

OBJECTIVE OF MEDICAL GRADUATE TRAINING PROGRAMME

GOALS:

The MBBS program offered at AMCRC is designed to produce physicians who are knowledgeable of the principles of modern medical science and who have mastered the art of critical thinking in the clinical decision-making process in order to engage in the practice of medicine as competent professionals.

We, at AMCRC, magnificently transform a medical student into a young professional, who by the end of the program should be able to:

- a) identify themselves as medical professionals dedicated to the ethical and social principles of the profession with lifetime commitment to continued learning
- b) recognize 'health for all' as a national goal, and utilise their acquired medical skills to fulfil the right to quality health care of all citizens, which ultimately leads to the realisation of the national goal
- c) develop the right attitude and practice professional values so as to achieve high standards of medical practice
- d) apply his/her medical skills and achieve competence in the particular area encompassing preventive, curative, and rehabilitative aspects of common diseases
- e) become an exemplary citizen by developing sensitivity towards the need to address and resolve health disparities at all levels and through observation of medical ethics and fulfilling social and professional obligations with extreme compassion
- f) to carry out independently the responsibilities of a physician and to develop further knowledge and skills in order to adapt to the changes in the practice of medicine throughout his/her professional career

INSTITUTIONAL GOALS:

Our institution aims at creating a new generation of medical community with thorough knowledge and the highest level of compassion, dedicated to the transformation of the country by eliminating health disparities and finding solutions through research and public health programs for medical problems.

We trust the above mission can be achieved through the following institutional goals:

- a) creating a healthy and competent environment that inculcates the ethical values and principles of medical profession and that is supportive of achieving the potential of students to the fullest capacity
- b) forming a curriculum that is at par with the professional standards with emphasis on knowledge, skills, as well as attitude
- c) grooming the students with the best innovative teaching methods and world class faculty along with the latest technology
- d) assessing the performance of students and the faculty through assessment systems updated every now and then
- e) instilling the importance of research for the nation as well as the world as a whole
- f) attracting young individuals with the yearning for lifelong learning and commitment towards medical profession
- g) creating and sustaining alumni groups that in turn enhances the brand value of the institution
- h) forming and maintaining partnership with the aim of maximising academic benefits

We make all efforts to equip the medical graduate for acquiring the following skills:

- I. Clinical Evaluation:
 - i. To be able to take a proper and detailed history

- ii. To perform a complete and thorough physical examination and elicit clinical signs
 - iii. To be able to properly use the Stethoscope, Blood Pressure Apparatus, Auroscope, Thermometer, Nasal Speculum, Tongue Depressor, Weighing Scales, Vaginal Speculum, etc.
 - iv. To be able to perform internal examination - Per Rectum (PR), Per Vaginum (PV) etc.
 - v. To arrive at a proper provisional clinical diagnosis
- II. Bed side Diagnostic Tests:
- i. To do and interpret Haemoglobin (HB), Total Count (TC), Erythrocytic Sedimentation Rate (ESR), Blood smear for parasites, Urine examination / albumin / sugar / ketones / microscopic
 - ii. Doing Stool exam for ova and cysts
 - iii. Doing Gram staining and Siehl-Nielsen staining for AFB
 - iv. To do skin smear for lepra bacilli
 - v. To do and examine a wet film vaginal smear for Trichomonas
 - vi. To do a skin scraping and Potassium Hydroxide (KOH) stain for fungus infections
 - vii. To perform and read Mantoux Test
- III. Ability to Carry Out Procedures:
- i. To conduct CPR (Cardiopulmonary resuscitation) and First Aid in newborns, children, and adults
 - ii. To give Subcutaneous (SC) / Intramuscular (IM) / Intravenous (IV) injections and start Intravenous (IV) infusions
 - iii. To pass a Nasogastric tube and give gastric leavage
 - iv. To administer oxygen-by masic/eatheter
 - v. To administer enema
 - vi. To pass a urinary catheter - male and female
 - vii. To insert flatus tube
 - viii. To do pleural tap, Ascitic tap, & lumbar puncture
 - ix. Insert intercostal tube to relieve tension pneumothorax
 - x. To control external Haemorrhage
- IV. Anaesthetic Procedures:
- i. Administer local anaesthesia and nerve block
 - ii. Secure airway potency, administer oxygen by Ambu bag
- V. Surgical Procedures:
- i. To apply splints, bandages and Plaster of Paris (POP) slabs
 - ii. To do incision and drainage of abscesses
 - iii. To perform the management and suturing of superficial wounds
 - iv. To carry on minor surgical procedures, e.g. excision of small cysts and nodules, circumcision, reduction of paraphimosis, debridement of wounds, etc.
 - v. To perform vasectomy
 - vi. To manage anal fissures and give injection for piles
- VI. Mechanical Procedures:
- i. To perform thorough antenatal examination and identify high risk pregnancies
 - ii. To conduct a normal delivery
 - iii. To apply low forceps and perform and suture episiotomies
 - iv. To insert and remove IUD's and to perform tubectomy
- VII. Paediatrics:
- i. To assess newborns and recognise abnormalities and I.U. retardation
 - ii. To perform immunization
 - iii. To teach infant feeding to mothers
 - iv. To monitor growth by the use of 'road to health chart' and to recognize development retardation
 - v. To assess dehydration and prepare and administer Oral Rehydration Therapy (ORT)

- vi. To recognize ARI clinically
- VIII. ENT Procedures:
 - i. To be able to remove foreign bodies
 - ii. To perform nasal packing for epistaxis
 - iii. To perform tracheotomy
- IX. Ophthalmic Procedures:
 - i. To invert eye-lids
 - ii. To give subconjunctival injection
 - iii. To perform appellation of eye-lashes
 - iv. To measure the refractive error and advise correctional glasses
 - v. To perform nasolacrimal duct syringing for potency
- X. Dental Procedures:
 - i. To perform dental extraction
- XI. Community Health:
 - i. To enable them to supervise and motivate, community and para-professionals for corporate efforts for health care
 - ii. To carry on managerial responsibilities, e.g. Management of stores, identifying and stock keeping and accounting
 - iii. Planning and management of health camps
 - iv. Implementation of national health programs
 - v. To effect proper sanitation measures in the community, e.g., disposal of infected garbage, chlorination of drinking water
 - vi. To identify and institute various control measures for epidemics including its proper data collection and reporting
- XII. Forensic Medicine including Toxicology:
 - i. To identify and institute various control measures for epidemics including its proper data collection and reporting
 - ii. To be able to carry on proper medico-legal examination and documentation of injury and age reports
 - iii. To be able to conduct examination for sexual offences and intoxication
 - iv. To be able to preserve relevant ancillary material for medico-legal examination
 - v. To be able to identify important post-mortem findings in common unnatural deaths
- XIII. Management of Emergency:
 - i. To manage acute anaphylactic shock
 - ii. To manage peripheral vascular failure and shock
 - iii. To manage acute pulmonary oedema and LVF
 - iv. Emergency management of drowning, poisoning, and seizures
 - v. Emergency management of bronchial asthma and status asthmaticus
 - vi. Emergency management of hyperpyrexia
 - vii. Emergency management of comatose patients regarding airways, positioning prevention of aspiration and injuries
 - viii. Assess and administer emergency management of burns