

# MRCs Part A Course: Basic Sciences and Clinical Application

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

18<sup>th</sup> and 19<sup>th</sup> November 2017, Postgraduate Education Centre, Manchester Royal Infirmary, Manchester

## Programme

### Day 1

#### SURGICAL AND APPLIED ANATOMY, SYSTEM SPECIFIC PATHOLOGY AND MICROBIOLOGY

|             |   |
|-------------|---|
| 0850 - 0900 | Registration  |
| 0900 - 0910 | Introduction and format of the Exam   |
| 0910 - 1030 | Skull base, Head, Scalp and face; Surgical Pathologies of the Head and Face |
| 1030 - 1110 | Neck, Thyroid, Larynx, Pharynx, Tongue; Surgical Pathologies of the Neck    |

#### 1110 - 1130 Break for refreshments

|             |   |
|-------------|---|
| 1130 - 1230 | Brachial plexus, arm, shoulder, scapula, back and rotator cuff (includes upper limb nerve injuries, palsies and shoulder pathologies) |
| 1230 - 1300 | Cubital fossa, forearm, flexor retinaculum and hand (includes carpal tunnel syndrome, ulnar nerve palsies, hand pathologies)          |

#### 1300 - 1340 Lunch

|             |  |
|-------------|--|
| 1340 - 1420 | Thoracic wall; Mediastinum; Heart; Lungs and Diaphragm   |
| 1420 - 1440 | Vascular anatomy of thorax, head and neck and thorax (includes vascular access and chest drain insertion); Vascular Pathologies of Neck and Thorax |
| 1440 - 1530 | Essential topics in Microbiology   |

#### 1530 - 1550 Break for refreshments

|             |  |
|-------------|--|
| 1550 - 1630 | Transpyloric plane, anterior abdominal wall and inguinal region (includes hernia)  |
| 1630 - 1715 | Abdominal and pelvic anatomy (includes bowel pathologies, colon cancer and segmental bowel resections)   |
| 1720 - 1745 | Lumbar and lumbosacral plexus  |
| 1745 - 1830 | Femoral triangle, thigh, popliteal fossa; Lower leg, ankle and foot (includes lower limb nerve injuries, palsies, compartment syndrome and ankle injuries) |

**1830 End of Day 1**

## Day 2

### GENERAL PATHOLOGY, CANCERS, PRINCIPLES OF SURGERY, GENETICS, STATISTICS AND APPLIED SURGICAL SCIENCES

|             |   |
|-------------|---|
| 0830 - 0930 | Management of Trauma; ATLS Principles; Head Injury; Neurophysiology |
| 0930 - 1000 | Basic and General Pathology   |
| 1000 - 1025 | Genetics and Inheritance Patterns                                   |
| 1025 - 1055 | Pre-operative Assessment  |
| 1055 - 1115 | Post-operative Complications and Management                         |

**1115 - 1135**

**Break for refreshments**

|             |   |
|-------------|---|
| 1140 - 1210 | Fundamentals of Wound Healing; Reconstructive and Plastic Surgery |
| 1210 - 1230 | Principles of Local Anaesthetics; Tourniquets; Diathermy          |
| 1230 - 1245 | Fundamentals of Laparoscopic Surgery                              |
| 1245 - 1300 | Sutures, Suture Materials and Needles                             |

**1300 - 1340**

**Lunch**

|             |   |
|-------------|---|
| 1345 - 1415 | Management of Burns   |
| 1415 - 1500 | Lumps and Benign Lesions; Ulcers; Vascular Pathologies and Vascular Surgery |
| 1500 - 1530 | Cancers of Thyroid and Breast   |

**1530 - 1550**

**Break for refreshments**

|             |   |
|-------------|---|
| 1550 - 1620 | Melanoma and Testicular Cancers                             |
| 1620 - 1650 | Statistics and its Surgical Application                     |
| 1650 - 1800 | Cardiovascular, Respiratory, Endocrine and Renal Physiology |

**1800**

**End of Course**