

# MRCs Part A Course: Basic Sciences and Clinical Application

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

15<sup>th</sup> and 16<sup>th</sup> July 2017, CCU Seminar Room, Christie Hospital, Manchester

## Course Programme

### Day 1

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

0830 - 0845	Registration
0845 - 0855	Introduction and format of the Exam
0855 - 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**