

Cardiff MRCS OSCE Course: Applied Surgical Sciences and Critical Care

Date: 1st September 2016

Time: 0825 – 1900 hrs;

Venue: School of Biosciences, Sir Martin Evans Building, University of Cardiff

COURSE PROGRAMME

0815 – 0825 **Registration**

MORNING SESSION

0825 – 0830 **Welcome, introduction and format (Prof S Enoch)**

0830 - 0900 **General Physiological Principles 1 (Dr P Morgan)**

- Homeostasis, feedback loops
- Applied acid-base balance

0900 - 0930 **General Physiological Principles 2 (Dr P Morgan)**

- Sepsis
- Septic shock

0930 - 1040 **Respiratory system (Dr T 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

Coffee Break

1100 - 1145 **Central nervous system (Dr P Morgan)**

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

- 1145 - 1230** **Management of Burns (Prof S Enoch)**
- Assessment
 - Indications for referral
 - Pathophysiology and principles of management

1230 - 1300 **Physiological Principles in the Management of Trauma – Part 1 (Prof S Enoch)**

1300 - 1340 **Lunch Break**

AFTERNOON SESSION

1345 - 1430 **Physiological Principles in the Management of Trauma – Part 2 (Prof S Enoch)**

1430 - 1500 **Critical Care OSCE Scenarios to include other systems (Prof S Enoch)**

1500 - 1530 **Basic Science and Surgical Critical Care (Prof S Enoch)**

1530 - 1550 **Coffee Break**

- 1550 - 1625** **General Physiological Principles 3 (Dr P Morgan)**
- Bleeding
 - Coagulation/Anti-coagulation

1625 - 1700 **Resuscitation, Temperature Regulation and Hypothermia (Dr P Morgan)**

1700 - 1730 **Principles of Epidural Anaesthesia/Assessment; Pain pathways (Dr P Morgan)**

1730 - 1845 **Surgical Microbiology (Prof S Enoch)**

1845 - 1900 **Summary and Feedback**

1900 **END OF COURSE.**