Verma	Member	Professor (physiotherapy) GSMC & KEMH	MPTh	F
Alternate Members of IEC-I					
1	Dr. PradnyaTalawdekar	Alternate Member (External legal Expert)	Project Manager, Ojus Medical Institute, The Tulip Star, Juhu Tara Road Juhu, Mumbai.	B.A.M.S., L.L.M.	F
2	Dr. SadhanaMahashabde.	Alternate Member (External legal Expert)	Advocate High Court	B.Sc., LLB, LLM, PhD.	F
3	Mr. YatinKhocharé	Alternate Member (External legal Expert)	Advocate, Bar Council of Maharashtra & Goa. (Practice areas: Drugs & Cosmetics, healthcare, food laws & others)	B.Sc., L.L.B., Dip in Medical Jurisprudence and forensic science.	M
4	Mrs. Sharmila Kher	Alternate Member (External Layperson)	-	M. SC. Part 1 (Biotechnical science), Dip. In Journalism, PGDHA	F
5	Mrs. Sameena Maldar	Alternate Member (External Layperson)	-	S.Y.B.A.	F
6	Ms. Nivedita Chalill	Alternate Member (External Social Scientist)		M.A., Ph.D., M.Phill in social work, B.Sc (Occupational Therapy), PG Dip in Guidance	F

				& Counseling.	
7.	Dr. Helen Joseph	Alternate Member (External Social Scientist)		M.S.W., M. Phil., Ph.D.	F

Activities of the IEC-II in the year 2013

Year 2011	Total reviewed projects	Under Process	Approved	Rejected	Terminated
PHARMA	6	6	-	-	-
GOVT	3	1	2	-	-
Thesis	125	24	96	1	4
Other Academic	99	58	39	2	-
Total	233	89	137	3	4

Status of the ongoing academic projects as on 31st December 2012

- 4 Thesis projects submitted in the Year 2007 are ongoing.
- 11 out of 233 Thesis and 4 out of 119 other academic projects submitted in the Year 2008 are ongoing.
- 4 out of 209 thesis and 56 out of 96 other academic projects submitted in the Year 2009 are ongoing.
- 39 out of 173 thesis and 84 out of 119 other academic projects submitted in the year 2010 are ongoing.
- 106 out of 214 thesis and 70 out of 86 other academic projects submitted in the year 2011 are ongoing.
- 221 out of 234 thesis and 78 out of 87 other academic projects submitted in the year 2012 are ongoing.

	Year 2013		PHARMA	GOVT
I	Total no. of projects reviewed		8	5
II	Total ongoing projects		-	2
III	Type of study	Phase I		
		Phase II	1	-
		Phase III	4	-
		Phase IV	-	-
		NA	3	5

	<i>Departments</i>	PHARMA	GOVT	Thesis	Other Academic
	Anatomy	-	-	1	-
	Anesthesia	-	-	19	2
	Biochemistry	-	-	2	1
	Cardiology	1	-	-	3
	Clinical Pharmacology	-	2	2	6
	Chest Medicine	-	1	3	1
	Dermatology	-	-	1	1
	Endocrinology	-	1	1	4
	ENT	-	-	7	-
	Forensic Medicine	-	-	-	1
	Gastroenterology	3	-	-	5
	General Surgery	-	-	7	-
	Infection diseases	-	-	-	1
	Medicine	-	-	13	3
	Microbiology	-	-	4	7
	Neurology	1	-	-	1
	Neurosurgery	-	-	-	2
	Nephrology	-	-	2	-
	Neonatology	-	-	-	6
	Obstetrics and Gynecology	1	1	11	4
	Orthopedics	-	-	9	4
	Ophthalmology	1	-	1	-
	OT	-	-	1	2
	Pathology	-	-	4	1
	Pediatrics	1	-	3	3
	Pediatric Surgery	-	-	-	1
	Plastic Surgery	-	-	-	1
	Psychiatry	-	-	4	5
	PSM	-	-	16	13
	Pharmacology & Therapeutics	-	-	3	9
	Physiology	-	-	2	5
	PT	-	-	5	3
	Radiology	-	-	1	1
	Transfusion Medicine	-	-	1	-
	Urology	-	-	-	4
	Total Reviewed	8	5	125	99

Constitution of IEC-II

	Name	Position on IEC II	Designation & Affiliation	Qualification	Gender
1	Dr. Kamal Hazari.	Chairperson External	(Former Sr. Deputy Director - NIRRH – ICMR (Mumbai)	M.D,D.G.O, DFP	F
2	Dr. Kaizad Damania.	Co -Chairperson (External Scientific Expert)	Professor (Obstetrics & Gynecology) N. Wadia Maternity Hospital	M.D.,DNB., F.C.P.S.,D.G.O., D.F.P.	M
3	Dr. Sharmila Jalgaonkar	Member Secretary	Assistant Professor (Pharmacology &Therapeutics) GSMC & KEMH	M.D.	F
4	Mr. Hemant Nandgaonkar	Joint Member Secretary	Assistant Professor (Occupational Therapy) GSMC & KEMH	M.Sc.	M
5	Dr. ShilpaAdarkar	Member	Assistant Professor,(Psychiatry) GSMC & KEMH	M.D.	F
6	Dr. Mohan Desai	Member	Professor(Orthopedics) GSMC & KEMH	M.S, MCPS	M
7	Mrs. ManjuManda	Member(External Layperson)	Section officer Railways	B.Sc. Pharmacy	F
8	Dr. Milind Nadkar	Member	Professor, (Medicine) GSMC & KEMH	M.D., FICP	M
9	Dr. SwetaSalgaonkar	Member	Professor (Anesthesiology) GSMC & KEMH	M.D.	F
10	Dr. PadmajaSamant	Member	Professor, (Obstetrics & Gynaecology) GSMC & KEMH	Professor, (Obstetrics & Gynaecology) GSMC & KEMH	F
11	Dr. Yashashri Shetty	Member	Associate Professor (Pharmacology & Therapeutics) GSMC & KEMH	M.D., DBM.	F
12	Dr. DN Shenvi	Member	Professor(Physiology) GSMC & KEMH	M.D.	F
13	Mrs. Sushma Singh.	Member (External legal Expert)	-	B. Pharm. LL.B. LL.M Certificate in Alternative Disputes Resolution (ADR)	F
14	Dr. Pradeep Vaideeswar	Member	Associate Professor Pathology	M.D.	M
15	Dr. NileshThakre.	Member (External Social Scientist)	Assistant Professor, Psychology, SNDT Women's University, Mumbai.	Ph.D. Psychology, M.A (Industrial & Business Psychology), M.I.R.P.M., M.A.(Clinical	M

				Psychology), N.E.T in Psychology, PGDIP., Dip TD.	
Alternate Members of IEC-I & II					
1	Dr. Pradnya Talawdekar	Alternate Member (External legal Expert)	Project Manager, Ojus Medical Institute, The Tulip Star, Juhu Tara Road Juhu, Mumbai.	B.A.M.S., L.L.M.	F
2	Dr. Sadhana Mahashabde.	Alternate Member (External legal Expert)	Advocate High Court	B.Sc., LLB, LLM, PhD.	F
3	Mr. Yatin Khochare	Alternate Member (External legal Expert)	Advocate, Bar Council of Maharashtra & Goa. (Practice areas: Drugs & Cosmetics, healthcare, food laws & others)	B.Sc., L.L.B., Dip in Medical Jurisprudence and forensic science.	M
4	Mrs. Sharmila Kher	Alternate Member (External Layperson)	-	M. SC. Part 1 (Biotechnical science), Dip. In Journalism, PGDHA	F
5	Mrs. Sameena Maldar.	Alternate Member (External Layperson)	-	S.Y.B.A.	F
6	Ms. Nivedita Chalil	Alternate Member (External Social Scientist)		M.A., Ph.D., M.Phil in social work, B.Sc (Occupational Therapy), PG Dip in Guidance & Counseling.	F
7.	Dr. Helen Joseph	Alternate Member (External Social Scientist)		M.S.W., M. Phil., Ph.D.	F

IEC-I & II Office bearers

IEC-I	IEC-II
Mrs. Janhavi Katkar, Administrative Manager (nayanvkatkar@gmail.com) Direct no.: 24122188	
Mr. Shyam Tawde, Deputy Manager	Ms. Deepika Paradkar, Deputy Manager
Ms. Manali Vengurlekar, Senior Executive Assistant	Ms. Shweta Surve, Senior Executive Assistant
Ms. Prajakta Auti, Executive Assistant, SAE Subcommittee	
Mr. Mangesh Khochade, Office Attendant	Mr. Naresh Bhawale, Office Assistant
Contact details: Email: iec-1@kem.edu, iec-2@kem.edu, Direct no.: 24122188	

Significant achievements and activities of the IEC-I & II in the year 2013

1. Training programs organized by IEC

Organized a one day workshop for IEC members and staff on 11th October 2013 by the IEC at MET Cell, Seth GSMC & KEMH.

Organized half day Workshop on “Good Clinical Practice” for IEC members on 6th March 2013 at Seminar Hall of Dept. of Clinical Pharmacology of Seth G. S. Medical College and K. E. M. Hospital, Mumbai, Maharashtra.

2. Training programs attended by CARE members and staff for updating GCP training Participation of members:

a) 2nd FERC National conference on Bioethics and Clinical Research Regulations Organized by FERC at PSG Institute of Medical Sciences and Research, Coimbatore attended by Dr. UM Thatte, Dr. Kamal Hazari, Dr. Raakhi Tripathi, Dr. Shruti Bhide, Dr. Sharmila Jalgaonkar, Dr. YC Shetty, Dr. S. Salgaonkar, and Mrs. Janhavi Katkar.

b) All members of IEC-I & II attended a one day workshop organized by IEC for its members and staff on 11th October 2013 at MET Cell, Seth GSMC & KEMH.

3 a) *Presented papers related to research ethics at conferences:*

- Assessment of protocol deviations submitted to Institutional Ethics Committee (IEC) of tertiary care hospital Dr SV Jalgaonkar*, Dr SS Bhide*, Dr RK Tripathi*, Dr YC Shetty*, Dr PA Marathe*, Mrs. Janhavi Katkar, Dr. UM Thatte Presented at 2nd National Conference of FERC 2013 held at PSG Coimbatore

Presented posters related to research ethics at conferences:

- Impact of recent regulatory guidelines on the functioning of Ethics Committee at a tertiary care Institute in Mumbai. Dr. SS Bhide, Dr. SV Jalgaonkar, Dr. RK Tripathi, Dr. YC Shetty, Dr. PA Marathe, Mrs. Janhavi Katkar, Dr. UM Thatte Presented at 2nd National Conference of FERC 2013 held at PSG Coimbatore.
- 2. "Informed consent for Anaesthesia in clinical practice" - poster Presented at 2nd National Conference of FERC 2013 held at PSG Coimbatore, Dr. Sweta Salgaonkar.
- 3. "Queries raised by the Institutional Ethics Committee (IEC) of a tertiary care hospital in Mumbai – a ten year analyses" poster Presented at 2nd National Conference of FERC 2013 held at PSG Coimbatore, by Dr. YC Shetty, Dr. SK Kamat, Dr. PA Marathe, Dr. SB Raut.

8. Journal of Postgraduate Medicine (JPGM)

A total of 1060 articles were submitted in the year. Reviewers took a median of 11 days to complete reviewing (0, 42). The Editorial team took a median of 7 days for decision making. Time from first submission to acceptance was 109 days (2, 322). Time taken from acceptance to publication was 75 days (5, 231). The journal during the year reached its highest ever impact factor of 1.568.

9. Medical Education Unit

Activities of Medical Education Unit January 2013 –2014

The Medical Education Unit conducted Basic Courses in Medical Education Technology at GSMC-KEMH-MCI Regional Centre. The Medical Education Unit continued a fellowship programme named ‘GSMC-FAIMER Regional Institute’ in collaboration with Foundation for Advancement in Medical Education and Research (FAIMER) ECFMG, Philadelphia USA to create educational leaders and bring about curricular change.

A. GSMC-KEMH MCI REGIONAL CENTRE

The Eleventh, Twelfth, Thirteenth and Fourteenth Basic course on ‘Medical Education Technology’ were conducted by the GSMC-MCI Regional Centre as a part of faculty development programmes in March 2013 (20th to 22nd), May 2013 (2nd to 4th), December 2013 (2nd to 4th) and December 2013 (18th to 20th) respectively.

- **11th MCI Basic Course:**

The “Eleventh MCI Basic Course in Medical Education Technology” was conducted by the GSMC-KEMH-MCI Regional Centre as a part of Faculty development programme. The participants were from the medical institutions in Maharashtra. A total of 37 participants registered. Of these, 22 were from Mumbai and 7 were from Aurangabad and 8 were from Kalwa Thane; the remaining 9 were from the parent institute (Seth GS Medical College and KEM Hospital). The designations were as follows: Professor & Head – 5, Professor – 5, Associate Professor - 10 and Assistant Professor – 17; fourteen were from preclinical disciplines, three from paraclinical and eighteen were from clinical disciplines.

- **12th MCI Basic Course:**

The “Twelfth MCI Basic Course in Medical Education Technology” was conducted by the GSMC-KEMH-MCI Regional Centre as a part of Faculty Development programme. The participants were from the medical institutions in Maharashtra and Gujarat. A total of 35 participants registered. Of these, 21 were from Mumbai and 11 were from Kalwa, Thane, 3 were from Valsad, Gujarat and the remaining 11 were from the parent institute (Seth GS Medical College and KEM Hospital). The designations were as follows: Professor & Head – 6, Professor – 2, Associate Professor - 7 and Assistant Professor – 20; sixteen were from preclinical disciplines, eight from paraclinical and ten were from clinical disciplines.

- **13th MCI Basic Course:**

The “Thirteenth MCI Basic Course in Medical Education Technology” was conducted by the GSMC- KEMH-MCI Regional Centre as a part of Faculty development programme. The participants were from the medical institutions in Maharashtra and Gujarat. A total of 43 participants registered. Of these, 39 were from Mumbai, 3 were from Valsad Gujarat, 1 was from Aurangabad and the remaining 11 were from the parent institute (Seth GS Medical College and KEM Hospital). The designations were as follows: Professor & Head – 5, Professor – 3, Professor (Additional) – 2, Associate Professor - 7 and Assistant Professor – 26; eight were from preclinical disciplines, ten from paraclinical and sixteen were from clinical disciplines.

- **14th MCI Basic Course**

The “Fourteen MCI Basic Course in Medical Education Technology” was conducted by the GSMC- KEMH-MCI Regional Centre as a part of Faculty development programme. The participants were from the medical institutions in Maharashtra and Gujarat. A total of 40 participants registered. Of these, 35 were from Mumbai, 5 were from Valsad Gujarat and the remaining 11 were from the parent institute (Seth GS Medical College and KEM Hospital). The designations were as follows: Professor & Head – 4, Professor – 6, Professor (Additional) – 1, Associate Professor - 10 and Assistant Professor – 19; ten were from preclinical disciplines, eleven from paraclinical and twenty were from clinical disciplines.

Courses conducted at the institutions affiliated to the Regional Centre

GSMC-KEMH MCI- Regional Centre has 14 colleges affiliated to it: 10 from Mumbai and Navi Mumbai, 2 colleges from Aurangabad, 1 college from Dhule and 1 college from Valsad. This year 2 more institutions have been affiliated to the Regional Centre: 1. ESI Post Graduate instituted Medical Science & Research Mahatma Gandhi Memorial Hospital Parel mumbai and 2.- ESI-PGIMSR,ESI Hospital,Andheri The faculty from these institutions have attended the MCI Basic Course in Medical Education Technology.

i. MCI Basic Course in Medical Education Technology conducted by the Regional Centre:

GSMC-KEMH MCI- Regional Centre organized and conducted MCI Basic Course in Medical Education Technology at Mahatma Gandhi Mission's Medical College, Aurangabad from 16th April 2013 to 18th April 2013. Dr. Nirmala Rege, Dr. Tejal Patel, Dr. Sunil Kuyare, Dr. Munira Hirkani, & Dr. Sucheta Dandekar conducted sessions. Dr. Nirmala Rege, Professor & Head, Dept. of Pharmacology, Seth G S Medical College, Mumbai also served as the MCI observer.

ii. Programme Details of Medical Education Unit Faculty who went as observers to Medical Colleges under GSMC-KEMH MCI Regional Centre

Sr. No.	Name of Institute	Duration	Observer
1	Padmashree Dr. D Y Patil Medical College Hospital & research centre Nerul, Navi Mumbai.	16 th Jan 2013 to 18 th Jan 2013	Dr. K Shyamkishore Professor, Dept. of Anatomy Seth G S Medical College, Mumbai
2	Terna Medical College and Hopital	13 th March 2013 to 15 th March 2013	Dr. Gita Nataraj Professor, Dept. of Microbiology Seth G S Medical College, Mumbai
3	Government Medical College, Aurangabad	16 th April 2013 to 18 th April 2013	Dr. Sucheta Dandekar Professor & Head, Dept. of Biochemistry Seth G S Medical College, Mumbai
4	Mahatma Gandhi Mission's Medical College & Hospital, Kamothe, Navi Mumbai	25 th April 2013 to 27 th April 2013	Dr. Ajita Nayak Professor, Dept. of Psychiatry Seth G S Medical College, Mumbai
5	Government Medical College, Aurangabad	21 st Oct 2013 to 23 rd Oct 2013	Dr. Uma Shinde Professor, Dept. of Biochemistry Seth G S Medical College, Mumbai
6	Mahatma Gandhi Mission's Medical College & Hospital, Kamothe, Navi Mumbai	23 rd Oct 2013 to 25 th Oct 2013	Dr. K Shyamkishore Professor, Dept. of Anatomy Seth G S Medical College, Mumbai

C. GSMC FAIMER REGIONAL INSTITUTE-

The Ninth GSMC FAIMER Regional Institute programme was conducted at Seth G S Medical College & KEMH, Mumbai from 3rd June to 12th June 2013. A total of sixteen fellows from all over India and Middle East countries participated in the programme. The FAIMER faculty namely Dr. Janet Grant, Dr. Ralf Grave inaugurated the programme. The programme module consisted of different sessions on Group Dynamics (Dr. Sucheta Dandekar, Dr. Mrunal Ketkar, Dr. Yuvaraj Bhosale), Change Management (Dr. Janet Grant, Dr. Ralf Graves, Dr. Chetna Desai), Conflict Management (Dr. Shubhangi parkar, Dr. Yuvaraj Bhosale), Good teaching practices-Student Assessment (Dr. Payal Bansal, Dr. Preeti Mehta, Dr. Mrunal Ketkar) conducted by national and

international faculty of GSMC FAIMER Regional Institute. The sessions on Distance Learning (Dr. Bipin Patra , Dr. Janet Grant , Dr. Vishalakshi Viswanath), Innovations in assessment (Dr. Ashwini Karve , Dr. Avinash Supe), Microteaching sessions (Dr. Nirmala Rege, Dr. Smita singh) and Qualitative Research (Dr. Nirmala Rege , Dr. Munira Hirkani) were also very well appreciated. There was an interactive session of 2012 and 2013 batches along with the valedictory programme of 2011 batch. Communication skills workshop was conducted by Dr. Anshu Gupta & Dr. Sucheta Dandekar & Workshop on Leadership skills was conducted by Dr Janet Grant for 2011 batch. Several members of the MET cell delivered guest lectures and went as observers to various institutes.

C. MCI VISION 2015:

Various ME unit members were involved as a resource person at MCI for the UG and PG curriculum & Faculty at National level for implementing VISION 2015 – Dr. Avinash Supe, Dr. Nirmala Rege, Dr. Pritha Bhuiyan, Dr. Preeti Mehta, Dr Sucheta Dandekar.

D. NATIONAL CONFERENCE IN HEALTH PROFESSIONS EDUCATION (NCHPE-2013)

This year, Medical Education Unit of Seth GS Medical College & KEM Hospital, Mumbai hosted the National Conference in Health Professions Education (NCHPE) from September 26th to 28th, 2013 in partnership with Maharashtra University of Health Sciences (MUHS) and Foundation for Advancement of International Medical Education and Research (FAIMER), Philadelphia, USA. The theme of the conference was ‘Progress through Partnership.’

The conference was preceded by 13 half- a –day preconference workshops, all with a common objective of familiarizing the participants with skills required for developing and/or sustaining partnership. Nearly 250 registrations were received for these workshops. During the inauguration of the conference, “INDIA FAIMER Directory” was released and the website of Indian Academy for Health Professions Education (IAHPE) was launched. Through keynote addresses and panel discussions various facets of partnership at the level of institution, across the professions, across South East Asia Region and around the globe were unfolded by the reputed leaders in educational field from India and abroad. Scenario planning was used as the tool subsequently, to involve delegates in mapping out the future direction/s for IAHPE. The interactions during these sessions provided an immediate action plan to IAHPE. The conference was a grand success.

10. ORACON- Congress of Orations

All orations were held at the Jivraj Mehta Lecture Theater, except the Dr PC Bharucha Oration

21st January 2013

- Dr. U.K. Sheth Oration delivered by Dr. Arun Bhatt, on “Clinical Research in Crisis: Dial CR for credibility”
- Dr. Sindhu R Pandit Oration delivered by Dr. Rupin Shah on “Unraveling Mysteries of Erectile Dysfunction”

24th April 2013

- Dr. T.O. Shah Oration delivered by Dr. Ashok Mehta, on “Values in Health Care”
Chairperson: Dr. J.P. Dabholkar
- Dr. M. D Motashaw Oration delivered by Dr. Chirag R. Parikh on “Developing biomarkers for clinical use: “ Don’t get lost in Translation...”Chairpersons: Dr. Vidya Acharya, Dr. Alan Almeida

27th August 2013

- Dr. Ivan Pinto Oration delivered by Dr. Mathew Samuel on “Interventional Cardiology 21st Century - My Vision My Dream”. Chairperson: Padmashree Dr. Sushil Munsli, Dr. Hema Kulkarni
- Dr. V. N. Bagadia Oration delivered by Dr. B N Gangadhar on “Mental Health & Yoga”.
Chairpersons: Dr. J. S. Apte, Dr. S. V. Bagadia

11th December 2013

- Dr. G. M. Kurulkar Oration delivered by Dr. Manu Kothari on “The Importance of Being Clinical in Anatomy”.. Chairpersons: Dr Indurkar, Dr. M.N.Mahendrakar

- Dr. A.C. Duarte Monteiro Oration delivered by Dr. Sabyasachi Sircar on “Problem – Seeking Learning: Examples from Cardiovascular Physiology”. Chairpersons: Dr. R.S. Inamdar, Dr. M. Y. Nadkar
- Dr. P.C. Bharucha Oration delivered by Dr. Vineeta Singh on “Neuro Criticare in Traumatic Brain Injury”.

11. Research Society

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

Hon. President: Dr. Sandhya Kamath

Hon. Vice President: Dr. Shubhangi R. Parkar

Hon. General Secretaries: Dr. N.Sawant, Dr. M. G. Karmarkar

Hon. Treasurer: Dr. Pradeep Vaideeswar

Executive Committee members: Dr. A.Gupta, Dr. Preeti Mehta, Dr. Amita Joshi, Dr. Chetan

Kantharia, Dr. Jayashree Gadkari, Dr. Manjula Sarkar, Mrs, Zarine Ferzandi, Dr. S. Ravat.

Research grants: The following 4 research projects selected for funding grants of Rs.50000/-on the basis of merit.

Sr.N	Department	Title of Project
2013-14 First Set		
1	Dr. Nithya Gogtay Prof(Addl), Clinical Pharmacology	To evaluate the single dose & steady state pharmacokinetics of 15mg primaquine in patients moderate hepatic dysfunction in comparison with normal healthy volunteers.
2	Dr. Anita Agrawal Asso. Prof., Physiology	New insights in Respiratory Physiology: A comparative study of mechanical lung function measurements in subjects including smokers and non-smokers.
3	Dr. Tejal Patel Asso Prof Pharmacology	Comparative evaluation of anti- platelet effect of Lycopene with aspirin and the effect of their combination on platelet aggregation: an in vitro study.
4	Dr. Sujata Patwardhan Prof. Urology	To study bladder functions in all patients undergoing turp (for both absolute or relative indications) by urodynamic study

Following 4 research projects received for funding grants and sending for expert review.

2013-14 second Set		
1	Dr. Sweta Salgaonkar Professor, Dept of Anesthesiology	Comparative study of EzPAP Vs Incentive spirometry in recovery of pulmonary function following general anesthesia
2	Mrs. M P Jiandani Asso. Prof, Physiotherapy	Effect of inspiratory muscle training on exercise capacity, quality of life and FEV1 in COPD patients.
3	Dr. Mohan Karmarkar Prof, Microbiology	Characterization of virulence factors in B-hemolytic streptococcal isolates from pyoderma & pharyngitis patients through multiplex PCR.
4	Dr. Madhav Sathe, Addl Prof, Microbiology	Newer approaches to tackle antibiotic resistance in enterococci in-vitro

List of the ongoing projects & Research Society has received donations for these projects under taken by various departments are as follows:

Sr. No	Department	Title of Project	Sponsors Name
1	Cardiology Dr. P. G. Kerkar Prof. & Head	Seraphin study:	Actelion Pharmaceutical
		Protocol H7T-MC-TABY(B)	Quintiles Research (I) Pvt. Ltd
		Ivabradine Study	Clininvent Research Pvt.ltd.
		Save Study	George Institute For global Health
		TAO Study	Sanofi-synthelabo I Ltd
		CHF Study: Novartis trial	Novartis Healthcare Pvt, Ltd
		EPICOR-Asia Study	Max Neeman Med. International Ltd
		AF Registry	HDFC Bank Ltd (Sciformix Technologies PL)
2	Neurology Dr. S.H.Ravat Prof. & Head	Brivaracetan Study	PPD Pharma Develop. India
		Biogen PRA Study	PRA International
		UCB PRA Study	PRA (UK) Ltd
3	Psychiatry Dr. Ajita Nayak Prof. & Head	Protocol CN162010	Bristol Myers Squibb I P.Ltd

12. Staff Society

- Executive Committee effective August 2013.
 - President Sandhya Kamath
 - Vice President Amita Joshi
 - Hon. Secretary Mridula Solanki
 - Hon.Jt. Secretary Aparna Deshpande
 - Editor JPGM Nithya Gogtay
 - Treasurer Ameet Fadia
- Executive Committee Members: Rashmi Patil, Surekha Prabhu, Tejal Patel, Siddharth Deshpande, Harish Pathak, Kranti Kadam, Saroj Sahadev, Deepa Kane, Neelam Redkar, Atul Dongre, Tukaram Jamale, Hetal Marfatia, Surendar Bava, Meena Satia, Jaimala Shetye
- Total Monthly Scientific Meetings: 6
- PG paper/poster presentation: 1. Held on 20th February 2013. Dr. Rajkumar G.B, Pradeep Dalvi, Manjula Sarkar Title: “Comparison of Central Venous Cannulation, USG guided, versus conventional, in paediatric patients posted for cardiac surgery.”
- Staff Paper Presentation Meetings: 1. Held on 19th July 2013. Best Paper Award: First - Dr. Tukaram Jamale- Asst .Prof.- Nephrology, Topic:- “Randomized Controlled Trial of Earlier- Versus Usual-Start Dialysis in Patients With Community-Acquired Acute Kidney Injury”
Second - Dr. KD Khushale – Addl. Prof. Anatomy, Topic: “Right Trigone of the Heart”
- *Guest lectures and Felicitations: 4*
 - -Anita Jain, India Editor BMJ on “Medical Writing”.
 - -Kailash Kothari, Director of Pain Clinic of India on “Role of Pain Clinic in Chronic Pain Management
 - -Anuradha Murthy, Consultant Surgical Pathologist. on “History of medicine- A journey through postal stamps
- Swati Naik Medical Services, Emcure Pharma.on “Chirality in Clinical Practice

- Essay competition was held on the occasion of 150th Birth Anniversary of Swami Vivekananda. Prizes: Dr. Smrati Bajpai(first), Shruti Bhamare (second), Miti Parikh (third), Kishore Kushale (consolation prize), Neelam Redkar (consolation)
- Executive Committee Meetings: 12
- Annual General Body Meeting: 1
- Annual dinner on Foundation Day: 1
- Mementoes of the institution made: Diamond paper weight, Visiting Cardholder, Chair shape Mobile holder, Semicircle Cardholder, Rectangle Cardholder, Rectangle Cardholder, Mug with logo & KEM Photo, Paperweight, Sphere-cut Paperweight, Ganesh Showpiece, Ganesh-Kalash Showpiece, Pink Ganesh made available at reasonable cost for the various programs organized in the institution.
- Annual Contribution: Increased from Rs. 500/- to Rs. 1000/- p.a. It was decided that the DM, MCH residents' contribution will be Rs 500/- and for M.D/ M.S. PG students and residents will be Rs 300/- annually for the same. The contribution will be collected through heads of departments. .

13. Telemedicine

The Maharashtra Telemedicine Project was initiated as a collaborative project of Indian Space Research Organization (ISRO), Govt. of Maharashtra (GoM) and Municipal Corporation of Greater Mumbai. The project is one of the major initiatives under the National Rural Health Mission (NRHM). The annual budget provided till November 2013 is Rs. 18,76,842/-. The KEM Hospital Telemedicine Center has been connected with Telemedicine Centers at 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.Sandhya Kamath (Dean)

Members: [1] Dr. Sandeep Bavdekar, Professor and Head of Pediatrics, T.N. Medical College & BYL Nair Hospital.

[2] Dr. Kamakshi Bhate, Addl. Professor, Preventive and Social Medicine Department.

[3] Dr. Milind Tullu, Addl. Professor of Pediatrics.

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

During the year, a total of 5,464 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. Many departments also use the KEM Telemedicine Centre facilities for scientific lectures and academic communications. Through this program, KEM Hospital and Municipal Corporation of Greater Mumbai are providing their contribution to promotion of health of Maharashtra's rural populace.

District	Jan 13	Feb	Mar h	Apr il	Ma y	Jun e	July	Aug	sept	Oct	Nov 13	Total
Ahmednagar		2				3			41			46
Aheri								1				1
Akluj	31	30	46	25	48	27	18	33		17	20	295
Alibaug	47	35	2	1	5	19	44	3	5	4	2	167
Amravati									1	8	3	12
Armori			6									6
Aundh	18	10	18	15	10	15	11	9	16	8	7	137
Baramati	1	1	1									3
Beed						1						1
Chandrapur		1			2				10	1		14
Gadhinglaj			26	1								27
Gondia							6	15	15	13	12	61
Hadgaon									8		6	14
Hinganghat						1		7	25			33
Islampur	5	1		1	1				1			9
Jalgaon			1	1	3		1	2		1		9
Jalna		4	2		1		1			3		11
Kalvan	7	6		3	2	28	30	15	42	15	24	172
Kamathe	4	6	8	8	1	12	16	6	4	24	13	102
Karad	18	16	11	2	5	5	3	7		6	4	77
Malegaon				1				1	3			5
Mangaon				1					1			2
Nandurbar	85	123	104	73	159	111	120	115	115	114	83	1202
Navapur	26	38	15	31	13	12	3	21	14	5	5	183
Osmanabad							8	9	2		6	25
Parbhani				1	1	12	17	12	28	26	15	112
Ramtek										1		1
Ratnagiri	97	27	38	28	58	33	80	64	103	68	69	665
Satara				1						12	8	21
Sawantwadi	21	31	16	40	16	20	23	61	38	57	20	343
Shahapur	77	60	49	24	13	17	32	51	37	54	46	460
Shegaon								1	1			2
Shirpur	4				3	1	1	3	1	2	4	19
Sindhudurg	46	33	66	82	36	46	53	54	27	43	47	533
Thane	56	36	47	47	58	36	45	60	54	52	50	541
Tumsar					1							1
Udgir	8	10		8			2					28
Umarga	1		1					1			5	8
Vaijapur						6						6
Wardha										13	35	48
Warora	4	3			3	1	1	6	5	9	5	37
Washim	2	5	3			1	2	2	1	2	1	19

Yavatmal											6	6
Total	558	478	460	394	439	407	517	559	598	558	496	5464

14. Women's development Committee

The WDC is established in this hospital since Nov 2006 and comprises of representatives from the various cadres of teaching, non-teaching, nursing, clerical, labor staff and medical students. The new committee was appointed with effect from August 2012. The tenure of the said committee is for 3 years. The WDC looks after the welfare of women employees and students.

Activities

- 14th Jan,2013 : Haldi Kumkum with a program on “ Salad decoration and Salad Preparation” by Dr Preeti Modi.
- 8th March,2013 (International Women's day): Panel Discussion on “EMPOWERING WOMEN AGAINST SEX CRIMES”. Speakers: Advocate Manjusha Khandekar, Conselor and Coordinator Of SNEHA Smt. Pouru Wadia and cine artist Vaidehi Parshurami.
- Street play by nursing students
- Practical demonstration on self protection by OT intern from our institute.
- 26th June,2013: Talk on ” Cosmetological Advances For Looking Young And Beautiful” by Dr Rupali Pavaskar and “Hair care” by Dr Siddhi Chikhalkar, both Consultant Dermatologists.
- 28th August,2013: Talk on “The Better Half: How Are Women Different From Men?” by Dr Nilesh Shah, Prof & Head Psychiatry,LTMGH.
- The WDC will also be donating the books on Streebrunhahatya to the libraries of all municipal schools on 3rd Jan,2014 in a program on Birth Celebrations of Savitribai Phule in collaboration with Education Dept and GRC.

15. Working Committee for Prevention of Sexual Harassment at workplace

Structure of the Committee

Chairperson	Mrs Bharti Shirsat : Medical Records Dept	Female
Member	Dr Rajneesh Pandey- Anatomy	Male
Member	Mrs Parade- Nursing : Sister in charge	Female
Member	Dr. Shrikala Acharya: A.P. PSM	Female
Member	Mr. Tanay Dikshit : Office establishment	Male
Member	Dr. Padmaja Samant :A.P.Ob Gyn Dept	Female
Member	Mrs. Jayashree Tarkar: staff nurse	Female
Member	Mrs. Naik : Sister tutor	Female
Member	Mrs. Kamtekar : Sister tutor	Female
	Mrs. Viju Kantharia Sister in charge	Female
NGO member	Ms Sandhya Gokhale :Forum against Oppression of Women	Female
NGO member	Ms Swatija Paranjape :Forum against Oppression of Women	Female
NGO member	Ms. Sujata Gothoskar	Female

The primary focus of the committee is Prevention of Sexual harassment of women (students, staff, patients and third party(relatives of patients, contract workers etc.)Working towards this objective, the committee members conduct sensitization sessions throughout the institute. Sensitization and awareness sessions on the issue of Sexual Harassment at Workplace

No.	Department	Facilitator
1	Physiotherapy students	Dr Padmaja Samant
2.	Nursing school	Ms Tara Kedare
3.	Security Department	Dr, Padmaja Samant ,Mr. Vijay Jawlekar Ms. Vidula Patil, Ms. Tara Kedare
4.	Anesthesia Department RMOs	Dr. Shrikala Acharya S/N A. Parade
5	First year MBBS batch	Dr, Padmaja Samant
6	Senior Nursing staff	Dr, Padmaja Samant, Mrs. Bharati Shirsat Mr. Tanay Dikshit, Ob Gyn Department
7	Class 3 class 4 staff	Dr, Padmaja Samant, Mr. Vijay Jawlekar Ms. Tara Kedare

We have seen that wide dissemination of information about the presence, objectives, work of the committee has given confidence to more and more women to come forward and lodge their complaints. The committee approaches the cases with sensitivity and respect for all stakeholders. It follows the MCGM guidelines and Vishakha Guidelines in handling the cases.

SUPPORT SERVICES

Diet, Linen, Laundry and Tailoring

- The activities start in the early morning at 3.30 a.m. and end at 6.00 p.m. The five subsection viz Kitchen, Diet Store, Linen Store, and Laundry and Tailoring, works in co-operation. All the entries of supply and issue were carried out in SAP system.
- The Head Clerk(Diet & Linen Store) Mr. Anant Gengaje developed a software for Diet Store named “FOOD MANAGER” to keep records of all type of dietary patients admitted in the hospital from which the work like preparing Diet Sheet, Milk Sheet, Chapatti Sheet and Bread Sheet is done within half an hour without any mistake. It also keeps day to day record of vegetable, milk etc. Up gradation of software is also in progress.

Kitchen:

- The kitchen has 1 head cook and 25 cooks under the supervision of 2 dieticians with co-operation of diet store provided whole day meal to approx. 2000 admitted patients daily.
- The different types of diet provided include Normal therapeutic diet, Ryle’s tube diet and Liquid diet. On the occasion of Special Days such as Independence Day, Diwali, Christmas, Maharashtra Day and Foundation day of hospital, sweet dishes were prepared and served to all the patients.

Diet Store:

- The Diet store is being run by 1 Head Clerk, 2 Clerks, 1 Clerk works half day and 3 Hamal. This store prepare summary sheets for whole hospital like Diet sheet, Milk sheet, Chapati sheet and Bread sheet on daily basis and purchased the perishable items like Milk (3,05,260 l), Vegetables (75000 kg), Eggs (2,32,860) and Bread (41,830 packets) from the scheduled contractors as per the summary sheet and receiving the supply of same on daily basis. Non-perishable (stockable) items like Rice (42,000 kg), Dal (26000 kg), and Sugar (10,000 kg) were also purchased by this store from the scheduled contractors as per the requirement.

Linen Store:

- The Linen store is being run by 1 Head Clerk, 2 Clerks and 2 Hamals. This store purchased the total quantity of approximately 3,50,000 numbers of bed sheets, patient coat, patient pyjama, surgeon banian, surgeon gown and surgical dressing material such as gauze, bandage cloth, cotton wool and issued as per requirement in the year 2012

Laundry:

- The Laundry dept. run by 1 Head Clerk (Common to Diet Store), 1 Clerk, 3 Laundry Assistants and 7 Labours. Daily approx. 4500 numbers of soiled linen used by Patients as well as Doctors from all wards and theatres are collected and sent to Municipal Power Laundry as well as Private Dhobi through this department for washing and ironing. Approx 54,000 numbers of cloths were washed and ironed in the year 2012. Approximately 8000 cloths were received as condemned from various wards and theatres.

Tailoring:

- The Tailoring department is being run by 1 Head Clerk (Common to Diet Store), 1 Head Tailor, 4 Tailors and 1 Peon. Approximately 30,000 numbers of repairable torn cloths of patients and doctors were sewn.

Engineering (Mechanical and Electrical)

- Operation & Maintenance of Mechanical and electrical equipment such as Generators, Central Air conditioning plants, Lifts, Medical Gases, Central Oxygen & Nitrous oxide supply system, central suction, central compressed air, central L.P.G., firefighting system, EPABAX system & about 300 computer along with its peripherals, PA SYSTEM, AMC/CMC of all types of Medical equipment's are the various activities that are looked after by this department.

Achievements:

- Commissioning of TR, 3rd screw chiller A.C. plant which supply air conditioning at old bldg. M.S. bldg., A.C. system.
- Commissioning of A.C. System, Electric & Medical gas pipeline work at new pediatric ward in CVTS dept.
- Voltas make cold room new walk in cooler 3 to 5 degree Celsius capacity will be completed soon.
- Replacement of new chilled water pipeline of M. S. bldg. against old one has been completed.
- Provided SAP connectivity for various depts.

Following staff are working in M&E section of KEM Hospital

Sr.No	Designation	Number of posts
01	Assistant Engineer	02
02	Sub Engineer	03
03	Junior Engineer	01
04	Head clerk	01
05	Clerks	05
06	Shop Recorder	01

Gymkhana

The main purpose of our college gymkhana has always been to encourage medical students to have some time off from their busy schedule, and this year also we stand for the same. All the sports equipment required for all game like Cricket Bats, Tennis, TT, Badminton Racquets, Chess boards, carom coins etc. are provided. Recently Badminton court was renovated and new Table was purchased. Our college students have successfully represented our college in competitions outside college. Ours students are part MUHS University team for following sports- lawn tennis, table tennis, chess and badminton. We organized AARAMBH, the freshers' orientation program for Baby GSites who just got admissions in college. The main purpose of this activity being making juniors comfortable to new surroundings and improve healthy interaction with seniors. New Gymnasium was started in new UG-PG Hostel. New Gym equipment were added. The Hiking Department organizes hikes frequently, 1st year students were taken to Rajmachi. We also have Cycling group, wish goes on cycling expeditions on regular basis. This is upcoming group gaining more interest amongst students. Along with this Marathon group has always been active in participating in various inter-collegiate marathons and also prestigious marathons like Mumbai Marathon. Blood Donation camp and eye donation camp were held by interns during Ganpati festival in which 88 bottles of blood were collected and 350 people were convinced to donate eyes. There was 1 campaign undertaken by name I VOTE FOR A BETTER INDIA, in which awareness was created why each and every person should vote. Also, initiative was taken to make our college student register for voter ID card.

Library

Highlights & Achievements:

- Seth G.S. Medical College, Library purchased new Medical Database, 'Clinical key' from Elsevier Co. The previous, 'MD Consult' Medical database have been transformed in to, 'Clinical key'. All the journals from Elsevier Co. including 'clinics on all subjects' will be available online & more than 800 e- books are available online through this Database on Intranet.
- The 'tattle tape' has been fixed to Reference Books at ground floor Library for Library Security System.
- Subscribed to 156 journals, and purchased 110 books. The online access to all journals was made available to all on Intranet.
- We have access 51 E-Books available on Ovid Sp. And 228 e-books available on ProQuest. Links are available to all books on Intranet.

- We had continued to subscribe to following 6 databases and online access to all Databases is available on Intranet.
- Grant of Rs.55,000 was received from Govt. of Maharashtra and India for Book Bank Section. We purchased 109 books for students.
- Grant of Rs.55,000/- was received for Book Bank section, from Govt. of Maharashtra for purchase of books for socioeconomically backward students.

Donation and Grants: Free Trial access was given to following databases.

1. Access Medicine/Access Physiotherapy
2. Micro Medics Solutions
3. Acland Anatomy
4. HS Stocks/Biomedical & Life Science Collection

Library Committee: The Library Committee is an advisory committee

Members- Dean, Dr NK Hase, Dr AN Supe, Dr SV Parulekar, Dr Pritha Bhuiyan, Dr Nalini Shah, Dr Amita Mehta, Dr CT Deshmukh, Dr Nithya Gogtay, a student representative and Mrs. SB Kolekar. 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.

Medical Record Office

Renovated recently and new Godrej optimizers provided for preservation of indoor case papers

Medical stores

- Mr. Milind B. Mohite -Head Clerk (Medical-Store)
- The medicines procured by the Medical and General Stores is being approved by Pharmacy Dept. The Medical Stores is governed by Pharmacy Dept. Four Pharmacists are posted in Medical Stores. In the stores the medicines are procured, stored and distributed to various wards, dept., and theatres as per the requirement.

Pharmacy

- Smt. Madhuri G. Doiphode Supdt. of Pharmacy, Ms .Sucheta J.Potdar , Dy. Supdt. of Pharmacy
- The Pharmacy Dept. performs steam sterilization and E.T.O. gas sterilization of materials received from wards and O.T.'s. Preparation of E.D.T.A., Fluoride, Phenol bulbs and sterile empty bulbs required for collection of blood & urine samples for the O.P.D. and indoor patients. Supply of sterile distilled water & distilled water to wards and laboratories and various B.M.C. Garages in Mumbai. Orientation given about functioning of C.S.S.D., Pharmacy, functioning of stores, various dispensing units, preparation of various mixtures, ointments, lotions and distillation unit to students of Diploma and Degree College of Pharmacy and to post graduate Hospital administration students on their hospital visit.
- Activities: Mrs. Madhuri G. Doiphode, Supdt. of Pharmacy and Mr. Sheetal V. Chandan, Pharmacist are members of the Medicine Monitoring Committee.
- Staff Working at Pharmacy Department- Supdt. of Pharmacy Smt. Madhuri G. Doiphode, Dy. Supdt. of Pharmacy Ms. Sucheta J.Potdar, Pharmacists, Laboratory Technicians, Laboratory Assistants, Laboratory Attendants
- Dispensary- Most of the medicines are dispensed through 5 units (1 Main unit is working round the clock) to the O.P.D. patients and various preparation as per K.E.M. formulary like Glycerin Acriflavine, Glycerin Magsulf, M. S. liniment, Acne Lotion and Eusol Soln. for indoor patients from Dispensary.
- Staff Working at Dispensary. All the Dispensaries are governed by Superintendent. of Pharmacy, Smt. Madhuri G. Doiphode.

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, Mayor's Fund, Siddhi Vinayak Trust, Mahalakshmi Trust, Saibaba Sansthan, Shirdi etc. The money is used for poor and deserving patients after necessary sanctions are obtained. Money is also deposited for the performing certain procedures or tests.

CONTACT DETAILS

Anatomy

Sr. No.	Full Name of the Teaching staff	Designation	E-mail Address	Mobile No.	Intercom no.
1	Dr. Pritha Bhuiyan	Professor & Head	drprithabhuiyan@yahoo.com	9869629518	7447
2	Dr. M. Natarajan	Professor	natarajanmuthuramalingam@yahoo.co.in	9224616081	7447
3	Dr. Anjali Dhamangaonkar	Additional Professor	dranjali_22@yahoo.com	9820753353	7447
4	Dr. Lakshmi Rajgopal	Additional Professor	larajgopal@hotmail.com	9820075821	7447
5	Dr. K. Shyamkishore	Additional Professor	kshyamkishore@kem.edu	9820432279	7447
6	Dr. Kishor Khushale	Additional Professor	kishorkhushale@gmail.com	9819036932	7447
7	Dr. Yuvaraj Bhosale	Associate Professor	dryuvaraj@gmail.com	9322111713	7447
8	Dr. Praveen Iyer	Associate Professor	praveeniyer@kem.edu pbi1977@gmail.com	9892859202	7447
9	Dr. Bendre Ashok	Assistant Professor	infoanatomy@kem.edu	26590678	7447
10	Dr. Rashmi Patil	Assistant Professor	dr_rashmipatil@rediffmail.com rashmipatil@kem.edu	9819552729	7447
11	Dr. Harish Gaikwad	Assistant Professor	harishgaikwad@kem.edu	9833085962	7447
12	Dr. Rajneesh Pandey	Assistant Professor	prajneesh@gmail.com	9870226608	7447
13	Dr. Sikandarbanu Yerolavi	Assistant Professor	sikandarbanu_19@yahoo.co.in	9969441910	7447
14	Dr. Manoj Borkute	Assistant Professor	manojborkute@kem.edu	9323036191	7447
15	Dr. Abhijeet Dhende	Assistant Professor	drabhi34532008@rediffmail.com	9960780400	7447
16.	Dr. Anjali Telang	Assistant Professor	dranatelang@gmail.com	9766531710	7447
17.	Dr. Swapna Chavan	Assistant Professor	drswapnagt@gmail.com	9029025663	7447

18.	Dr. Shobha Gaikwad	Assistant Professor	shobhagaikwadjadhav@gmail.com	9960257471	7447
19.	Dr. Mahendra Kathole	Assistant Professor	mahendra.kathole@rediffmail.com	9167971769	7447

Biochemistry

Dr.(Mrs.) S. P. Dandekar	Professor & Head	7027	9821076406	sucheta.dandekar@gmail.com
Dr. V. G. Patke	Professor	7449	9820847795	vinaypatke@gmail.com
Dr. S. R. Prabhu	Professor	7449	9833158335	prabhusurekha@gmail.com
Dr. U. H. Shinde	Associate Professor	7449	9869115856	umas8586@gmail.com
Dr. R. S. Dhamnaskar	Associate Professor	7449	9920482023	rekhadhamnaskar@yahoo.co.in
Dr. C. A. Sathe	Associate Professor	7449	9820450880	drcasathe@yahoo.com
Dr. S. A. Rane	Associate Professor	7449	9930105732	drsarane@rediffmail.com
Smt. S. P. Parekh	Associate Professor	7449	9820383811	prafullparekh@rediffmail.com
Smt. G. V. Phatarphekar	Associate Professor	7449	9820045522	phatarp@gmail.com
Dr. H. S. Dahake	Assistant Professor	7449	9029696118	drhdahake@gmail.com
Dr. K. G. Sorte	Assistant Professor	7449	9370663730	krantigawali@rediffmail.com
Dr. Y.R. Pawade	Assistant Professor	7449	8055843866	yogeshpawade@gmail.com
Dr. S.S. Fupare	Assistant Professor		9552507844	drsantoshfupare@rediffmail.com
Smt. A.N.Vichare	Record Assistant	7449		

Cardiology

Name	Designation	Mobile No.	Intercom	Email address
Dr.Prafulla G. Kerkar	Professor & Head	9820144111	7636	prafullakerkar@rediffmail.com
Dr.Charan Lanjewar	Associate Professor	9769133740	7636	charanlanjewar@hotmail.com
Dr.Ashish Nabar	Associate Professor	9819466292	7636	ashish_nabar@hotmail.com
Dr.Milind Phadke	Assistant Professor	9322868492	7636	miphadke@hotmail.com
Mrs.Pratibha J. Sawant	Clerk cum Typist	24107000	7636	---
Mr.Ganesh Gondke	Clerk CumTypist	24107000	7636	---

CVTS

Name	E-mail	Inter com no	Landline No	Mobile No
Dr.N.B.Agrawal Professor	drnbagrawalcvts@yahoo.co.in	7005	03639234	9920097908
Dr.D.V.Kulkarni Professor	dkulkarni73@yahoo.com	7631	24102333	9820451097
Dr.Prashant Mishra Professor (Additional)	dprashantmishra100@yahoo.com	7632	24138011	9833989560
Dr.Kamlesh Jain Assoc. Professor	drkamleshjain@live.in	7207	23007104	9930320503
Dr.Rohit Shahapurkar Asst. Professor	rohitmita@gmail.com	7207	---	9322258723
Dr.Balaji Aironi Asst. Professor	drbalajiaironi@gmail.com	7207	25570021	8879367226
Mr.M.S.Soman C.C.T	----	7429	---	9820275219
Mr.Mahesh Solanki (R.A)	-----	7429	---	8291868220

Ms.R.R.Adsul Sr. Lab Technician	---	7207	---	9892245245
Mr.S.B.Kale Lab Technician	---	7207	--	9820577080
Mr.S.P.Memane Lab Technician	---	7207	--	9869056626
Mr.A.S. Saruk Lab Technician	---	7207	---	9869366542
Mrs. Vaishali Mete Lab Technician	---	7207	---	9222105804

Dentistry

Dept. of Dentistry	Designation	Intercom	Mobile	e-mail
Dr. Nanda Pai	Associate Prof.	7306	98203 40680	nandapai@rediffmail.com
Dr. Prasad Bhange	Assistant Prof.	7306	9819168314	richa.bhange@gmail.com
Dr. Isha Sanghvi	Registrar	7306	98336 53882	ishasanghvi@gmail.com
Dr. Bhavana Ambore	Registrar	7306	91670 02866	bhavanaambore@gmail.com
Dr. Vrinda Sathe	Registrar	7306	98334 53757	vrinda.sathe@yahoo.co.in
Dr. Ami Gopani	House Officer	7306	98193 83434	amigopani@gmail.com
Dr. Kunal Kapadia	House Officer	7306	98198 70705	kunalkk87@gmail.com
Dr. Aditi Kamble	House Officer	7306	99694 44604	

ENT

NAME	CONTACT NUMBER
DR. JPD Unit	
Dr. Jyoti P. Dabholkar: Professor & Head	23677142/ 23637517/ 982062512, email id- drjpdabholkar@gmail.com
Dr. Shashikant Mhashal: Assist. Prof	9867263615/ Drshashi_ent@yahoo.com
Dr. Arpit Sharma: Assist. Prof	9920459097 drarpitsharma@gmail.com
4th Year Resident:	
Dr Jaini Lodha,	9820772383,jainilodha@gmail.com
Dr Abhishek Kumar Ramadhin	8097235515 /Drabhishekkumar4u@gmail.com
3rd Year Resident:	
Ameya Bihani	9702449708, Ameya1301@asia.com
Subodha H.R	9769866577,hrsubodh@yahoo.com
2nd Year Resident:	

Dr. Nitish Virmani	9702980431
Sheetal Shelke	9960801608 sheetalshelke89@yahoo.in
1st Year resident	
Dr. Yogesh Dokhe	9769183745
Dr. Keya Shah	9833943510
DR. HM Unit -	
Dr.Hetal Marfatia: Assoc. Prof. and Unit Head	9820804402 email id- drhetal22@gmail.com
Dr. Nilam U. Sathe: Assoc. Prof	25782801/ 9821309298 drneelam_s@yahoo.co.in
4th Year Resident:	
Dr Minakshi Mishra	9833625464
Dr Sanjay Kumar Behera	
Junior resident	
Dr. Mohit Lavania	9819751476
3rd Year Resident:	
Dr. Rahul Patil	9702732962 rahulravindrapatil1985@gmail.com
Dr. Asmita Madhavi	9594640437 asmitamadhavi@yahoo.co.in
2nd Year Resident:	
Ratna priya	9619904215 ratnapriya01@gmail.com
Shruti Bansal	8097421210 Drshrutibansal1706@gmail.com
1st year resident	
Dr. Ankur Parikh	9870193456
Dr. Priyanka Hardikar	9757064213

Endocrinology

Department of Endocrinology : Tel. no. 24168714

Ext. : 7286 (Office), 7317 (OPD), 7491 (Lab)

List staff members:

Sr. No.	Name	Designation	E mail id	Mobile no
1	Dr. Nalini S. Shah	Prof & Head	nalinishah@gmail.com	9820223288
2	Dr. Tushar R. Bandgar	Professor (Addl)	drtusharb@gmail.com	9820025037
3	Dr. Anurag Ranjan Lila	Assistant Professor	anuraglila@gmail.com	9323065346

Forensic Medicine

Name	Contact no.
Dr.H.M.Pathak (HOD)	9004550007 (7610)
Dr.R.B.Sukhdeve (Addi. Professor)	9820119983 (7620)
Dr.R.B.Deokar (Asst. Professor)	9869741117
Dr.Sachin Patil (Asst.Professor)	9757179483
Dr.Girish Tasgaonkar (Asst.Professor)	9623444114
Dr.Mahendra Wankhede (Asst.Professor)	9322650861
Dr.Vikas Meshram (Asst.Professor)	8888856992
Dr.Dattatray Ghodake (Asst.Professor)	9867850167
Dr.Manoj Parchake (Asst.Professor)	9552171986
Dr.D.S.Balsara (Asst.Professor)	9820573298
Dr.Sunil Vidhate (Resident 1 st Year)	9579199019
Dr.Shashank Tyagi (Resident 1 st Year)	7738922308
Mrs. Smita Koregoankar (Technician)	7644
Ms. D.M.Sawle (Technician)	7644
Mr.Kavita Surve (Technician)	7644
Kum. A.R.Khambekar (Clerk)	7073

Gastroenterology

Contact Information:

- 1) Dr. Shobna Bhatia - sjb@kem.edu Ext – 7625 Tel no - 24103057
- 2) Dr. Akash Shukla - akash@kem.edu Ext – 7034 Tel no – 24103057
- 3) Dr. Deepak Kumar Gupta - dkgt@rediffmail.com - 7034 Tel no – 24103057

Surgical Gastroenterology

Contact Information:

- 1) Dr Chetan Kantharia: 9869072625
- 2) Dr RAMkrishna Prabhu: 9869133869
- 3) Dr Sharvari Pujari: 9890629698
- 4) Dr Vikram Chaudari:9869697799
- 5) Dr Suhail Khuroo:9869280844
- 6) Dr Adithya Nargund: 9029084979
- 7) Dr Sagar Kurunkar: 9167411313
- 8) Dr Mirza Kasim Beg 9820013822

Hematology Department

Name	Designation	Mobile No.	Intercom	E-mail Address
Dr.Farah F.Jijina	Hon.Professor	9820423690	-	farahjijina@hotmail.com
Dr.Chandraka S.	Associate Professor	9699087654	7686	drchandra.S@rediffmail.com
Mrs.Vijayalakshmi Nair	Laboratory Technician	24107063	7063	-
Mrs.Neha Deshmukh	Laboratory Technician	24107063	7063	-
Mrs.Swati Limaye	Laboratory Technician	24107063	7063	-
Mrs.Bhakti Mayekar	Laboratory Technician	24107063	7063	-
Mrs.Veena P.Dhuri	Clerk-cum-Typist	24107063	7063	-

Medicine

Name	Designation	Intercom No.	Mobile No.	Email ID
Dr.A.R. Pazare,	Professor & HOD	7058	9820572212	arpazare@hotmail.com
Dr.M.Y. Nadkar	Professor,	7616	9820060705	milindnadkar@yahoo.com
Dr.N.D. Karnik	Professor	7618	9821483404	drndkarnik@hotmail.com
Dr.N.N. Redkar	Professor	7641	9619679742	nnredkar@yahoo.co.in
Dr.A.G Rajadhyaksha	Professor	7164	9821275280	anjalarajadhyaksha@kem.edu
Dr.R.N. Sahay	Associate Professor	7623	9820061099	ravindranathsahay@hotmail.com
Dr.S.B. Salagre	Associate Professor	7996	9869273662	drsantoshsalagre@hotmail.com

Dr.A.S. Sonawale	Associate Professor	7617	9892639939	sanjayarchana@hotmail.com
Dr.K.N. Yelve	Associate Professor	7641	9869788359	kavitayelve@ yahoo.com
Dr.K.J. Rawat	Associate Professor	7643	9769968090	Drkavit2008@hotmail.com
Dr.M.S Vaidya	Associate Professor	7643	9833991650	meghna@yahoo.co.in
Dr.Smrati Bajpai	Asst. Professor	7997	9892270764	smratibajpai@yahoo.com
Dr.S.M .Itolikar	Asst. Professor	7997	9324280920	subshob@yahoo. co.in
Dr.Vishal Gupta	Asst. Professor	7642	9869136601	drvagupta@yahoo.co.uk
Dr.M.W. Itolikar	Asst. Professor	7642	9322075205	Manish_Itolikar@ yahoo.co.in
Dr.M.S. Patil	Asst. Professor	7997	9820159295	Meenashipatil90@yahoo.co.in
Dr.Juhi Kawle	Asst. Professor	7997	9619413246	Juhi_kawle@yahoo.co.in
Dr.Kaustu bh Salagre	Asst. Professor	7642	9619919967	drkakustubhsalagre@yahoo.co.in

Microbiology

Sr.no.	Name	Designation	Cell no.	E-mail ID
1	Dr. Preeti Mehta	Prof. & Head	9820489004	prm.kem@gmail.com
2	Dr. Gita Nataraj	Prof. (ad-hoc)	9820067349	gitanataraj@gmail.com gitanataraj@kem.edu
3	Dr. M.G.Karmarkar	Prof. (ad-hoc)	9869284148	rajivkarmarkar@yahoo.com
4	Dr. M.J.Sathe	Prof. (Addl)	9820791552	madhavsathe@gmail.com
5	Dr. Avani Koticha	Prof. (Addl)	9869001924	kotichaavani@hotmail.com
6	Dr. Shashir Wanjare	Asso. Prof.	9987019430	shashirwanjare@gmail.com
7	Dr. Nayana Ingole	Asso. Prof.	9821471788	nayanaingole@gmail.com
8	Dr. Swapna Kanade	Asso. Prof.	9820569565	drswapnakanade@yahoo.co.in
9	Dr. Priyanka Prasad	Asso. Prof.	9930923115	priyanka1975@gmail.com
10	Dr. Sunil Kuyare	Asst. Prof.	9224110191	drsunil77@gmail.com
11	Dr Supriya Paranjpe	Asst. Prof.	9987098381	supriyaparanjpe@rediffmail.com
12	Dr. Milind Ubale	Asst. Prof.	9220861426	ubales2001@yahoo.co.in
13	Dr. Vijaya Torane	Asst. Prof.	9820771180	vijayatorane@yahoo.co.in
14	Dr. Pallavi Rodge	Asst. Prof.	9702558850	vpsurase@gmail.com
15	Dr. Rupali Suryavanshi	Asst. Prof.	9833559321	doctorrupali@gmail.com
16	Dr. Shivani Shinde	Asst. Prof.	9819037234	drshivani.verma@gmail.com
17	Dr. Alpana Mhashilkar	Asst. Prof.	9769628035	alpana2908@gmail.com
18	Dr. Rajkunwar Phakade	Asst. Prof.	9820683801	drresp97@rediffmail.com
19	Dr. Vaishali Surase	Asst. Prof.	9320506432	surasevaishali@gmail.com
20	Dr Pooja Thakkar	Asst. Prof	9769350250	thakkarpooja@rediffmail.com
21	Dr Shweta Raut	Asst. Prof	9920360280	shwetsr123@gmail.com

Neonatology

	Email ID	Intercom No.	Landline No.	Mobile
Dr. Ruchi N. Nanavati	druchinanavati@gmail.com	7035	26140836	9820127317
Dr. Nandkishor S. Kabra	nskabra@gmail.com	7035	65724276	9820919271
Dr. Samir Sheikh	samirzuzma@yahoo.co.in	7841	-	8652338111
Dr. Bonny Jasani	docbonny_2000@yahoo.com	7841	-	8080599728

Nephrology

Dr. N.K.Hase – Prof. & Head

9821144858 nk_hase @hot mail com

Dr Tukaram Assistant. Prof.

9167460363 tukaramjamale@yahoo.co.in

Dr. Vaibhav - Medical Officer

9820992451 – vaibhavsrikeskar @ gmail.com

Senior Resident

Dr. Dinesh -9320346426 – drdineshmahajan444@gmail.com

Dr. Sunil -9420196867 / 8879403973

Resident

Dr. Aniruddha - 9869368790

Dr. Swati - 9167524732

Dr. Sidhart - 9867710219

Dr. Divya - 8454024014

Neurology

Name	Designation	Extn.	Mobile Direct Line No.	Email
Dr. S. H. Ravat	Professor & Head	7545	9820310850	ravatsh@yahoo.com
Dr. P. J. Oak	Assoc. Professor	7487	9820010974	sagar_Oak@rediffmail.com
Dr. Neeraj Jain	Assistant Professor	7487	9930715878	neeraj2you@gmail.com
Smt. S. S. Awate	C.C.T.	7487	-	
ShriUdayKamble	EEG Tech	7502	-	
ShriSuhasTodankar	Sr. Ele. Tech.	7174	-	
ShriRanjeetSawant	Lab. Attendant	7502	-	
ShriMukeshShinde	R.A.	7310	-	

Neurosurgery

Aadil Chagla aadilchagla@kem.edu

mobile : 9820776190

Nuclear Medicine

Name	designation	Intercom	Mobile/direct line	email
Dr G H Tilve	Consultant	7874	9820416837	ghtilve@yahoo.com
Dr Shwetal Pawar	Assistant Professor	7874	9819094304	shwetal13@yahoo.com
Mr Kokare	Record Assistant	7872	-	-

Nursing

Matron	: Smt.Swati G.Bhide	7412
Sr.Assist Matron	: Smt. A.G.Velhal	7013
Sr.Assist Matron	: Smt M.Parab	7062
Jr. Assist Matron	: Smt. U.A.Chavan	7049

Obstetrics and Gynecology

Name	Designation	Direct No.	Intercom	Email address
Dr. S. V. Parulekar	Professor & Head		7042	shashankparulekar@kem.edu
Dr. P. K. Shah	Professor	9322234814	7187	pkshah@kem.edu
Dr. Meena Satia	Professor	9869084018	7189	meenasantia@kem.edu
Dr. N.M. Mayadeo	Professor	9869233317	7185	nmmayadeo@kem.edu
Dr. A. S. Gupta	Professor	9892608513	7188	alkagupta@kem.edu
Dr. Anahita Chauhan	A.P.	9820296488	7184	anahitachauhan@kem.edu
Dr. P. Y. Samant	A.P.	9869066586	7175	padmajasamantmavani@kem.edu
Dr. J. Rege	A.P.	-	7182	jayantrege@kem.edu
Dr. Hemangi Chaudhari	A.P.	9820508326	7186	hkchaudhari@kem.edu
Dr. Himangi Warke	A. P.	9820484280	7667	himangiharke@kem.edu
Dr. Deepali Kharat	Assist.Prof	9833033916		deepalikharat@kem.edu
Dr. Sachin Pardeshi	Assist.Prof	9320095199	7466	sachinpardeshi@kem.edu
Dr. Anil Mirchandani	Assist.Prof	9322892021	7466	anilmirchandani@kem.edu
Dr. Sarita Channawar	Assist.Prof	9324662866	7466	saritachannawar@kem.edu
Dr. Rashmi Khadkikar	Assist.Prof	9324229705	7466	rashmikhadkikar@kem.edu
Dr. Ganesh Wakchaure	Assist.Prof	9594933931	7466	

Dr. Nilima Mantri	Assist.Prof	9819437957	7466	
Dr. Vibha More	Assist.Prof		7466	vibha.more@gmail.com
Dr. Shila Chakre	Assist.Prof	9699064503	7466	sheelawaghmare@gmail.com
Dr. Shruti Panchbudhe	Assist.Prof	9324970237	7466	
Dr. Harshada Thakur	Assist.Prof	976459995	7466	harshrainbow_2010@yahoo.co.in
Dr. Kimaya Mali	Assist.Prof	9892648462	7466	drkimaya123@gmail.com
Dr. Keshav Pai	Assist.Prof	9819637219	7466	
Dr. Munira Ansari	Assist.Prof	9969017784	7466	doc_muni@yahoo.co.in
Dr. Kshitij Jamdade	Assist.Prof	7709551949	7466	
Dr. Shabnam Qureshi	Assist.Prof	8454800646	7466	
Dr. Mayur Daigavane	Assist.Prof	7709160220	7466	
Dr. Durga Valvi	Assist.Prof	8652181614	7466	drdurga.valvi@gmail.com
Dr. Usha Kohli	Assist.Prof	9969411101	7466	usha_kohli@hotmail.com
Mrs. Vaishali K	CCT		7466	

Occupational Therapy

S. No	Name of the Staff	Designation	Mobile Number	Residence Number	Intercom Number	Email id
1	Dr. Mrs. Jayashri S. Kale	Professor	9869604369	26116235	24107477	jayashrikale@gmail.com & jayashrikale@yahoo.com .
2	Dr. Mrs. Zarine D. Ferzandi	Associate Professor & Ag Head	9820742360	23703750	24107044 24107477 24107478	zarine.ferzandi@gmail.com .
3	Dr. Mrs. Karuna V. Nadkarni	Associate Professor	9869360064	21660334	24107477 24107478 24107420	phalekaruna@hotmail.com
4	Dr. Mrs. Snehal P. Desai	Associate Professor	9833149312	24123172	24107477 24107478	snehalpradip1955@yahoo.co.in .

5	Dr. Mr. Hemant P. Nandgaonkar	Assistant Professor	9819660953	25614579	24107477 24107420	nandgaonkar.hemant@gmail.com
6	Dr. Mrs. Moushami S. Kadkol	Assistant Professor	9820528831	24145569	24107477 24107478	moushamikadkol@gmail.com
7.	Dr. Mrs. Shilpshree P. Palsule	Assistant Professor	9987798660 9323863498	21630392	24107477 24107562	sppalsule@gmail.com .
8.	Dr. Mrs. Usha Uday Kasar (nee Usha Bhojne)	Assistant Professor	9323701389	24131259	24107477 24107478 24107420	ushabhohne@gmail.com
9.	Dr.Ms. Rajul K Daftary	Assistant Professor	9987051051	25131324	24107477	rajuldaftary@rediffmail.com
10	Dr. Ms. Shweta G. Joijode	Assistant Professor	9869824511		24107477 24107478	sjoijode@yahoo.com
11	Dr. Mrs. Aparna A. Bole	Assistant Occupational Therapist	9869039713		24107477 24107420	aparnabole@yahoo.com
12	Dr. Mrs. Sapna V. Mishra	Assistant Occupational Therapist	9820659879		24107477 24107478	saps135@yahoo.com
13	Dr. Mrs. Shilpa P. Nayak	Junior Occupational Therapist	9869184919	26152841	24107477 24107420	drshilpanayak@rediffmail.com
14	Dr. Mrs. Sanika V. Gawade	Junior Occupational Therapist	9819213248		24107477 24107420	anusanl@live.com

15	Dr. Mrs. Rupali D. Borkar	Junior Occupational Therapist	9819133354		24107477 24107478	drroopali_100@yahoo.co.in .
16	Dr. Mrs. Sonali R. Dalvi	Junior Occupational Therapist	9702058666		24107477	drsonalidalvi@gmail.com
17	Dr. Mrs. Neeta S. Pawar	Junior Occupational Therapist	9967436825		24107477 24107478	neeta.pawar1@gmail.com .
18	Dr. Ms. Nutan D. Jathar	Junior Occupational Therapist	9819508921	27881168	24107477 24107420	nutanjathar@yahoo.co.in
19	Dr. Ms. Kirti R. Kene	Junior Occupational Therapist	9833045490		24107477 24107562	kirtikene4@gmail.com
20	Dr. Ms. Vaijanti L. Jain	Junior Occupational Therapist	9819605032	28147827	24107477 24107478	viju Jain_23@yahoo.com
21	Dr. Mr. Somnath A. Sonwalkar	Junior Occupational Therapist	9699445079		24107477 24107420 24107110	soms_therapy@yahoo.co.in
22	Mrs. Swati Y. Dahat	Clerk	9892276222		24107477	-
23	Shraddha Pandit	R. A.			24107477	

Pathology

Name	Designation	Land Line & Mobile No.	Intercom No.	Email address
Dr. B.M.Kandalkar	Professor and Head	9833866176 26177155	7603/7445	bmkandalkar@rediffmail.com
Dr. Amita S.Joshi	Professor	26407667 9820294897	7546	drjoshiamita@yahoo.co.in
Dr.Leena P.Naik	Professor	24903382 9867620619	7555	leena_pnaik@yahoo.co.in
Dr.Daksha P.Prabhat	Professor	24216720 9322270087	7556	dakshaprabhat@rediffmail.com
Dr.Smita A.Divarte	Addl. Professor	28323366 9820293594	7989	smitadivate@kem.edu
Dr.Pradeep Vaideeswar	Addl. Professor	9833509435	7550	shreeprajai@yahoo.co.in
Dr.M.H. Ansari	Addl. Professor	9224609467	7321	NIL
Dr.Gwendolyn Fernandes	Assoc. Professor	28123936 9819218405	7566	drgwenfern@yahoo.co.in
Dr.Rachana A. Chaturvedi	Assoc. Professor	24104482/ 9967017267	7554	rachanachaturvedi,@yahoo.co.in
Dr.Annapurna C. Taware	Assoc. Professor	9920344902	7550	NIL
Dr.Kanchan S. Kothari	Assoc. Professor	26108056 261401408 9820056313	7554	kanchankothari@hotmail.com
Dr.Naina A.Goel (Kataria)	Assoc. Professor	24147709 9819374198	7548	nainakataria123@hotmail.com
Dr.Pragati A. Sathe	Assoc. Professor	26201348 9324045123	7554	pragativk@yahoo.com
Dr. Manjusha M. Karegar	Assoc. Professor	0251-2456735 9920270717	7526	manjusha.karegar@gmail.com
Dr.Ratnaprabha K. Ghodke	Assistant Professor	9819666393	7554	drnatnag@hotmail.com
Dr.Lalita G. Patel	Assistant Professor	28331514	7726	drpatellalita@rediffmail.com

Dr. Mona A. Agnihotri	Assistant Professor	9821030838	7554	Monaakshay@mtnl.net.com
Dr. Amey V. Rojekar	Assistant Professor	9221430968	7726	ameyrojekar@rediffmail.com
Dr. Ashwini A. Kolhe	Assistant Professor	9323964513 9322299354	7550	drashwinikolhe@gmail.com
Dr. Tejaswini P. Waghmare	Assistant Professor	9821370200	7806/7554	tpanad@yahoo.com
Dr. Jayshri P. Chaudhari	Assistant Professor	9869793185	7548	jayashreepath@yahoo.com
Dr. Prajakta Gupte	Assistant Professor	9930624184 02226340347	7546	Prajumore24@gmail.com

Pediatrics Surgery

<p>Professor & Head Dr. Sandesh Parelkar M.S.(General Surgery); MCh (Pediatric Surgery)</p> <p>Visiting Honorary Professor Dr. Sanjay Oak</p> <p>Professor Dr. Beejal Sanghvi M.S.(General Surgery); MCh (Pediatric Surgery); DNB (Pediatric Surgery)</p> <p>C.C.T. Smt. Aparna A Vaidya</p> <p>CONTACT: Department of Pediatric Surgery Seth G.S. Medical College and K.E.M Hospital, Parel, Mumbai – 400012.</p>	<p>svp@kem.edu 7041 9869039091</p> <p>sanjayoak@kem.edu 9820703191</p> <p>beejalsanghvi@gmail.com 7219 9833452626</p> <p>7994 9967585683</p> <p>Tel: 02224107994 Tel: 02224107219 E-mail: infopediatricsurgery@kem.edu</p>
--	--

Pediatrics

Department & Name	Designation	Inter-com	Mobile/ Direct Line	Email
Dr. Mukesh Agrawal	Professor & Head	7060	24107060	dr_mukesh_agrawal@yahoo.co.in
Dr. Chandras T. Deshmukh	Professor	7626	24107626	ctdeshmukh@hotmail.com
Dr. Sunil Karande	Professor	7559	24107559	karandesunil@yahoo.com
Dr. Rajwanti K. Vaswani	Professor	7559	24107559	anukvaswani@hotmail.com
Dr. Mamta N. Muranjan	Addl. Professor	7559	24107559	muranjanmamta@rediffmail.com
Dr. Milind S. Tullu	Addl. Professor	7646	24107646	milindtullu@yahoo.com

Dr. Minal Wade	Associate Professor	7559	24107559	minalwade@gmail.com
Dr. Chhaya Divecha	Assistant Professor	7559	24107559	chhayadivecha@gmail.com ; chhaix@gmail.com
Dr. Shruti Agarwal	Assistant Professor	7559	24107559	drshru.a@gmail.com

Pharmacology & Therapeutics

Name	Designation	Intercom	Mobile / Direct Line	Email
Nirmala Rege	Professor & Head	7023	9820444940	nimarege@gmail.com
Sandhya Kamat	Professor	7516	9820165681	drsandhyakamat@gmail.com
Padmaja Marathe	Associate Professor	7517	25365999	pam2671@gmail.com
Shirish Joshi	Associate Professor	7444	9820338456	shirishjoshi2002@yahoo.co.in
Tejal Patel	Associate Professor	7444	9969038183	drtejalchetan@gmail.com
Raakhi Tripathi	Associate Professor	7444	9821724700	lookon@rediffmail.com
Shruti Bhide	Associate Professor	7444	9224415446	shrutibhide72@gmail.com
Dnyaneshwar Kurle	Associate Professor	7517	9757423862	dgkurle@yahoo.com
Yashashree Shetty	Assistant Professor	7517	9869193041	yashashrirajit@gmail.com
Sharmila Jalgaonkar	Assistant Professor	7444	9819159739	sharmila_jalgaonkar@rediffmail.com
Pankaj Sarkate	Assistant Professor	7517	9223550799	pankajsarkate@gmail.com
Snehalata Gajbhiye	Assistant Professor	7444	9920759944	dr.ssborkar@gmail.com
Urwashi Parmar	Assistant Professor	7444	9892406877	drurwashi@gmail.com
Firoz Tadavi	Assistant Professor	7561	9920549222	firoztadavi@yahoo.com
Sanket Raut	Assistant Professor	7517	9819265972	sanketraut08@gmail.com

Tushar Bagle	Assistant Professor	7482	9869052680	tusharbagle@gmail.com
Meghana Kulkarni	Assistant Professor	7444	9920105138	meghharsh05@gmail.com

Physiology

Sr. No.	Name of the Teacher	Designation	Contact No.	Email address
1	Dr. J. V.Gadkari	Prof. &head	9820339201	jayashreegadkari@yahoo.com
2	Dr. D .N. Shenvi	Professor	9820096941	dshereshenvi@yahoo.co.in
3	Dr. Pushpa A. Pazare	Professor	9821486929	pushpapazare@hotmail.com
4	Dr. Ameet Fadia	Prof. (Addl)	9322687190	apmc33@gmail.com
5	Dr. Amit Navare	Prof. (Addl)	9820304983	navareamit@yahoo.com
6	Dr. Lalit Nikam	Prof. (Addl)	9987899982	lalitnikam@rediffmail.com
7	Dr.Lalita Chandan	Prof. (Addl)	9967834535	drlichandan@gmail.com
8	Dr .Sunanda Kirtikar	Assoc.Prof.	9820533445	sunan_kirtikar@yahoo.com
9	Dr. Munira Hirkani	Assoc.Prof.	9920157820	drmunira01@gmail.com
10	Dr. Anita Agarwal	Assoc.Prof.	9820561231	agrawalanita@hotmail.com
11	Dr. Sharad Patel	Assoc. Prof.	7588722029	sgp7676@gmail.com
12	Dr. Abhay Naik	Asst. Prof.	9892042675	dragn75@rediffmail.com
13	Dr. Kshitija Patkar	Asst. Prof.	9322646364	drkshitijapatil@yahoo.co.in
14	Dr. Manish Dhadse	Asst. Prof.	9322876310	mail2drmanish@gmail.com

15	Dr. Hitesh Modak	Asst. Prof.	9371972433	dr_hitesh2000@hotmail.com
16	Dr. Sarika S. Puri	Asst. Prof.	9870774200	drsansar@gmail.co
17	Dr. Lakshmikant Borse	Asst.Prof.	9822427213	drborselaxmikant@gmail.com
18	Dr. Samadhan Mitkari	Asst.Prof.	9224701535	dsam_80@rediffmail.com
19	Dr. Vankatesh Rathod	Asst.Prof.	9423472580	rvenkatesh60@yahoo.com
20	Dr. Kavita Darra	Asst.Prof(adhoc)	9869004524	--
21	Dr. Geeta Jagia	Asst.Prof(adhoc)	9860008958	Geeta_jagia6@yahoo.co.in
22	Dr. Adwait Godse	Asst.Prof(adhoc)	9220747246	dradwait@gmail.com

Physiotherapy

Sr. No	Name	Designation	Tel/Mobile	Email
1.	Amita A. Mehta	Professor& Head	26124629 9819813381	amitaam@gmail.com
2.	Saraswati Iyer	Professor	9833028588	
3.	Chhaya Varma	Professor	27722496	chhaya-verma @indiatimes.com
4.	Bhavana Mhatre	Assoc. Prof.	24463511 982171296	sidhe@vsnl.com
5.	Jaimala Shetye	Assoc. Prof.	25342811	jaimalavs@gmail.com
6.	Mariya Jiandani	Assoc. Prof.	26429286 9820191106	mariyapi@yahoo.com
7.	Archana Gore	Assistant Prof	9820963933	milarch17@yahoo.com

8.	Jyotsna Thosar	Assistant Prof	25404391 9821066016	jyotsnathosar@rediffmail.com
9.	R. Lakshmiprabha	Assistant Prof	24038801 9820218990	lakshprasad@rediffmail.com
10.	Surkar Swati M.	Assistant Prof	7152242990 9867583444	swatisurkar@kem.edu
11.	Geete Dipti Baban	Assistant Prof	9869701464	dipti_geete@yahoo.com
12	Sushama Gajakos	Assistant Prof	9820219984	sushama_g7in2rediffmail.com
13	Rupali Deshpande	Assistant Physiotherapist	9960858803	rudesh71@gmail.com
14	Pallavi Dhandore	Assistant Physiotherapist	9821570750	Pallavi.dhandare@yahoo.com
15	Shilpa Naik	Assistant Physiotherapist	9224103120	drshilpapn@rediffmail.com
16	Sarika Pajai	Assistant Physiotherapist	9870556281	Drsaripajai@gmail.com
17	Poonam Patil	Assistant Physiotherapist	9967964728	poonamp33@gmail.com
18	Shardul Ganvir	Junior Physiotherapist	9869921085	
19	Jolly Joyees	Junior Physiotherapist	9819538873	Jollythomas24@yahoo.co.in
20	Shabana Kazi	Junior Physiotherapist	9892878640	shabana_kazi2000@yahoo.com
21	Esther Katarnawre	Junior Physiotherapist	9420469987	estherk44@gmail.com
22	Apeksha Ingle	Junior Physiotherapist	9619722090	apeksha.pat@gmail.com

Plastic Surgery

NAME & DESIGNATION	E MAIL	INTER COM	LANDLIN E	CELL
Dr. Vinita Puri	vp@kem.edu	7040	24107040	
Dr. Kapil Agrawal	drkapilps@radiffmail.com	7278	23011105	9322242463
Dr. Eulalia D'Souza	eula_dr@rediffmail.com	7212	28939485	9769832793

Preventive& Social Medicine

Name of the faculty	Designation	E.mail ID	Intercom No.	Mobile No.
Dr. R.R. Shinde	Professor & Head	expertratnesh@yahoo.com	7074	9820097514
Dr.Seema S. BansodeGokhe	Professor	seema.sbg@gmail.com	7144	9821755690
Dr.SunitaS.Shanbhag	Professor	sunita_shanbhag@yahoo.com	7080	9820480059
Dr.KamaxiP.Bhate	Addl.Professor	peckem@rediffmail.com	7484	9821033222
Dr. R.S. Kembhavi	Addl.Professor	ravindrakembhavi@yahoo.co.in	7484	9869107798
Dr.RujutaHadaye	Addl.Professor	rujutahadaye@gmail.com	7484	9869352260
Dr.Yuvraj B. Chavan	Addl.Professor	yuvarajbc@yahoo.co.in	7484	9869178407
Dr.Srikala M. Acharya	Assoc. Professor	shrikalag@rediffmail.com	7484	9324088975
Dr.Mridula J. Solanki	Assoc. Professor	drsolkanki05@yahoo.co.in	7484	9820203396
Dr. Sanjay G. Panchal	Asstt. Professor	drsangpan@yahoo.co.in	7484	9869452774
Dr. Swati R. Deshpande	Asstt. Professor	drswatideshpande@rediffmail.com	7484	9322753269
Dr.Dilip D. Kadam	Asstt. Professor	dilipkadam@yahoo.com	7484	9869228406
Dr. Sophia Fernandes	Asstt. Professor	drsdfernandes@rediffmail.com	7484	9820605454
Dr.SujataLavangare	Asstt. Professor	drsujata@rediffmail.com	7484	9820137807
Dr.MilindRasal	Asstt. Professor	drmilinds@gmail.com	7484	9320381931
Dr.Pavan Sable	Asstt. Professor	pavhappy@yahoo.com	7484	9930592082
Dr.AftabSiddhiqui	Asstt. Professor	draftabsiddiqui@indiatimes.com	7484	9821631607
Mr.PratapJadhav	Asstt. Professor	Pratapjadhav1979@gmail.com	7484	9323817993
Mr. Vijay Jawlekar	MSW	vijayjawlekar@yahoo.com	7484	9869329823
Mrs.TaraKedare	MSW	kedaretara@gmail.com	7484	9930140428
Mrs.VidulaPatil	MSW	Vidula_dinesh@yahoo.com	7484	9969018733
Mr.RavindraDabhade	MSW	Ravindrabadhadeymail.com	7484	8983673012

Transfusion Medicine

Name	Designation	Inter com	Mobile/ Direct Line	e-mail
Dr.Jayashree Sharma	Professor & Head	7016	9819716450 24135189	jayashreesharma@kem.edu
Dr.Charusmita Modi	Associate Professor	7016	9869104114 24135189	charusmitamodi@kem.edu
Dr.Swarupa Bhagwat	Assistant Professor	7016	9969044986 24135189	swarupabhagwat@kem.edu

Urology

Sr.No	Name of Teacher	Designation	Interco m No.	Email ID	Mobile No.
1.	Dr.Sujata Patwardhan	Professor & Head	7033	sujata.patwardhan@rediffmail.com	+919819075202
2.	Dr.Attar Mohd. Ismail	Assistant Professor	7495	attarmohammad@rediffmail.com	+919322689571



Seth G. S. Medical College & K. E. M. Hospital,
Parel, Mumbai – 400012.

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