

MRCs Part A Course: Basic Sciences and Clinical Application

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

8th and 9th April 2017, Education Centre, Christie Hospital, Manchester

Course Programme

Day 1

SURGICAL AND APPLIED ANATOMY, SYSTEM SPECIFIC PATHOLOGY AND MICROBIOLOGY

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| 0900 - 0915 | Registration |
| 0915 - 0930 | Introduction and format of the Exam |
| 0930 - 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

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|-------------|---|
| 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

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|-------------|--|
| 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

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| 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

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| 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

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|-------------|---|
| 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

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| 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

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|-------------|---|
| 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