



**FELLOWSHIP IN
EMERGENCY MEDICINE
EDITION II**

ABOUT MEDVARSITY

Asia's Largest Healthcare EdTech Company

Medvarsity is Asia's largest healthcare ed-tech company offering online and blended learning programs (Fellowship, Post-Graduate Programs and Certificate courses) for healthcare professionals. In the last five years, we have positively impacted the careers of over five lakh healthcare professionals across 192+ countries. We are a team of 300 high-energy professionals of which more than 120 team members have joined us in the last 12 months. Today, we cater to the requirements of both healthcare professionals as well as non-clinicians ensuring industry demand and skilled workforce are in a perfect state of equilibrium.

Medvarsity has won several accolades for contribution to healthcare education and healthcare technology. In 2022, Entrepreneur India and the Ministry of Electronic and Information Technology awarded us with the Best Ed-tech Deployment for higher education. In 2021, Medvarsity won Asia's Greatest Brands in education and ed-tech, an award by Asia One magazine. We are here to partner with you through that journey.



ALUMNI

5,00,000+ medical professionals
trained and certified



COURSES

200+ courses in clinical,
management and administration



PARTNERS

Global universities and industry
leaders



PRESENCE

Students and partners from
190+ countries

FELLOWSHIP IN EMERGENCY MEDICINE EDITION II

The Fellowship in Emergency Medicine Edition II is the only specialisation that allows you to gain expert knowledge in an assortment of clinical areas within a short time period. This course provides you with a comprehensive and holistic understanding of delivering medical care not only in the emergency room but also in the ICU and other areas like trauma, cardiac, toxicology and environmental crisis.

Along with offering exposure to all clinical departments, this course will further enable you to confidently handle cases in a clinical setting.

The fellowship program, certified by Royal Liverpool Academy, CPD and Medvarsity, has been created under the aegis of Course Faculties, Dr. Arpan Guha, Dr. B.V. Purohit and Dr. Abraham Oomman.



DR. ARPAN GUHA

COURSE FACULTY

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Royal | Liverpool | Academy

The Academic centre of the Royal Liverpool and
Broadgreen University Hospitals NHS Trust



THE CPD STANDARDS OFFICE
CPD PROVIDER: 50335
2021-2023
www.cpdstandards.com

COURSE FEE

₹1,51,750 + GST

PROGRAM DETAILS

HIGHLIGHTS

- 12-month clinical training in leading hospitals performing: Lumbar puncture, chest drainage, needle/tube thoracostomy, splinting/reduction of dislocations, IV cannulization, suturing & wound care, basic/advanced wound care, nasal packing, spinal immobilization, etc.
- 1-day simulation training in mechanical and non-invasive ventilation
- Foundation course for Membership of College of Emergency Medicine, UK

CONTACT PROGRAM

- Learn clinical skills and hands-on techniques with rotational internships.
- Training in medical and surgical emergencies in a systematic manner.
- Guidance by lead doctors and industry leaders.

CERTIFICATION

- Each module is followed by an online test
- On completing the course, contact program and passing final assessment, the student will be awarded a Fellowship in Emergency Medicine

ELIGIBILITY

MBBS graduates

COURSE

OUTLINE

Module 1 – Introduction & Overview

- Emergency Medicine Department – Organization of EMD, Organization of Emergency MS, Disaster management
- Legal Aspects of Emergency Medicine – Introduction (Content Edited)**

Module 2 – Airway Management

- Airway Management – Introduction
- Mechanical Ventilation – Introduction, Specific Modes of Ventilation, General Classes of Ventilators, Noninvasive ventilation, Weaning

Module 3 – Trauma & Orthopaedics

- Trauma Emergencies – General Approach to a Trauma Patient, Traumatic Shock, Hypovolemic Shock, Thoracic Shock, Stab Wounds, Pelvic Trauma, Genitourinary Trauma, Pediatric trauma, Trauma in Pregnancy, Penetrating & Blunt Neck Trauma
- Emergency Department Imaging – Emergency Department Sonography, Diagnostic Imaging in Emergency Medicine
- Neurology in Trauma – Management of Head Injuries, Cerebral Protection in Head Injuries, Spinal Injuries

COURSE

OUTLINE

Module 4 - Orthopedic Emergencies

- Types of Orthopedic Emergencies, Fractures, Hand and Wrist Injuries, Hand Injuries, Wrist Injuries, Forearm, Elbow, Upper Arm and Shoulder Injuries, Pelvis, Hip and Femur Injuries, Lower Leg and Ankle Injuries.
- Complications of Orthopedic Injuries, Basic Management of Orthopedic Emergencies

Module 5 - Wounds & Analgesia

- Principles of wound management, Methods of wound closure, Local and Regional anesthesia, Bedside anesthesia in emergency department and Pain management

Module 6 - Medical Emergencies

- Cardiac Emergencies: Approach To Chest Pain, Cardiogenic Shock, Congestive Cardiac Failure or Acute heart failure, Acute Coronary Syndrome, Syncope and Cardiac Arrhythmias
- Respiratory Emergencies: Acute Respiratory Failure, Asthma and Bronchial Asthma, Chronic Obstructive Pulmonary Disease (COPD), Hemoptysis, Pneumonia, Non-Cardiogenic Pulmonary Edema, Pleural Effusions and Pneumothorax, Mycobacterial Emergencies

COURSE

OUTLINE

- Endocrine Emergencies: Hypoglycemia, Diabetic Ketoacidosis, NKH Coma (Nonketotic Hyperosmolar Coma), Alcoholic Ketoacidosis, Lactic Acidosis, Thyroid Storm and Myxedema Coma, Adrenal Crisis
- Neurological disorders: Altered Mental Status and Coma, CNS Infections, Stroke Emergencies, Anorexia Nervosa and Bulimia Nervosa, Panic Disorder, Depression and Suicide, Septic Shock
- Renal Emergencies: Acid Base Balance and Interpretation of Blood Gas Results, Electrolyte Disorders, Acute Renal Failure, Chronic Renal Failure, Acute kidney injury, Urinary Tract Infections, Urinary Retention
- Gastrological and Hepatic Emergencies: Inflammatory Bowel Disease, Diverticulitis, Hepatitis, Management of Acute Bleeding Esophageal Varices, Liver Cirrhosis

Module 7 - Surgical Emergencies and Transfusion Emergencies

- Surgical Emergencies: Abdominal Trauma, Acute Appendicitis, Acute Cholecystitis, Acute Pancreatitis, Anorectal Disorders- Hemorrhoids and Anal fissure, GI Foreign Bodies, Oropharyngeal Foreign Bodies, Rectal Foreign Bodies, Abdominal Aortic Aneurysm [AAA], Acute Mesenteric Ischemia [AMI], Intestinal Obstruction, Surgical Emergencies of Bowel, Genital Lesions (Content Edited)**
- Transfusion Emergencies: Blood Transfusion

COURSE

OUTLINE

Module 8 - Obstetric, Gynecologic Emergencies and Pediatric Emergencies

- Pelvic Pain, Ectopic Pregnancy, Vaginal Bleeding during Pregnancy, Hypertension in Pregnancy, Emergency Delivery, Vaginitis, cervicitis and Pelvic Inflammatory Disease, Amenorrhea, Sexual Assault
- Approach to Ill Pediatric Patient, Pain, Sudden Infant Death syndrome, Ingested Foreign Bodies, Respiratory Tract Infections, Bronchiolitis, Pharyngitis, Epiglottitis, Pneumonia Syndrome, Otitis Media, Congenital Heart Disease, Kawasaki Disease, Bacteremia, Meningitis and sepsis, GIT Disorders, Intestinal Obstruction, Incarcerated hernia, Pyloric Stenosis, Intussusception, Seizures, Meckel`s Diverticulum, Appendicitis, Status Epilepticus, Child Abuse

Module 9 -Ear and Eye Emergencies

- Otolaryngologic Emergencies –Obstruction Due To Foreign Body, Epistaxis, Anterior Epistaxis, Posterior Epistaxis, Nasal Fracture
- Ophthalmic Emergencies – Corneal Abrasion, Glaucoma, Red Eye

COURSE

OUTLINE

Module 10 - Toxicology

- Approach to the Poisoned patient
- Antidotes commonly used in Overdoses
- Treatment of Hypotension Associated with Drug Poisoning
- Carbon Monoxide Poisoning
- Illicit Drug & Controlled Substances of Abuse
- Alcohol Withdrawal
- Digitalis Toxicity
- Calcium Channel Blocker Toxicity
- Acetaminophen Hepato-Toxicity
- Salicylate Overdose
- Tricyclic Antidepressant Overdose
- Monoamino Oxidase Inhibitor Overdose
- Arsenic Poisoning
- Cyanide Poisoning
- Iron Poisoning
- Serum Osmolality
- Ethanol Poisoning
- Ethylene Glycol Poisoning
- Poisoning Management

COURSE

OUTLINE

Module 11 - Environmental Emergencies

- Environmental Emergencies – Frost bite, Heat Exhaustion & Heat Stroke, High Altitude-Pulmonary Symptoms, High Altitude cerebral Symptoms, Hypothermia
- Burns – Chemical Burns, Electrical Burns, Lightning Burns, Thermal Burns
- Dive Emergencies – Barotrauma, Near Drowning
- Emergency Department Anaphylaxis
- Bee Sting and Insect Bites
- Bites: Animal Bites, Human Bites
- Snake Bite Emergency First Aid Information



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