

MRCs Part A Course: Basic Sciences and Clinical Application

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

12th-14th July 2019
School of Biosciences, Cardiff University

Programme

Day 1

SURGICAL AND APPLIED ANATOMY, AND SYSTEM SPECIFIC PATHOLOGY

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| 0830 - 0840 | Registration |
| 0840 - 0850 | Introduction and format of the exam |
| 0850 - 1030 | Brachial plexus, arm, shoulder, scapula, back and rotator cuff (includes upper limb nerve injuries, palsies and shoulder pathologies) |
| 1030 - 1110 | Cubital fossa, forearm, flexor retinaculum and hand (includes carpal tunnel syndrome, ulnar nerve palsies, hand pathologies) |
| 1110 - 1130 | Break for refreshments |
| 1130 - 1230 | Thoracic wall; Mediastinum; Heart; Lungs; Oesophagus; Diaphragm |
| 1230 - 1300 | Vascular anatomy of thorax, head and neck and thorax (includes vascular access and chest drain insertion); Vascular Pathologies of Neck and Thorax |
| 1300 - 1340 | Lunch |
| 1340 - 1420 | Transpyloric plane, anterior abdominal wall and inguinal region (includes hernia and scrotal swellings) |
| 1420 - 1440 | Abdominal anatomy; Hollow and Solid Organs (includes bowel pathologies, colon cancer and segmental bowel resections) |
| 1440 - 1530 | Pelvis and Perineum |
| 1530 - 1550 | Break for refreshments |
| 1550 - 1630 | Lumbar and lumbosacral plexus |
| 1630 - 1715 | Femoral triangle, thigh, popliteal fossa; Lower leg, ankle and foot (includes lower limb nerve injuries, palsies, compartment syndrome and ankle injuries) |
| 1715 - 1830 | Revision of Day 1 and Sample Questions |
| 1830 | End of Day 1 |

Day 2

HEAD AND NECK ANATOMY, AUTONOMOUS NERVOUS SYSTEM, MICROBIOLOGY, CANCER PATHOLOGY, GENETICS AND STATISTICS

0830 - 1040 Skull base, Head, Scalp and Face; Surgical Pathologies of the Head and Face (includes parotid tumours)

1040 - 1100 Break for refreshments

1100 - 1230 Neck, Thyroid, Larynx, Pharynx, Tongue; Surgical Pathologies of the Neck

1230 - 1300 Autonomous Nervous System

1300 - 1345 Lunch

1345 - 1445 Essential topics in Microbiology, Tuberculosis and Necrotising Fasciitis

1445 - 1530 Statistics and its Surgical Application

1530 - 1550 Break for refreshments

1550 - 1630 Cancer pathology (Brain, Oesophagus and Lung)

1630 - 1700 Genetics and Inheritance Patterns

1700 - 1800 Revision of Days 1 and 2, and Sample Questions

1800 End of Day 2

Day 3

GENERAL PATHOLOGY, BENIGN AND MALIGNANT TUMOURS, PRINCIPLES OF SURGERY, 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 | Cardiorespiratory physiology |
| 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 - 1245 | Principles of Local Anaesthetics; Tourniquets; Diathermy; 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 | Endocrine and Renal Physiology; Calcium Metabolism |
| 1650 - 1815 | Revision of all 3 days and Sample Questions |

1800 End of Course