

Cardiff MRCS OSCE Course: Applied Surgical Sciences and Critical Care

Date: 10th September 2020
Time: 0825 – 1830 hrs;
Venue: School of Biosciences, Cardiff University

COURSE PROGRAMME

0815 - 0820

Registration

MORNING SESSION

0820 - 0830

Welcome, Introduction and Format (Prof Stuart Enoch)

0830 - 0930

Physiological Principles in the Management of Trauma (Prof Stuart Enoch)

- Polytrauma
- Hypovolemic shock
- Splenic Injuries
- Long bone fractures
- Compartment syndrome
- Nerve injuries

0930 - 1040

Respiratory System (Dr Teresa Evans)

- Normal ventilatory cycle
- Controls of ventilation
- Causes and management of post-operative respiratory failure
- Indications for ventilatory support and weaning off ventilator
- Intermittent positive pressure ventilation
- Acute (adult) respiratory distress syndrome

1040 - 1100 hrs

Coffee Break

1105 - 1155

Management of Major Burns (Prof Stuart Enoch)

- Assessment
- Pathophysiology and principles of management
- Inhalation burns
- Fluids and Nutrition
- Indications for referral

1155 - 1215

Fluid Management and Renal Physiology (Prof Stuart Enoch)

1215 - 1230

Rhabdomyolysis (Prof Stuart Enoch)

1230 - 1315 hrs

Lunch Break

AFTERNOON SESSION

1315 - 1345	General Physiological Principles 1 (Dr Paul Morgan) <ul style="list-style-type: none">• Homeostasis, feedback loops• Applied acid-base balance
1345 - 1425	General Physiological Principles 2 (Dr Paul Morgan) <ul style="list-style-type: none">• Sepsis• Septic shock
1425 - 1505	General Physiological Principles 3 (Dr Paul Morgan) <ul style="list-style-type: none">• Bleeding• Coagulation/Anti-coagulation
1505 - 1525 hrs	Break
1525 - 1605	General Physiological Principles 4 (Dr Paul Morgan) <ul style="list-style-type: none">• Resuscitation• Temperature Regulation• Hypothermia
1605 - 1645	General Physiological Principles 5 (Dr Paul Morgan) <ul style="list-style-type: none">• Principles of Epidural Anaesthesia/Assessment• Pain pathways• Pre-op Assessment
1700 - 1735	Spinal Cord Injuries and Cord Syndromes (Prof Stuart Enoch) <ul style="list-style-type: none">• Cord compression; Conus medullaris and Cauda equina syndrome• Spinal and Neurogenic shock• Autonomic nervous system and bladder dysfunction• Spinal cord lesions and vascular conditions
1735 - 1800	Infection and Surgical Microbiology (Prof Stuart Enoch)
1800 - 1830	OSCE topics and Scenarios in Surgical Critical Care (Prof Stuart Enoch)
1830	END OF COURSE!