

## Module 3

122 Sessions

### Introduction to Critical Care

#### 01 General principles

Date  
Completed

##### 01 Recognition of the critically ill patient and role of intensive care

03_01_01	Predictors of critical illness, scoring systems and outcome from ICU	/	/	<input type="checkbox"/>
03_01_02	Critical Care Outreach Services	/	/	<input type="checkbox"/>
03_01_03	Overview of organ support	/	/	<input type="checkbox"/>
03_01_04	Overview of monitoring in Critical Care	/	/	<input type="checkbox"/>
03_01_05	The intensive care unit record	/	/	<input type="checkbox"/>

##### 02 Arterial cannulation and blood gas analysis

03_02_01	Indications and Complications of Arterial Lines	/	/	<input type="checkbox"/>
03_02_02	Arterial lines: technique of insertion	/	/	<input type="checkbox"/>
03_02_03	Arterial pressure monitoring	/	/	<input type="checkbox"/>
03_02_04	Blood Gas Analysis Respiratory Disorders	/	/	<input type="checkbox"/>

##### 03 Central venous cannulation

03_03_01	Indications for central venous cannulation	/	/	<input type="checkbox"/>
03_03_02	Complications of central venous cannulation	/	/	<input type="checkbox"/>
03_03_03	Techniques of insertion and routes for central venous cannulation	/	/	<input type="checkbox"/>
03_03_04	Ultrasound-guided central venous access	/	/	<input type="checkbox"/>
03_03_05	Central venous pressure monitoring	/	/	<input type="checkbox"/>
03_03_06	Venous blood gases analysis	/	/	<input type="checkbox"/>

##### 04 Ventilatory support

03_04_01	Oxygen Therapy	/	/	<input type="checkbox"/>
03_04_02	Non Invasive Respiratory Support	/	/	<input type="checkbox"/>
03_04_03	Ventilation - Basic Modes 1	/	/	<input type="checkbox"/>
03_04_04	Ventilation - Basic Modes 2	/	/	<input type="checkbox"/>
03_04_05	Initial settings (post op)	/	/	<input type="checkbox"/>
03_04_06	Ventilation in ARDS	/	/	<input type="checkbox"/>
03_04_07	Sedatives in ICU	/	/	<input type="checkbox"/>
03_04_08	Analgesia and the intensive care unit	/	/	<input type="checkbox"/>
03_04_09	Muscle relaxants in ICU	/	/	<input type="checkbox"/>
03_04_10	Management of sedation in ICU	/	/	<input type="checkbox"/>
03_04_11	Complications of mechanical ventilation	/	/	<input type="checkbox"/>
03_04_12	Clinical management of mechanical ventilation 1	/	/	<input type="checkbox"/>
03_04_13	Clinical management of mechanical ventilation 2	/	/	<input type="checkbox"/>
03_04_14	Weaning from mechanical ventilation	/	/	<input type="checkbox"/>
03_04_15	Monitoring respiratory function in ICU	/	/	<input type="checkbox"/>

##### 05 Tracheostomy

03_05_01	Tracheostomy: Indications and Technique	/	/	<input type="checkbox"/>
03_05_02	Management of tracheostomy	/	/	<input type="checkbox"/>
03_05_03	Types of tracheostomy tube	/	/	<input type="checkbox"/>

##### 06 General care of the ICU patient

03_06_01	Thromboprophylaxis in the Critically Ill	/	/	<input type="checkbox"/>
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03_06_02	Prevention of stress ulceration	/	/	<input type="checkbox"/>
03_06_03	Common electrolyte disorders (Na)	/	/	<input type="checkbox"/>
03_06_04	Common electrolyte disorders (K, Mg PO4)	/	/	<input type="checkbox"/>
03_06_05	Diabetes and control of blood sugar	/	/	<input type="checkbox"/>
03_06_06	Principles of nutrition in the critically ill	/	/	<input type="checkbox"/>
03_06_07	Chest X Ray interpretation in ICU	/	/	<input type="checkbox"/>

## 02 Clinical Problems in ICU

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### 07 Management of the postoperative patient

03_07_01	Indications for postoperative admission	/	/	<input type="checkbox"/>
03_07_02	Surgical considerations in ICU	/	/	<input type="checkbox"/>
03_07_03	Management of hypertension	/	/	<input type="checkbox"/>
03_07_04	Postoperative respiratory failure	/	/	<input type="checkbox"/>

### 08 Hypotensive Patient

03_08_01	Assessment and Resuscitation of a Shocked Patient	/	/	<input type="checkbox"/>
03_08_02	Classification of Shock	/	/	<input type="checkbox"/>
03_08_03	Cardiac output monitoring I	/	/	<input type="checkbox"/>
03_08_04	Cardiac output monitoring II	/	/	<input type="checkbox"/>
03_08_05	Vasoactive agents (inotropes)	/	/	<input type="checkbox"/>
03_08_06	Vasoactive agents (vasopressors)	/	/	<input type="checkbox"/>

### 09 Cardiogenic Shock

03_09_01	Management of Cardiogenic shock	/	/	<input type="checkbox"/>
03_09_02	Myocardial infarction	/	/	<input type="checkbox"/>
03_09_03	Heart failure	/	/	<input type="checkbox"/>
03_09_04	Recognition of cardiac arrhythmias	/	/	<input type="checkbox"/>
03_09_05	Management of arrhythmias	/	/	<input type="checkbox"/>

### 10 Hypovolaemic shock

03_10_01	Recognition	/	/	<input type="checkbox"/>
03_10_02	Management	/	/	<input type="checkbox"/>
03_10_03	Fluids in hypovolaemic shock I	/	/	<input type="checkbox"/>
03_10_04	Fluids in hypovolaemic shock II	/	/	<input type="checkbox"/>
03_10_06	Dilutional coagulopathy	/	/	<input type="checkbox"/>

### 11 Anaphylactic shock

03_11_01	Anaphylactic shock: the science	/	/	<input type="checkbox"/>
03_11_02	Acute management of anaphylactic shock	/	/	<input type="checkbox"/>

### 12 The Oliguric Patient

03_12_01	Assessment, Differential diagnosis and investigation	/	/	<input type="checkbox"/>
03_12_02	Prevention and non-dialytic management of acute kidney injury in the critically ill	/	/	<input type="checkbox"/>
03_12_03	Renal replacement therapies	/	/	<input type="checkbox"/>

### 13 The Breathless Patient

03_13_01	Hypoxaemic respiratory failure	/	/	<input type="checkbox"/>
03_13_02	Hypercapnic respiratory failure	/	/	<input type="checkbox"/>
03_13_03	Tension pneumothorax	/	/	<input type="checkbox"/>
03_13_04	Acute asthma	/	/	<input type="checkbox"/>
03_13_05	Chronic pulmonary obstructive disease and non-invasive ventilation	/	/	<input type="checkbox"/>

03_13_06	Community acquired pneumonia	/	/	<input type="checkbox"/>
03_13_07	Ventilator Associated Pneumonia	/	/	<input type="checkbox"/>
03_13_08	Pulmonary embolism	/	/	<input type="checkbox"/>

#### 14 Clinical Scenarios

03_14_01	Scenario - Tracheostomy problem	/	/	<input type="checkbox"/>
03_14_02	Scenario - The breathless patient	/	/	<input type="checkbox"/>
03_14_03	Scenario - Low urine output	/	/	<input type="checkbox"/>
03_14_04	Scenario - Liver disease	/	/	<input type="checkbox"/>
03_14_05	Scenario - Intraoperative hypotension	/	/	<input type="checkbox"/>
03_14_06	Scenario - Head injury	/	/	<input type="checkbox"/>

### 03 Sepsis and MOF

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#### 15 Patho-physiology

03_15_01	Definitions of sepsis	/	/	<input type="checkbox"/>
03_15_02	Pathophysiology of sepsis and MOF	/	/	<input type="checkbox"/>
03_15_04	Nosocomial infections and Infection Control	/	/	<input type="checkbox"/>

#### 16 Organ Failure

03_16_01	Acute respiratory distress syndrome	/	/	<input type="checkbox"/>
03_16_02	Septic shock	/	/	<input type="checkbox"/>
03_16_03	Acute kidney injury	/	/	<input type="checkbox"/>
03_16_04	Liver failure	/	/	<input type="checkbox"/>
03_16_05	Haematological problems in the critically ill	/	/	<input type="checkbox"/>

#### 17 Sepsis management

03_17_01	Assessment and differential diagnosis of sepsis	/	/	<input type="checkbox"/>
03_17_02	Sepsis resuscitation	/	/	<input type="checkbox"/>
03_17_03	Vasoactive agents in sepsis	/	/	<input type="checkbox"/>
03_17_04	Principles of antibiotic use	/	/	<input type="checkbox"/>

### 04 Unconscious patient

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#### 18 General principles

03_18_01	Coma: assessment/resuscitation/differential diagnosis	/	/	<input type="checkbox"/>
03_18_02	Examination of the unconscious patient (AVPU, GCS)	/	/	<input type="checkbox"/>
03_18_03	Causes and investigation of coma	/	/	<input type="checkbox"/>
03_18_04	Care of the unconscious patient	/	/	<input type="checkbox"/>
03_18_05	Management of seizures	/	/	<input type="checkbox"/>

#### 19 Head injury

03_19_01	Principles of the management of head injury and brain protection	/	/	<input type="checkbox"/>
03_19_02	Mechanisms and effects of raised intra-cranial pressure	/	/	<input type="checkbox"/>
03_19_03	Methods of preventing the 'second insult' to the brain	/	/	<input type="checkbox"/>
03_19_04	Anaesthesia in the head injured patient	/	/	<input type="checkbox"/>
03_19_05	Cervical spine injury	/	/	<input type="checkbox"/>

#### 20 Brain stem death

03_20_01	Confirmation of death by neurological criteria (brainstem death)	/	/	<input type="checkbox"/>
03_20_02	Organ donation and care of the organ donor	/	/	<input type="checkbox"/>
03_20_03	The grief response and bereavement care	/	/	<input type="checkbox"/>

## 21 Poisoning

03_21_01	General principles of poisoning	/	/	<input type="checkbox"/>
03_21_02	Management of common specific poisons	/	/	<input type="checkbox"/>

## 05 Trauma

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### 22 Primary and secondary survey

03_22_01	The primary survey	/	/	<input type="checkbox"/>
03_22_02	The secondary survey	/	/	<input type="checkbox"/>
03_22_03	Airway management in trauma	/	/	<input type="checkbox"/>
03_22_04	Management of spinal injuries	/	/	<input type="checkbox"/>
03_22_05	Emergency surgical airway	/	/	<input type="checkbox"/>

### 23 Life threatening injuries

03_23_01	Circulatory shock in trauma	/	/	<input type="checkbox"/>
03_23_02	Life-threatening thoracic injury	/	/	<input type="checkbox"/>
03_23_03	Seldinger pleural drain insertion	/	/	<input type="checkbox"/>
03_23_04	Surgical pleural drain insertion	/	/	<input type="checkbox"/>
03_23_05	Life threatening abdominal injury	/	/	<input type="checkbox"/>

## 06 Transfer Medicine

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### 24 Transfer of critically ill patient

03_24_01	Principles of safe transfer of patients	/	/	<input type="checkbox"/>
03_24_02	Physiological effects of patient transport: General principles	/	/	<input type="checkbox"/>
03_24_03	Physiological effects of patient transport: aeromedical considerations	/	/	<input type="checkbox"/>
03_24_04	Equipment and monitoring for patient transfer	/	/	<input type="checkbox"/>
03_24_05	Modes of transport	/	/	<input type="checkbox"/>
03_24_06	Organisation of transport services	/	/	<input type="checkbox"/>