

1200 - 1300



Cardiff MRCS OSCE Course:

Applied Surgical Sciences and Critical Care

Date: 30th January (Thursday) 2020

Time: 0825 - 1915 hrs;

Venue: School of Biosciences, Cardiff University

COURSE PROGRAMME

| 0815 - 0820 | Registration |
|----------------------------|---|
| | MORNING SESSION |
| 0820 - 0830 | Welcome, Introduction and Format (Prof Stuart Enoch) |
| 0830 - 0920 0920 - 1030 | Physiological Principles in the Management of Trauma (Prof Stuart Enoch) Long bone fractures Fracture neck of femur Pelvic fractures Polytrauma Hypovolemic shock and management Respiratory System (Dr Teresa Evans) Normal ventilatory cycle Controls of ventilation Causes and management of post-operative respiratory failure |
| 1030 - 1045 | Indications for ventilatory support and weaning off ventilator Intermittent positive pressure ventilation Acute (adult) respiratory distress syndrome Coffee Break |
| 1030 - 1045 | Соптее вгеск |
| 1055 - 1125 | General Physiological Principles 1 (Dr Paul Morgan) Homeostasis, feedback loops Applied acid-base balance |
| 1125 - 1155 | General Physiological Principles 2 (Dr Paul Morgan) Sepsis Septic shock |

OSCE Discussion and Lunch

EARLY AFTERNOON SESSION

| 1300 - 1340 | Management of Major Burns (Prof Stuart Enoch) Assessment Pathophysiology and principles of management Inhalation burns; fluids and nutrition Indications for referral |
|---------------------|--|
| 1340 - 1410 | Fluid and Renal Physiology (Prof Stuart Enoch) |
| 1410 - 1425 | Rhabdomyolysis (Prof Stuart Enoch) |
| 1430 - 1530 | Spinal Cord Injuries and Cord Syndromes (Prof Stuart Enoch) Vertebral fractures Cord compression; conus medullaris and cauda equina Syndrome Spinal and neurogenic shock Autonomic nervous system and bladder dysfunction Spinal cord lesions and vascular conditions |
| 1530 - 1600 | Calcium Metabolism and its Role in Surgery (Prof Stuart Enoch) |
| 1600 - 1615 | Coffee Break |
| | LATE AFTERNOON SESSION |
| 1615 - 1645 | General Physiological Principles 3 (Dr Paul Morgan) Bleeding Coagulation/Anti-coagulation |
| 1645 - 1715 | General Physiological Principles 4 (Dr Paul Morgan) Resuscitation Temperature regulation Hypothermia |
| 1715 - 1745 | General Physiological Principles 5 (Dr Paul Morgan) Principles of epidural anaesthesia/assessment Pain pathways Pre-op assessment |
| 1745 - 1815 | Central nervous system (Dr Paul Morgan) Cerebral autoregulation Causes and management of raised intra-cranial pressure Management of head injury |
| 1830 - 1915 1915 | Infection, Surgical Microbiology and Scenarios in Surgical Critical Care (Prof Stuart Enoch) Tuberculosis Necrotising fasciitis Compartment syndrome Nerve injuries Action potentials Bilirubin metabolism END OF COURSE! |
| 1715 | END OF CORSE: |