Lata Mangeshkar Medical Foundation’s

DEENANATH MANGESHKAR HOSPITAL & RESEARCH CENTRE

- **Year in which established**: April 2000
- **Status of the Hospital**: Voluntary Organization Public Charitable Trust Vide No. E – 3068 (Pune, India) dated 28.4.2000

Deenanath Mangeshkar Hospital (DMH) is a **450 beded multi-speciality hospital** and research center. Hospital’s new, super speciality building with **400 more beds** is under construction and is expected to complete by the end of year 2013.

**ALLIED SPECIALITY SERVICES AVAILABLE 24 HOURS A DAY**

**Microbiology, Biochemistry, Pathology, Histopathology, Endocrinology**
- Fully automated systems for biochemistry, hormones, viral markers and drug level assays
- State-of-the-art haematology analyser for accurate enumeration of blood cell including differential counts
- Well equipped histopathology unit including facilities like frozen section, immunohistochemistry, tumor markers and cytopathology
- Ultra modern microbiology laboratory equipped with an automated blood culture monitoring system (Bactec), PCR, MIGIT

**Genetic Diagnosis & Cytogenic Laboratory**
- Genetic diagnosis and counselling centre
- Prenatal diagnosis unit
- Cytogenetic laboratory
- Genetic studies on products of conception

**Radiology and Imaging**
- 64 Slice CT Scan
  - Fastest CT Scan (192 time faster than conventional scan)
  - ‘Coronary Angiography’ now possible on CT Scan
  - CT Simulation for Cancer Treatment Planning
  - Increased resolution with improved 3D Reconstruction

**SALIENT FEATURES**
- 70 bed ICU with High Frequency Oscillator - (Cardic Recovery, Ultra Modern PICU, HDU)
- Neonatal Intensive Care Unit with
  - Nitric Oxide
  - Sensor Medics High Frequency Oscillator HFOV
  - In house TPN
  - Bubble CPAP ad conventional CPAP
- Pioneers in EMS in India, EMS with Cardiac & Trauma Ambulances
- State-of-the-Art Digital Radiology & Imaging
- Ultra Modern Blood Bank with blood bag irradiator
- Kidney Transplant unit with Renal Dialysis facility
- Shockwave Lithotripsy
- Ayurved and Homeopathy wing
- Voice Clinic with video stroboscope
- 24 hour Pharmacy
- State-of-the-Art Cancer Centre
- Video Conferencing Facility
• Magnetic Resonance Imaging (1.5 Tesla MRI)
  - Radiation free
  - Best For Brain & Spine Imaging
  - Cancer metastasis screening
  - Cardiac functional studies
  - Cancer Treatment Planning

• Digital Radiology, Mammography, USG, Transrectal USG, Colour Doppler Endoscopic Ultra Sonography
  - 4th dimension in G.I. Endoscopy
  - Only centre in Pune & second in Maharashtra
  - Revolutionary technology for early & accurate diagnosis of Cancer of Oesophagus, Gall Bladder, Stomach & Pancreas, Biliary & Pancreatic Obstruction

Cardiac Centre
• Diagnostic Facilities – TMT, 2D Echo, Color Doppler, 24 Hrs. Holter Monitoring, TEE Cardiac Catheterisation Laboratory
  - Diagnostic & Therapeutic Interventional Cardiology
  - Angiography
  - Angioplasty
  - Pacemaker implants

• Philips Allura Fd-10 Flat Detector Digital Cathlab
  - Stent Boost Software – for better stent imaging
  - Cordis – 44 Channel EP System
  - High Resolution Images

• Cardiothoracic & Vascular Surgery
  - Open Heart Surgery
  - Beating heart Surgeries
  - Aneurysms
  - Valve Replacement
  - By Pass (CABG)
  - Lung Surgeries
  - Paediatric cardiac surgeries
  - Peripheral Vascular Surgeries

Joint Replacement
• Primary and Revision Joint Surgery
  - TKR
  - THR
  - ELBOW
  - SHOULDER
  - OT with laminar airflow & special Hepa Filter
  - Computer guided navigation system
  - Usage of space suite
  - State of the art Physiotherapy & Rehabilitation Dept.

IVF
• State of the Art IVF laboratory
• Dedicated team of qualified doctors & embryologist
• Professional & trained staff

Voice Clinic
• Digital Video Stroboscope for assessment and recording of the vibratory patterns of the vocal folds
• Rigid and flexible endoscopy for visual assessment of the vocal cords
and the whole larynx

- Acoustic analysis of the voice signal (Multi Dimensional voice profile (MDVP) voice software) EGG (Electroglottography)
- Perceptual assessment of the disordered voice
- EMG (Electromyography)
- Voice therapy
- Phono (Voice) surgery
- Voice laser Surgery
- Voice rehabilitation

**Cancer Centre**

- Medical Oncology
  - Solid Tumour Chemotherapy
  - Haemato Oncology
  - Paediatric Oncology
- Surgical Oncology
  - Oral Malignancies
  - Colon
  - Breast
  - Cervix
  - Head & Neck
  - Rectum
  - Uterus
  - Thoracic & Endocrine Surgery
- Radiation Oncology
- State-of-the-Art Technologies in Cancer Centre
  - Linear Accelerator
    - High Energy Radiation (6 / 15 MV)
    - Precise/Conformal Radiation (3D – CRT)
    - Use of Multi-leaf Collimator, Define the Radiation beam to the tumor and minimize damage to normal organs
  - Intensity Modulated Radiotherapy
    - First of its kind in Pune, Second in Maharashtra
  - High Dose Rate Brachytherapy
    - 18 Channel brachytherapy
    - In – contact Radiation
    - Iridium 92 Radio – isotope radiation
    - Safest and Accurate radiotherapy
    - Latest Treatment Planning and Simulation Softwares
  - Bone Marrow Transplant
    - Ultra sterile facility for bone marrow transplant
    - Use of Laminar flow air Conditioning

**Other Speciality Services Available**

- Infectious Disease
- Nephrology
- Neurology
- Neuropsychiatry
- Neurosurgery
- Ortho oncosurgery
- Paediatric Cardiology
- Paed Neurology
- Paed. Oncology
- Pediatric Surgery
- Plastic Surgery & Cosmetic surgery
- Rheumatology
- Spine Surgery
- Surgical Oncology
- Urology & Urosurgery
DMH has several POST GRADUATION COURSES, namely, 'Diplomat of National Board' (recognised by Medical Council of India) being administered by National Board of Examiners, for last 12 years, as follows:

- DNB Medicine
- DNB OBGYN
- DNB General Surgery
- DNB Ophthalmology
- DNB Orthopaedics
- DNB Paediatrics
- DNB Radiology
- DNB Family Medicine
- DNB Pathology
- DNB Urology
- DNB Cardiology
- DNB Plastic Surgery
- DNB Anaesthesia
- DNB ENT
- Critical Care Fellowship

Physical Infrastructure for teaching students:
- Conference hall with seating capacity of 300 seats with public address system
- Three Seminar rooms with 50 seating capacity for all teaching activities
- Different, modern audio visual aids are available in the teaching areas

DEPARTMENT OF EMERGENCY MEDICINE

Number of beds
- 12 + Minor OT, separate pediatric ER (Once the new building is ready in a few months, our department will have more beds)

Patient load
- Approximately 25000 patients per year
- It’s an extremely busy emergency room where the students will be exposed to a variety of cases involving different disciplines.

Following is a list of just a few:
- Cardio respiratory Arrest
- CVA, TIA
- Altered mental status and coma
- Seizures
- Chest pain
- Acute Coronary Syndrome
- Cardiac Arrhythmias
- Pulmonary embolism
- Acute Breathlessness
- Pneumonia
- Pulmonary oedema
- Pneumothorax
- Various Infectious diseases including Aids, Tuberculosis, malaria, meningitis etc
- Dissection of Aorta
- Hypoglycemia, D.K.A, Diabetic foot
- Electrolyte Imbalance
- Alcohol intoxication / Withdrawal
- Polytrauma
- Abdominal pain
- Acute Gastroenteritis
- D.V.T
- Headache
- Low-back ache
- Pediatric Emergencies
- Obstetric and Gynecological Emergencies
- Ingestion of Poison, Suicidal attempts
- Domestic Injuries
- Workplace Injuries including crush injuries

Teaching Staff
- HOD Emergency - Dr. Sonal Utpat - MD, Internal Medicine with 22 yrs of experience (13 yrs of experience in the USA)
- PG Teachers
  - Dr Prasad Rajhans MD. Anaesthesia, FICCM
  - Dr Sameer Jog MD. Medicine, Critical care (IDCCM)
  - Dr Bhagyashree Bhurke MD. Medicine, Critical care (IDCCM)
  - Dr Shailaja Chavan MD. Medicine
  - Dr Atul Tungikar DNB. Family Medicine
  - and others

INFRASTRUCTURE - Emergency Room Equipments
- Multi channel Monitoring
  - Pulse Oxymetry
  - ECG Monitoring
  - Noninvasive BP Monitoring
  - Invasive Haemodynamic Monitoring
  - PCWP/Cardiac output Monitoring
- Bedside EEG Monitoring
- Mechanical Ventilators
- Non-invasive Ventilators
- Crash Intubation Equipment
- Crash Resuscitation Equipment
- Defibrillators
- 12 ECG Machine
- Temporary pacing in ICU Transcutaneous
- Volumetric/Syringe infusion Pumps
- Right next to ER is our Emergency X-ray and USG department
MACEE
at Deenanath Mangeshkar Hospital (DMH), Pune

- **Curriculum and content of the course:**
  Information about the curriculum, the exams, exam fees and dates, rules and regulations of the course and all other details related to the course are given on the college web site.

- **Eligibility Criteria**
  Candidate must have MBBS degree from an MCI recognised medical college and a permanent registration to practise in India.

- **Process of DMH for selection of trainees for the course:**
  There will be an oral interview of the candidate by a panel of physicians from different specialties.

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Erandawne, Pune 411 004. Tel.: 020 40151000
Email: info@dmhospital.org Website: www.dmhospital.org

SEND YOUR CV TO
Dr. Sonal Utpat
HOD, Department of Emergency Medicine
Deenanath Mangeshkar Hospital,
Erandwane, Pune - 411004.
Email - drsonalutpat@gmail.com