

CERTIFICATE COURSE IN BASICS OF CRITICAL CARE MEDICINE

BASICS OF MANAGING THE CRITICALLY ILL - A STRUCTURED PROGRAMME

AREAS COVERED

- Basics of Critical Care
- Trauma and Basics of Fluid Management
- Management of common poisoning
- Sepsis and Airway Management
- Invasive Mechanical Ventilation – Modes, Initiation, and Maintenance
- Managing Acutely Ill Scenarios & Nutrition in the Critically Ill

Total – 5 sessions

Over 6 - month duration

Each session on
last sunday of every month
Lectures and workstations
9 AM to 4 PM

Class schedule:

1. August	31-08-25
2. September	28-09-25
3. October	26-10-25
4. November	30-11-25
5. December	NO CLASS
6. January	25-01-26

CRITERIA | IMA Members Only

WHO CAN ATTEND

Clinicians who manage critically ill patients on a day-to-day basis including General physicians, Emergency physicians, Anesthetists, Surgeons, Nursing home owners, Post graduates of all Specialities and General Practitioners.

Course Fee: Rs. 35400/- (incl GST)

Account Name: Indian Medical Association AMS, Account No: 75260100001890, Bank: Bank of Baroda.

Branch: Ramnagar, Coimbatore, IFSC Code: BARBORAMNAG (fifth character is zero)

FOR MORE DETAILS CONTACT:

Dr. V. Rajesh Babu, Chairman, IMA AMS-9360030095

Dr. S. Jayaraman, Secretary, IMA AMS-9282103841

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Contact State Office at: 044-47797871 / 7338785360/9087180123

ORGANISED BY

INSTITUTE OF CRITICAL CARE MEDICINE
Royalcare Super Speciality Hospital

Neelambur, Coimbatore 641062



1. BASICS OF CRITICAL CARE (1ST MONTH)

LECTURE

1. Recognizing and assessing critically ill patients
2. Stabilizing critically ill patients
3. Judicious Use of invasive lines in critically ill- when, where and how?
4. Basic Life Support and Advanced Cardiac Life Support – Overview
5. Common electrolyte abnormalities and management

ADDRESS YOUR QUERIES: PANEL DISCUSSION

HANDS ON WORKSHOPS

1. Arterial Blood Gas (ABG) Interpretation
2. Radiology In ICU
3. Hands on BLS training
4. Hands on ACLS training
5. Arterial And Central Venous Line Set Up and Trouble Shooting

2. TRAUMA AND BASICS OF FLUID MANAGEMENT (2ND MONTH)

LECTURE

1. Key concepts of ATLS management- primary and secondary survey
2. Basics of trauma resuscitation- fluids, Blood and Blood products- which one, how much and when to use
3. Head and spinal Injury- Learning the basic concepts and management skills
4. Chest and abdominal Injury- Basics and pitfalls explained
5. Transport of Critically ill – Protocols and precautions

ADDRESS YOUR QUERIES: PANEL DISCUSSION

HANDS ON WORKSHOPS

1. Fluids use in critical care- crystalloids Vs. colloids
2. Scenario- chest Injury- ICD placement and flail chest management
3. Scenario- Spinal injury and more- identify, principles of care, applying neck collar, applying pelvic binder, identifying compartment syndrome and log roll demo
4. Scenario- transport of critically ill patients- Personnel, protocol, precautions to take and safety features

3. POISON MANAGEMENT and AIRWAY SKILLS for ICU (3RD MONTH)

LECTURE

1. Initial Assessment and decontamination methods in poisoning
2. Antidotes And General Critical Care Support
3. Commonly Encountered Poisoning and their management- OPC, Glyphosate, Aluminum phosphide and Paraquat
4. Commonly encountered poisoning and their management- Beta blockers, Calcium channel blockers, Plant poisons and Rat killer poison
5. Envenomation- protocolized management
6. Airway Management Skills for ICU

ADDRESS YOUR QUERIES: PANEL DISCUSSION

HANDS ON WORKSHOPS

1. Airway Assessment, Use of Airway Adjuncts and Bag and Mask Ventilation Practice
2. Oxygen therapy devices and intubation skills practice in mannequins
3. Decontamination Procedures- How is it done and What Not to Do?
4. Elimination techniques- Forced Alkaline Diuresis, Charcoal Hemoperfusion, and Hemodialysis
5. Basic ECMO Principles, Indications Explored and when to refer

4. SEPSIS AND MECHANICAL VENTILATION (4TH MONTH)

LECTURE

1. Basics of antimicrobial therapy
2. Identification, diagnosis and resuscitation in sepsis
3. How to reduce Hospital Acquired Infections in Day-to-day Practice and bundle management
4. Non-Invasive Ventilation – modes, initiation, and maintenance
5. Invasive Mechanical Ventilation – modes, initiation, and maintenance

ADDRESS YOUR QUERIES: PANEL DISCUSSION

HANDS ON WORKSHOPS

1. Septic Shock Management – Fluids, Inotropes and Vasopressors- Right Choices, Sepsis Bundles and how soon to achieve them ?
2. Choosing The Right Antibiotic, antibiogram interpretation and Antibiotic Stewardship
3. Management of patient of mechanical ventilation - humidification, suctioning, DVT prophylaxis and Nutrition
4. Hands-on-training on NIV, HFNO and various interfaces
5. Hands-on-training on invasive mechanical ventilator

5. MANAGING ACUTELY ILL SCENARIOS AND NUTRITION IN CRITICALLY ILL (5TH MONTH)

LECTURE

- 1.Acute Coronary Syndrome- Early Detection, Biomarkers, Immediate Medical Therapy and Definitive Therapy, ECG Pitfalls
- 2.Diabetic Ketoacidosis (DKA) And Hyperosmolar Hyperglycaemic State (HHS / HONK)- Key Management Principles and their rationale
- 3.Acute Stroke- Early Detection, Imaging Modalities, Immediate Medical Management, Referral Criteria and Indications for thrombolysis / Endovascular therapy
- 4.Burns- Estimating Severity, Fluid Management, Renal Protection and Immediate surgical indications
- 5.Peripartum Collapse- Common Causes, Step by Step Approach, Resuscitation Principles and Referral Criteria

ADDRESS YOUR QUERIES: PANEL DISCUSSION

LECTURES AND DEMO STATIONS

Upper GI bleed - interventions and gadgets use,

Pancreatitis - fluids, antibiotics, nutrition, imaging, ERCP and Surgery

Practical aspects of nutrition - Types of nutrition, when to initiate and routes ?

Practical aspects of nutrition - Feed Intolerance and trouble shooting

CRITICIMA

IMA AMS TNSB CRITICAL CARE WORKSHOP

This Programme has been organized by IMA AMS in association with
Royal care Super Speciality Hospital Ltd



Royal Care Super Speciality Hospital Ltd., 1/520, Neelambur, Sulur Taluk, Coimbatore-641062





IMA TNSB AMS COURSE
CRITICIMA-2025
APPLICATION FORM

Name (in Capital Letters) :

Date of Birth & Age :

Sex : Male / Female :

Father's / Husband Name :

Nationality :

Address :

Mobile No. : WhatsApp
No.....

E Mail id :

Medical Council Registration Number & Year :

IMA Local Branch :

IMA Life Membership No :

IMA AMS Membership No. :

Qualification :

Course fee : **Rs. 35400/- (Incl GST)**

D.D./UPI/Ref No. _____ Date _____ Bank _____ (Account details:-**"Indian Medical Association AMS"**, Ac No. **75260100001890**, Bank: **Bank of Baroda**, Ramnagar, Coimbatore branch, IFSC: **BARB0RAMNAG** (FIFTH CHARACTER IS ZERO) and inform State office.

Date :

Signature

(Filled form send to: Dr. S. Karthick Prabhu, Hony. State Secretary, IMA TNSB HQs., No.1, Doctors Colony 2nd Cross St., Bharathidasan Nagar Extn., Tambaram West, Chennai-45).

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