

Faculty of Emergency Medicine



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Zydus Hospital was established with a vision to be the leading provider in healthcare service delivery to the community and is now the most preferred destination for comprehensive medical care and treatment.

On a mission to extend the world-class healthcare solutions to the community through advances in medical technology, medical research and best management practices, Zydus Hospital has all major medical specialities, investigative and diagnostics facilities, rehabilitation and physical therapy care under one roof.



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More about college & MRCEM follow link <http://www.rcem.ac.uk/training-exams>

Emergency Medicine Course MRCEM (UK)



A field of practice based on the knowledge and skills required for the prevention, diagnosis and management of acute and urgent aspects of illness and injury affecting patients of all age groups with a full spectrum of undifferentiated physical and behavioral disorders. It further encompasses an understanding of the development of pre-hospital and in-hospital emergency medical systems and the skills necessary for this development.

The Department of Emergency Medicine is committed to delivering exceptional education to faculty, residents, medical students, and physician extenders.

The flagship of our educational program is our program residency in MRCEM (UK), Emergency Medicine. This highly competitive,

three-year program is designed to provide state-of-the-art clinical and academic training to the future leaders of emergency medicine. Our weekly academic lecture and conference series features an innovative and comprehensive curriculum as well as nationally recognized guest speakers. The clinical training environment offers unparalleled experiences in critical care resuscitation, acute medicine, pediatrics, and trauma. We provide structured experiences in Toxicology, point of care Ultrasound, and Emergency Radiology along with the flexibility to pursue numerous electives.

We also conduct Diploma in Emergency Medicine 1 year program.

Residency Curriculum:

First Year: The first year of training provides residents with the skills and knowledge they need to become well-rounded physicians. A unique aspect of the first-year curriculum is the orientation program, which takes place in beginning of the year.

During the orientation month, the first-year resident spends clinical time in the emergency department (ED) and attends a special lecture/hands-on series intended to orient the resident to emergency medicine. Outside of the orientation month, first-

year residents receive clinical training in a number of specialty areas including emergency medicine, airway management, burns, ultrasound, ophthalmology, ENT, trauma, medical, surgical and cardiac intensive care, pediatric emergency medicine, and obstetrics. While assuming primary responsibility for patient care, first-year residents also receive close supervision and clinical teaching designed to permit them to reach their full potential as physicians.

Second Year: The second year of training builds on the foundation established during the first year. Residents gain experience in caring for critically ill patients and receive specialized training in pediatric, anesthesia and intensive care, trauma, and EMS.

Second-year residents also begin to assume responsibility for educating medical students. At the end of this year, residents are well prepared to handle most emergency situations.

Third Year: Third-year residents hone their clinical skills and continue the training needed to become qualified Emergency Medicine specialists. Residents continue to work in both academic and community settings, assuming greater responsibility for patient care. Each resident also serves as a Senior Administrative Resident (SAR). The SAR functions as a junior attending physician, developing teaching, supervisory and department management skills.

About the Department : 20 bedded state of the art emergency department, including barrier (Isolation), procedure room, plaster room, emergency OT & decon room.

MRCEM Examinations: Its based on the Royal College of Emergency Medicine curriculum. It offers an opportunity for the candidate to demonstrate both the breadth of his or her knowledge of Emergency Medicine as well as the application of the knowledge to common clinical scenarios. The candidate must be able to demonstrate good communication skills and knowledge of Emergency Medicine.

The examination is competency-based and assesses knowledge, skills and behavior necessary for the successful clinical practice of Emergency Medicine.

The areas assessed will include systematic approach to undifferentiated unstable patients for all age groups.

The examination consists of 3 parts: PART A, B & C

Part A : Its the basic examination which is based on basic medical knowledge. The theory exam consists of 180 questions, each with four stems to be marked Single Best Answer. Its not negatively marked. The syllabus contains basic sciences as applied to Emergency Medicine: Anatomy, Physiology, Biochemistry, Pharmacology, Pathology, Microbiology, Evidence based medicine and Statistics (Syllabus for Part A is available on College Website : link <http://www.rcem.ac.uk/training-exams>).

Exam Duration 3 hours. Exam centres in India are Hyderabad, Chennai and New Delhi. Conducted two times in an year in the month of June and December. Candidates are awarded either Pass or Fail. After successfully clearing this examination candidate can apply for Part B and C examinations.

Part B : The theory paper examines data interpretation skills and consists of 60 short answers based questions, total 180 marks, duration 3 hours. The questions presents a clinical scenario and may have clinical data including radiographs, CT scans, ECGs, blood test results and clinical photographs. The exam is conducted twice in an year.

Candidates are awarded Pass or Fail. Exam prerequisite are that candidates must have passed Part A and completed two years on Emergency Medicine Rota in a recognised institution.

Part C: Practical exam consists of 18 Objective Structured Clinical Examination (OSCE) stations that assesses knowledge, psycho motor ability, interpersonal skills (including communication and conflict resolution), professional behavior and clinical decision making skills. All exams will be conducted by RCEM examiners. Successfully completed all parts or examination will be awarded MRCEM qualification by RCEM.

Eligibility to join residency at Zydus:

- Must have completed MBBS and internship in an institute recognized by MCI
- Must have a valid MCI registration.
- Duration of Residency 3 years full time

Academic Schedule and Mode of Training: There will be a weekly academic schedule may differ according to hospital's education plan. But will include regular theory and practical classes aimed at imparting training as described below: The mode of training is predominantly self directed and work based learning. The methods as recommended by the RCEM are implemented but limited to the following:

- Learning from practice.
- Learning from trainers either by working alongside or in a specified one to one teaching.
- Learning from formal situations such as group teaching
- within the department and regional teaching programmes.
- Learning opportunities outside the department include Life Support courses and skills lab based teaching.
- Focused personal study outside of contracted hours is essential.
- Educational strategies that are suitable for work based experimenting learning include use of Log books and personal audit. Trainees should participate in journal clubs and case presentation.

Nearly all specialized training is centered in the emergency department. An understanding of the care received beyond the Emergency Department is important and is best obtained by being part of the team responsible for both care in the department and following the patient through the first 4 to 6 hours of their in-patient care. Some areas of practice require dedicated time outside of the department prior to practicing such skills within it e.g. Anesthesia, Critical care, Radiology, Paediatrics etc.