

FOUNDATION COURSE IN CRITICAL CARE (FCIC)

Conducted by Raymedi International Education

[Affiliated to International Board of Medicine and Surgery (IBMS), Florida, USA]

This foundation course is primarily targeted for training Intensivist aspirants, Anaesthesiologists, General Physicians, Emergency Physicians, Medical students and also Nurses, aspiring to treat the critically ill.

In addition, this course also focuses on Paramedics and Para-Professionals who are interested to acquire knowledge and be involved in the field of Critical Care Medicine.



OBJECTIVES

- To understand the basic concepts of Critical Care Medicine
- Early Identification of the underlying pathology, coupled with comprehensive approach to the critically ill
- Choosing pertinent investigations
- Anticipating life threatening complications earlier on and management
- Discussion with the relevant specialists about the further avenues of treatment

APPROACH

- Two day doctrinal lectures
- Skill stations, with hands-on learning
- Case discourse with the specialist
- Case scenario based group discussions amongst students
- Pre-test gauging and post-test appraisal of the student/delegate

TIMINGS	TOPICS	Timeline [Min]
DAY 1		
08:15 AM–08:30 AM	Registration and Inauguration	15
08:30 AM–08:45 AM	Introduction	15
08:45 AM–09:00 AM	Pre-Test Paper	15
09:00 AM–09:30 AM	Oxygen Delivery	30
09:30 AM–10:00 AM	Acute Respiratory Failure–Determinants of oxygenation & ventilation	30
10:00 AM–10:30 AM	Arterial Blood Gas Analysis: The 7-Step Approach	30
10:30 AM–11:00 AM	Basics Of Mechanical Ventilation	30
11:00 AM–11:30 AM	Non-Invasive ventilation in Acute Respiratory Failure	30
11:30 AM–11:45 AM	REFRESHMENTS	15
SKILL STATIONS		
11:45 AM–12:30 PM	Airway Management – Oral and Nasopharyngeal Airway, Facemask Ventilation, Oxygen Therapy, Tracheal Intubation, Supra-glottic airways	45
12:30 PM –1:15 PM	Mechanical Ventilation– Basic – Initiation, Basic Ventilator settings, Ventilator Graphics, Basic Modes, Alarm settings and troubleshooting, Weaning	45
01:15 PM–02:00 PM	Mechanical Ventilation Disease specific: COPD, Severe Acute Asthma and ARDS. Noninvasive Ventilation	45
02:00 PM–02:30 PM	LUNCH	30
02:30 PM–03:00 PM	Shock– An approach to management	30
03:00 PM–03:30 PM	Understanding Heart-Lung Interaction	30
SKILL STATIONS		
03:30 PM–04:10 PM	Cardio–Pulmonary Resuscitation–Basic Life Support, ACLS Algorithms	40
04:10 PM–04:50 PM	Central Line Placement : IJV and Subclavian Vein Insertion	40
04:50 PM–05:30 PM	CASE DISCOURSE 1: Poly–Trauma : Management of critically ill patient with Multi organ Dysfunction Syndrome.	40

TIMINGS	TOPICS	Timeline [Min]
DAY 2		
08:30 AM – 09:00AM	Acute Coronary Syndrome– STEMI and NSTEMI	30
09:00 AM– 09:30 AM	Acute Stroke : Initial Management of Ischemic Stroke, ICH and SAH	30
09:30 AM–10:00 AM	Acute Renal Failure – Prevention and Management	30
10:00 AM–10:30 AM	Management of Electrolyte & Metabolic Emergencies	30
10:30 AM–11:00 AM	Management of Acute Pancreatitis, Acute Gastro–intestinal Bleeding and Acute Liver Failure	30
11:00 AM–11:15 AM	REFRESHMENTS	15
SKILL STATIONS		
11:15 AM–12:00 PM	CASE DISCOURSE 2 : Septic Shock Resuscitation and Diagnosis Fluid therapy–choice and quantum, Vasopressors–choice and target, Assessment of volume status while ongoing Resuscitation, Screening and source control, De–resuscitation	45
12:00 PM–12:45 PM	CASE DISCOURSE 3: ABG Interpretation, Early Identification and Resuscitation (optional)	45
12:45 PM–01:30 PM	Prevention of Nosocomial Infection – VAP bundle, CRBSI bundle, UTI bundle, General care of ventilated patients	45
01:30PM–2:00PM	LUNCH	30
02:30 PM–03:00PM	Pregnancy and Critical Care (optional)	30
03:00 PM–03:30 PM	Acute Poisoning : Principles and Management	30
03:30 PM–04:00 PM	Ethical Issues & Counselling	30
04:00 PM–04:30 PM	POST-TEST	30
04:30 PM– 05:00 PM	Post test discussion and clear your doubts	30
05:00 PM– 5:30 PM	Refreshments, Certificates and Photo session	30

Facilitators & Critical care specialists



Dr. Guru Prasad
Intensivist



Dr. Ramakrishna M N
Intensivist



Dr. Manjunath K R
Cardiac Anesthesiologist



Dr. Mahadev K
Intensivist



Dr. Naganand K V
Intensivist



Dr. Laxmikant B S
Intensivist



Dr. Santhosh M O
Intensivist



Dr. Prashanth
Anaesthesiologist

Subject Experts



Dr. Dharmendra B L
Surgical Gastroenterologist



Dr. Vinayak K
Neuro Surgeon



Dr. Rajith K S
Interventional Cardiologist



Dr. Vidya K
Microbiologist

Course Directors



Dr. Raghunath Aladakatti
Program Director
Consultant Critical Care Medicine
IDCCM & FCCM Tutor
IBMS International Medical Licensee, USA



Dr. Antonio Da Costa,
Program Advisor
Domain Specialist-Neuropsychiatry Critical Care
Hon. Clinical Tutor, University of Liverpool,
The Walton Centre NHS Foundation Trust, Liverpool

Associate



Dr. David P. Kalin
MD MPH, IBMS Chairman

HIGHLIGHTS

- 01 Teaching faculty with 'Hands-on' experience and expertise beyond reproach!
- 02 'Star-of-Art' simulation lab!
- 03 Active interaction based discourse
- 04 Congenial leaning atmosphere
- 05 Certificates handed over on the day of the course completion itself!

OUTCOME

"Critical Care aspirants will receive training in an organized manner about basic concepts of critical care medicine, leading to increase in survival benefit, thereby reducing mortality and morbidity and ultimately, save precious lives!"