

# MRCs Part A Course: Basic Sciences and Clinical Application

(Anatomy, Physiology, Pathology, Microbiology, Principles of Surgery and Clinical Topics)

11<sup>th</sup> and 12<sup>th</sup> March 2017

International Institute for Medical Education, Doctors Academy, St Michael's Centre, Cardiff

## Course Programme

### Day 1

#### SURGICAL PATHOLOGY, PRINCIPLES OF SURGERY AND APPLIED SURGICAL SCIENCES

0930 - 0945	Registration and Coffee
0945 - 1000	Format of MRCs Exam and Preparation
1000 - 1045	Management of Trauma
1045 - 1115	Pre-operative assessment
1115 - 1145	Post-operative management
1145 - 1215	Fundamentals of wound healing
1215 - 1230	Principles of Local Anaesthetics
1230 - 1245	Sutures, needles and suture materials
1245 - 1300	Lumps and benign lesions

**1300 - 1340**

**Lunch**

1345 - 1415	Management of burns
1415 - 1500	Tumours of colon, prostate, thyroid and breast
1500 - 1530	Skin cancers including melanoma

**1530 - 1550**

**Break for refreshments**

1550 - 1640	Ulcers, vascular pathology, thrombus and embolus
1640 - 1720	Management of Head Injury
1720 - 1820	Cardiovascular and Respiratory Critical care physiology
1820 - 1830	Summary
1830	End of Course

## Day 2

### SURGICAL AND APPLIED ANATOMY (AND RELEVANT PATHOLOGY), AND MICROBIOLOGY

0845	Registration and Introduction to Day 2
0900 - 0930	Assessment and mock exam
0930 - 1030	Brachial plexus, arm, shoulder, scapula, back and rotator cuff (includes upper limb nerve injuries, palsies and shoulder pathologies)
1030 - 1100	Cubital fossa, forearm, flexor retinaculum and hand (includes carpal tunnel syndrome, ulnar nerve palsies, hand pathologies)
<b>1100 - 1120</b>	<b>Break for refreshments</b>
1120 - 1145	Neck
1145 - 1215	Scalp and face
1215 - 1300	Mediastinum, Heart, Lungs and Diaphragm
<b>1300 - 1340</b>	<b>Lunch</b>
1340 - 1410	Microbiology essentials for MRCS A
1410 - 1440	Thoracic wall; Vascular anatomy of thorax, head and neck and thorax (includes vascular access and chest drain insertion)
1440 - 1530	Transpyloric plane, anterior abdominal wall and inguinal region (includes hernia)
<b>1530 - 1550</b>	<b>Break for refreshments</b>
1550 - 1630	Abdominal and pelvic anatomy (includes bowel pathologies and segmental bowel resections)
1630 - 1700	Lumbar and lumbosacral plexus
1700 - 1745	Femoral triangle, thigh, popliteal fossa; Lower leg, ankle and foot (includes lower limb nerve injuries, palsies, compartment syndrome and ankle injuries)
1745 - 1815	Questions and Clarifications
1815 - 1830	Exam preparation timetable and Tips
1830	End of Course