

Cardiff MRCS OSCE Course: Applied Surgical Sciences and Critical Care

Date: 17th September (Thursday) 2015

Time: 0825 - 1845 hrs;

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

COURSE PROGRAMME

0815 - 0825 Registration

MORNING SESSION

0825 - 0830 Welcome, introduction and format (Mr Stuart Enoch)

0830 - 0930 Physiological Principles in the Management of Trauma (Mr Stuart Enoch)

0930 - 1050 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

1050 - 1110 Coffee Break

1110 - 1150 Management of Burns (Mr Stuart Enoch)

- Assessment
- Indications for referral
- Pathophysiology and principles of management

1150 - 1220 Surgical Critical Care (Mr Stuart Enoch)

1220 - 1250 Surgical Microbiology (Mr Stuart Enoch)

1250 - 1330 Lunch Break

AFTERNOON SESSION

1330 - 1400 General Physiological Principles 1 (Dr Paul Morgan)

- Homeostasis, feedback loops
- Applied acid-base balance

1400 - 1430 General Physiological Principles 2 (Dr Paul Morgan)

- Sepsis
- Septic shock

1430 - 1530 Cardiovascular System (Mr Joe Thekkudan)

- Cardiac pressure cycle
- Control of cardiac output
- Blood pressure and its control mechanisms
- Inotropes and their actions

1530 - 1550

Coffee Break

1550 - 1625 Central nervous system (Dr Paul Morgan)

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

1625 - 1655 Principles of Epidural Anaesthesia/Assessment; Pain pathways (Dr Paul Morgan)

1655 - 1730 Resuscitation, Temperature Regulation and Hypothermia (Dr Paul Morgan)

1730 - 1820 Surgical Intensive Care (Mr Joe Thekkudan)

1820 - 1840 Summary and Feedback

1845 END OF COURSE!