

Cardiff MRCS OSCE Course: Applied Surgical Sciences and Critical Care

Date: 25th January 2018
Time: 0825 – 1915 hrs;
School of Biosciences, Cardiff University

COURSE PROGRAMME

0815 - 0825

Registration

MORNING SESSION

0820 - 0830

Welcome, Introduction and Format (Prof Stuart Enoch)

0830 - 0900

General Physiological Principles 1 (Dr Paul Morgan)

- Homeostasis, feedback loops
- Applied acid-base balance

0900 - 0930

General Physiological Principles 2 (Dr Paul Morgan)

- Sepsis
- Septic shock

0945 - 1100

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

1100 - 1120

Coffee Break

1120 - 1200

Management of Burns (Prof Stuart Enoch)

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

1200 - 1300

Management of Trauma (Prof Stuart Enoch)

- Principles of management
- Long bone fractures
- Compartment syndrome
- Intraabdominal trauma

AFTERNOON SESSION

1345 - 1415

General Physiological Principles 3 (Dr Paul Morgan)

- Bleeding
- Coagulation/Anti-coagulation

1415 - 1445

Resuscitation, Temperature Regulation, and Hypothermia (Dr Paul Morgan)

1445 - 1530

Central nervous system (Dr Paul Morgan)

- Cerebral autoregulation
- Causes and management of raised intra-cranial pressure including space-occupying lesions
- Head Injury

1530 - 1600

Principles of Epidural Anaesthesia/Assessment; Pain pathways (Dr Paul Morgan)

1600 - 1620

Coffee Break

1630 - 1650

Rhabdomyolysis (Prof Stuart Enoch)

1650 - 1745

Short topics in Surgical Critical Care (Prof Stuart Enoch)

- Calcium Metabolism
- Cardiac Physiology
- Spinal Cord Lesions
- General Physiology Topics

1745 - 1900

Essentials of Microbiology (Prof Stuart Enoch)

- Necrotising Fasciitis
- Tuberculosis
- Antibiotics and MoA

1900 - 1915

Summary and Feedback

END OF COURSE!