

MRCs Part A Course: Basic Sciences and Clinical Application

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

29th November, 30th November and 1st December 2019

School of Biosciences, Cardiff University

Programme

Day 1

SURGICAL AND APPLIED ANATOMY, AND SYSTEM SPECIFIC PATHOLOGY

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

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

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

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	Endocrine and Renal Physiology; Calcium Metabolism
1650 - 1815	Revision of all 3 days and Sample Questions

1800 End of Course