



Certificate of Essential Emergency Medicine Syllabus

Airway Emergencies :

In this Airway Module the below mentioned topics are covered - Basic Airway Management, Anatomy and Pathophysiology of Airway, Basic concepts of airway management in emergency department, Emergency Airway Principles, Oxygen delivery devices and bag mask ventilation, Drugs for Intubation and Ventilation, Endotracheal Intubation.

Credit Points : 11

Arterial Blood Gas Analysis :

In this Module the below mentioned topics are covered -Arterial Blood Gas analysis, Respiratory Acid base disorders, Metabolic Acid Base disorders.

Credit Points : 4



E- College Of Critical Care Medicine Syllabus



Acute Respiratory Failure :

In this Module the below mentioned topics are covered - Pathophysiology of Pulmonary gas exchange, Determinants of Oxygenation and ventilation, Non-Invasive Ventilation, Invasive Ventilation, General care of ventilatory patients.

Credit Points : 6

Pulmonary Emergencies :

In this Module the below mentioned topics are covered - Managing a Severe Bronchial Asthmatic, Managing Acute Exacerbation of Chronic Obstructive Pulmonary Diseases, Managing Severe Community Acquired Pneumonia, Managing Severe hospital acquired pneumonia, Managing case of Acute Pulmonary Embolism, Bedside Ultrasound lungs in Emergencies.

Credit Points : 12

Cardiovascular Emergencies :



E- College Of Critical Care Medicine Syllabus



In this Module the below mentioned topics are covered - Managing a patient in shock, Fluid Resuscitation in emergencies- Which one, How much?, Cardio Pulmonary Interaction, Managing Patient with Acute heart failure, Managing case of Acute Pulmonary Embolism, Hypertensive emergencies, Acute Coronary Syndrome – ST Elevation Myocardial infarction, Acute Coronary Syndrome – Non ST Elevation Myocardial infarction, Cardiogenic Shock.

Credit Points : 17

Neuro Critical Care Medicine :

In this Module the below mentioned topics are covered - Assessing a Comatose patient, Managing of Acute Stroke - Ischemic, Managing of Acute Stroke - Haemorrhagic, Managing Status Epilepticus, Managing Neuroinfectious - Acute Meningitis and Encephalitis.

Credit Points : 8

Toxicology and Traumatic Emergencies :

Spinal Trauma, Managing a Poisoned Patient, Managing a patient with burns.

Credit Points : 7



E- College Of Critical Care Medicine Syllabus



Infectious Diseases & Critical Care :

In this Module the below mentioned topics are covered - Importance of Blood Culture, Rationale Antibiotic Therapy, Managing Severe Community Acquired Pneumonia, Approach to Nosocomial Infections, Surgical site Infections, Managing Neuro infectious - Acute Meningitis and Encephalitis.

Credit Points : 13

Abdomen & Emergencies :

Upper Gastrointestinal Bleeding, Acute Pancreatitis, Gastro hepatic critical care, Acute Renal failure.

Credit Points : 4

Other Emergencies :

Managing DKA, Managing Eclampsia

Credit Points : 5