



07a Anatomy

Total Number of Sessions 42

	Date Completed	Quicklink Code
01 Respiratory system		
07a_01_01 Nasal Anatomy	/ /	<input type="checkbox"/> 001-0554
07a_01_03 Anatomy of the Oral Cavity, Pharynx and Larynx	/ /	<input type="checkbox"/> 001-0556
07a_01_04 Trachea, main bronchi, broncho-pulmonary segments	/ /	<input type="checkbox"/> 001-0557
07a_01_05 Microstructure of the Lungs and Pleura	/ /	<input type="checkbox"/> 001-0558
07a_01_06 Mediastinum and contents	/ /	<input type="checkbox"/> 001-0559
07a_01_07 Diaphragm, accessory muscles of respiration, innervation	/ /	<input type="checkbox"/> 001-0560
07a_01_08 Ribs and thoracic cage, clavicles	/ /	<input type="checkbox"/> 001-0561
07a_01_09 Blood supply, innervation and lymph drainage of upper airway	/ /	<input type="checkbox"/> 001-0562
07a_01_10 Anatomical Differences in the Developing Paediatric Airway	/ /	<input type="checkbox"/> 001-0563
07a_01_11 Interpretation of the normal X-ray	/ /	<input type="checkbox"/> 001-0565
07a_01_12 Anatomical factors suggesting the difficulty of intubation	/ /	<input type="checkbox"/> 001-0566
02 Cardiovascular system		
07a_02_01 Anatomy of the heart	/ /	<input type="checkbox"/> 001-0567
07a_02_02 Coronary circulation	/ /	<input type="checkbox"/> 001-0568
07a_02_03 Conducting System of the Heart	/ /	<input type="checkbox"/> 001-0569
07a_02_04 Great vessels, main peripheral arteries and veins	/ /	<input type="checkbox"/> 001-0570
07a_02_05 Blood supply to the central nervous system	/ /	<input type="checkbox"/> 001-0572
03 Nervous system		
07a_03_01 Macroscopic anatomy of the brain, CSF, meninges	/ /	<input type="checkbox"/> 001-0574
07a_03_02 Spinal cord, major ascending and descending pathways	/ /	<input type="checkbox"/> 001-0575
07a_03_03 Spinal meninges, subarachnoid and extradural space	/ /	<input type="checkbox"/> 001-0576
07a_03_04 CSF and its circulation	/ /	<input type="checkbox"/> 001-0577
07a_03_05 Spinal nerves, dermatomes, intercostal nerves	/ /	<input type="checkbox"/> 001-0578
07a_03_06 Spinal nerves, dermatomes, intercostal nerves in the child	/ /	<input type="checkbox"/> 001-0579
07a_03_07 Brachial plexus, nerve supply to the arm and hand	/ /	<input type="checkbox"/> 001-0580
07a_03_08 Lumbosacral plexus, nerve supply to the leg and foot	/ /	<input type="checkbox"/> 001-0581
07a_03_09 Autonomic nervous system, ganglia, plexi	/ /	<input type="checkbox"/> 001-0582
07a_03_10 Cranial nerves, base of skull, trigeminal ganglion, stellate ganglion	/ /	<input type="checkbox"/> 001-0583
07a_03_11 Globe of the eye	/ /	<input type="checkbox"/> 001-0584
07a_03_12 Optic pathways, visual fields, motor and sensory innervation	/ /	<input type="checkbox"/> 001-0585
07a_03_13 Boney orbit and extra-ocular contents	/ /	<input type="checkbox"/> 001-0586
07a_03_14 Pain pathways in labour	/ /	<input type="checkbox"/> 001-0587
07a_03_15 Pathways involved in chronic pain	/ /	<input type="checkbox"/> 001-0588
04 The abdominal viscera		
07a_04_01 Anatomy of the gastrointestinal and renal tracts	/ /	<input type="checkbox"/> 001-0590
05 Bone and joints		
07a_05_01 Spine: Cervical, thoracic and lumbar vertebrae & sacrum	/ /	<input type="checkbox"/> 001-0597



07a_05_02	Spine Part 2: Sacrum, Sacral Hiatus and Ligaments	/	/	<input type="checkbox"/>	001-598
07a_05_03	Facial skeleton	/	/	<input type="checkbox"/>	001-0599
07a_05_04	Bones and Joints of the upper and lower limbs	/	/	<input type="checkbox"/>	001-0600
07a_05_05	Hazards of positioning and pressure areas	/	/	<input type="checkbox"/>	001-0601
06 Surface Anatomy					
07a_06_01	Antecubital fossa	/	/	<input type="checkbox"/>	001-0602
07a_06_02	Surface Anatomy of the Neck and Clavicular region	/	/	<input type="checkbox"/>	001-0603
07a_06_03	Landmarks for Tracheostomy and Cricothyrotomy	/	/	<input type="checkbox"/>	001-0605
07a_06_04	Surface anatomy of Vertebral Column in Adult and Child	/	/	<input type="checkbox"/>	001-0607
07a_06_05	Surface Anatomy of the Inguinal region and femoral triangle	/	/	<input type="checkbox"/>	001-0604



07b Physiology

Total Number of Sessions **85**

01 General Physiology

01 Homeostasis

07b_01_01 Organisation of the human body / / 001-0608

02 Gene physiology

07b_02_01 Function of cells; genes and their expression / / 001-0609

07b_02_03 Gene transcription and translation. / / 001-0611

03 Cell membranes

07b_03_01 Cell membrane characteristics; receptors / / 001-0612

02 Biochemistry

04 Cellular biochemistry

07b_04_01 Acid base balance and buffers / / 001-0614

05 Enzymes and their function

07b_05_01 Cellular metabolism, enzymes / / 001-0616

06 Ions and the body

07b_06_01 Body Water and Compartments / / 001-0617

07b_06_02 Cations and Anions / / 001-0618

03 Body Fluids

07 Starling's forces and the capillary

07b_07_01 Capillary dynamics and interstitial fluid / / 001-0619

08 Osmolarity and tonicity

07b_08_01 Osmolarity: partition of fluids across membranes / / 001-0620

07b_08_02 Lymphatic system and other circulatory fluids / / 001-0621

04 Haematology and Immunology

09 Haemoglobin

07b_09_01 Red blood cells: haemoglobin and its variants / / 001-0622

10 Blood groups

07b_10_01 Transfusion physiology 1 / / 001-0623

07b_10_02 Transfusion physiology 2 / / 001-0624

11 Coagulation

07b_11_01 Haemostasis and coagulation 1 / / 001-0625

07b_11_02 Haemostasis and coagulation 2 / / 001-0626

12 Immunology

07b_12_01 Immunity / / 001-0627

07b_12_02 Allergy and Inflammatory Response / / 001-0628

05 Muscle



13 Skeletal muscle

07b_13_01	Neuromuscular junction and transmission	/	/	<input type="checkbox"/>	001-0629
07b_13_02	Action potential generation and its transmission	/	/	<input type="checkbox"/>	001-0630
07b_13_03	Skeletal muscle contraction 1	/	/	<input type="checkbox"/>	001-0631
07b_13_04	Skeletal muscle contraction 2	/	/	<input type="checkbox"/>	001-0632

14 Smooth muscle

07b_14_01	Smooth muscle physiology 1	/	/	<input type="checkbox"/>	001-0633
07b_14_03	Motor unit	/	/	<input type="checkbox"/>	001-0635

06 Heart and Circulation

Date Completed	Quicklink Code
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15 Cardiac muscle physiology

07b_15_01	Cardiac muscle contraction 1	/	/	<input type="checkbox"/>	001-0636
07b_15_02	Cardiac muscle contraction 2	/	/	<input type="checkbox"/>	001-0637
07b_15_03	The cardiac cycle	/	/	<input type="checkbox"/>	001-0638

16 The ECG

07b_16_01	Cardiac electrophysiology	/	/	<input type="checkbox"/>	001-0640
07b_16_02	The electrocardiogram and arrhythmias	/	/	<input type="checkbox"/>	001-0641

17 Control of the CVS

07b_17_01	Central and autonomic regulation of cardiac function	/	/	<input type="checkbox"/>	001-0642
07b_17_02	Biophysical regulation of cardiac function	/	/	<input type="checkbox"/>	001-0643
07b_17_03	Hormonal and metabolic regulation of cardiac function	/	/	<input type="checkbox"/>	001-0644
07b_17_04	Control of cardiac output	/	/	<input type="checkbox"/>	001-0645
07b_17_05	Control of systemic blood pressure	/	/	<input type="checkbox"/>	001-0647

18 The peripheral circulation

07b_18_01	Peripheral circulation	/	/	<input type="checkbox"/>	001-0649
07b_18_03	Coronary Circulation	/	/	<input type="checkbox"/>	001-0651
07b_18_04	Pulmonary Circulation	/	/	<input type="checkbox"/>	001-0652

07 Renal Tract

Date Completed	Quicklink Code
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19 Renal function

07b_19_01	Renal Morphology, Blood Supply and Glomerular Filtration	/	/	<input type="checkbox"/>	001-0654
07b_19_02	Tubular Transport and the Proximal Tubule	/	/	<input type="checkbox"/>	001-0655
07b_19_03	Loop of Henle, Distal Tubule and Collecting Tubule	/	/	<input type="checkbox"/>	001-0656

20 Acid-Base control

07b_20_01	Regulation of Body Fluid Volume and Sodium Reabsorption	/	/	<input type="checkbox"/>	001-0657
07b_20_02	Renal regulation of body fluid pH	/	/	<input type="checkbox"/>	001-0658
07b_20_03	Assessment of Renal Function	/	/	<input type="checkbox"/>	001-0659

08 Respiration

Date Completed	Quicklink Code
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21 O2 and CO2 Transport

07b_21_01	Gaseous exchange: Oxygen	/	/	<input type="checkbox"/>	001-0660
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07b_21_02	Gaseous exchange: Hypoxia and hyper- and hypo-capnia	/	/	<input type="checkbox"/>	001-0661
07b_21_03	Gaseous exchange: hyper- and hypo-baric pressures	/	/	<input type="checkbox"/>	001-0662
07b_21_04	Function of haemoglobin in oxygen carriage	/	/	<input type="checkbox"/>	001-0663
07b_21_05	CO2 carriage in blood and acid-base equilibrium	/	/	<input type="checkbox"/>	001-0664

22 Pulmonary mechanics

07b_22_01	Pulmonary ventilation: volumes, flows, dead space & preoxygenation	/	/	<input type="checkbox"/>	001-0665
07b_22_03	Ventilation/Perfusion Abnormalities	/	/	<input type="checkbox"/>	001-0667
07b_22_04	Mechanics of ventilation and the effect of IPPV on the lungs	/	/	<input type="checkbox"/>	001-0668

23 Control of respiration

07b_23_01	Control of Breathing	/	/	<input type="checkbox"/>	001-0669
07b_23_02	Ventilatory Failure and Oxygen Therapy	/	/	<input type="checkbox"/>	001-0670
07b_23_03	Effects of anaesthesia on lung function	/	/	<input type="checkbox"/>	001-0671

09 Nervous System

Date Completed Quicklink Code

24 Nerve cell physiology

07b_24_01	Functions of nerve cells 1	/	/	<input type="checkbox"/>	001-0673
07b_24_02	Functions of nerve cells 2	/	/	<input type="checkbox"/>	001-0674

25 The nervous system

07b_25_01	The brain	/	/	<input type="checkbox"/>	001-0675
07b_25_02	The Physiology of the Autonomic Nervous System	/	/	<input type="checkbox"/>	001-0676

26 Reflex physiology

07b_26_01	Neurological reflexes 1	/	/	<input type="checkbox"/>	001-0677
07b_26_02	Neurological reflexes 2	/	/	<input type="checkbox"/>	001-0678
07b_26_03	Motor function: spinal and peripheral	/	/	<input type="checkbox"/>	001-0679

27 Pain physiology

07b_27_01	Pain - peripheral and central mechanisms 1	/	/	<input type="checkbox"/>	001-0682
07b_27_02	Pain - peripheral and central mechanisms 2	/	/	<input type="checkbox"/>	001-0683
07b_27_03	Visceral pain and neuropathic pain	/	/	<input type="checkbox"/>	001-0684

10 Liver

Date Completed Quicklink Code

28 Liver physiology

07b_28_01	Functional liver anatomy and blood supply	/	/	<input type="checkbox"/>	001-0685
07b_28_02	Metabolic and synthetic functions of the liver 1	/	/	<input type="checkbox"/>	001-0686
07b_28_03	Metabolic and synthetic functions of the liver 2	/	/	<input type="checkbox"/>	001-0687

11 Gastrointestinal

Date Completed Quicklink Code

29 GUT physiology

07b_29_01	Gastric function	/	/	<input type="checkbox"/>	001-0688
07b_29_02	Physiology of Nausea and Vomiting	/	/	<input type="checkbox"/>	001-0689

12 Metabolism

Date Completed Quicklink Code



30 Nutrition

07b_30_01	Nutrients: carbohydrates, fats, proteins	/	/	<input type="checkbox"/>	001-0691
07b_30_03	Metabolic pathways	/	/	<input type="checkbox"/>	001-0693
07b_30_04	Hormonal control of metabolism	/	/	<input type="checkbox"/>	001-0694

31 Common Physiological Alterations

07b_31_01	Hormonal, Metabolic and Inflammatory Responses to Surgery	/	/	<input type="checkbox"/>	001-0695
07b_31_02	Physiology of Obesity and Effects on Organ Systems	/	/	<input type="checkbox"/>	001-0696
07b_31_03	Physiology of Exercise and CPX Testing	/	/	<input type="checkbox"/>	001-0697

32 Temperature

07b_32_01	Body temperature and its regulation	/	/	<input type="checkbox"/>	001-0698
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13 Endocrinology

Date Completed	Quicklink Code
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33 Hormones

07b_33_01	The Physiology of Hormones	/	/	<input type="checkbox"/>	001-0700
07b_33_02	Hypothalamic and pituitary function	/	/	<input type="checkbox"/>	001-0701
07b_33_04	Adrenal hormones	/	/	<input type="checkbox"/>	001-0703
07b_33_05	Pancreas: insulin, glucagon and exocrine function	/	/	<input type="checkbox"/>	001-0704
07b_33_06	Thyroid and parathyroid hormones and calcium homeostasis	/	/	<input type="checkbox"/>	001-0705

14 Pregnancy

Date Completed	Quicklink Code
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34 Physiology of the mother

07b_34_01	Physiology of pregnancy and labour 1	/	/	<input type="checkbox"/>	001-0706
07b_34_02	Physiology of pregnancy and labour 2	/	/	<input type="checkbox"/>	001-0707
07b_34_03	Functions of the Placenta	/	/	<input type="checkbox"/>	001-0708

35 Fetal physiology

07b_35_01	Materno-fetal circulation changes at birth	/	/	<input type="checkbox"/>	001-0709
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07c Pharmacology

Total Number of Sessions **97**

01 Applied Chemistry

Date Completed Quicklink Code

01 Organic Chemistry in Medicine

07c_01_01	Drugs as Organic Molecules	/ /	<input type="checkbox"/>	001-0710
07c_01_02	Interactions Between Molecules	/ /	<input type="checkbox"/>	001-0711
07c_01_03	Ionisation	/ /	<input type="checkbox"/>	001-0712
07c_01_04	Molecules and membranes	/ /	<input type="checkbox"/>	001-0713
07c_01_05	Isomers	/ /	<input type="checkbox"/>	001-0714

02 Pharmacodynamics

Date Completed Quicklink Code

02 How Chemicals Act as Drugs

07c_02_01	Introduction to mechanisms of drug action	/ /	<input type="checkbox"/>	001-0715
07c_02_02	Non-specific Drug Actions	/ /	<input type="checkbox"/>	001-0716

03 Drug-Receptor Interactions

07c_03_01	Agonists and Receptors	/ /	<input type="checkbox"/>	001-0717
07c_03_02	Antagonists and Receptors	/ /	<input type="checkbox"/>	001-0718
07c_03_03	Partial Agonists & Inverse Agonists	/ /	<input type="checkbox"/>	001-0719
07c_03_04	Introducing Receptors as Proteins	/ /	<input type="checkbox"/>	001-0720

04 Ion Channels

07c_04_01	Ligand-Gated Ion-Channels as Receptors	/ /	<input type="checkbox"/>	001-0721
07c_04_02	Voltage-Gated Ion-Channels as Drug Targets	/ /	<input type="checkbox"/>	001-0722

05 Transduction Systems

07c_05_01	GPCRs & G-Proteins	/ /	<input type="checkbox"/>	001-0723
07c_05_02	Intermediary Messengers	/ /	<input type="checkbox"/>	001-0724
07c_05_03	Non-GPCR mediated Transmembrane Signalling	/ /	<input type="checkbox"/>	001-0725
07c_05_04	Nuclear Receptors	/ /	<input type="checkbox"/>	001-0726

06 Regulation of transcription

07c_06_01	Enzymes as Drug Targets	/ /	<input type="checkbox"/>	001-0727
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07 Enzymes as drug targets

07c_07_01	Anticholinesterases	/ /	<input type="checkbox"/>	001-0728
07c_07_02	Enzyme Induction & Inhibition	/ /	<input type="checkbox"/>	001-0729

08 Unwanted Drug Actions

07c_08_01	Predicable Side Effects of Drugs	/ /	<input type="checkbox"/>	001-0730
07c_08_02	Unpredictable Side Effects of Drugs	/ /	<input type="checkbox"/>	001-0731
07c_08_03	Tolerance & Tachyphylaxis	/ /	<input type="checkbox"/>	001-0732

09 Drug Interactions

07c_09_01	Ways in which Drugs Interact	/ /	<input type="checkbox"/>	001-0733
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03 Pharmacokinetics

Date Completed Quicklink Code



10 Introduction to Pharmacokinetics

07c_10_01 What is Pharmacokinetics? / / 001-0734

11 Absorption

07c_11_01 Routes of Administration & Absorption / / 001-0735

07c_11_02 Bioavailability / / 001-0736

12 Distribution & Re-distribution

07c_12_01 Oral Drug Administration / / 001-0737

07c_12_02 Intravenous Drug Administration / / 001-0738

07c_12_03 Inhalational Drug Administration / / 001-0739

07c_12_04 Factors Affecting Drug Distribution / / 001-0740

07c_12_05 Protein Binding / / 001-0741

07c_12_06 Body Compartments / / 001-0742

13 Elimination

07c_13_01 The Removal of Drugs from Plasma: Principles / / 001-0743

07c_13_02 Elimination Unchanged: Excretion / / 001-0744

07c_13_03 Principles of Drug Metabolism / / 001-0745

07c_13_04 The Cytochrome P450 system / / 001-0746

07c_13_05 Factors Affecting Hepatic & Renal Elimination / / 001-0747

14 Pharmacokinetic Models

07c_14_01 Introduction to Pharmacokinetics and Modelling / / 001-0748

07c_14_02 Two- and Three-Compartment Models / / 001-0749

07c_14_03 Clearance and Volume of Distribution / / 001-0750

07c_14_04 Target-Controlled Infusions and Context Sensitive Half-Time / / 001-0751

15 Link between Pharmacokinetics and Pharmacodynamics

07c_15_01 Pharmacokinetics Principles in Different Patient Groups / / 001-0757

07c_15_02 Pharmacokinetics of Intravenous Anaesthesia / / 001-0944

07c_15_03 Interindividual Variation in Drug Response inc Pharmacogenetic Variation / / 001-0758

04 Systematic Pharmacology

Date Completed

Quicklink Code

16 Inhalational Agents

07c_16_01 Halogenated Volatile agents & Unwanted Effects of volatile agents / / 001-0760

07c_16_02 Nitrous Oxide and Xenon / / 001-0762

07c_16_03 Mechanism of General Anaesthetic Action / / 001-0763

17 Sedative Agents

07c_17_01 Benzodiazepines & Sedative agents / / 001-0764

18 Intravenous Induction Agents

07c_18_01 Propofol / / 001-0765

07c_18_02 The Barbiturates / / 001-0766

07c_18_03 Etomidate / / 001-0767

07c_18_04 Ketamine / / 001-0943

07c_18_05 Properties of an Ideal Intravenous Induction Agent / / 001-0768

07c_18_06 Intravenous Agents for Maintenance of Anaesthesia / / 001-0769



19 Local Anaesthetics

07c_19_01 Local Anaesthetic Agents, mechanism of action & choice of agent. / / 001-0770

20 Analgesics

07c_20_01 The Analgesic Ladder: choice and perioperative prescribing / / 001-0773

07c_20_02 Simple Analgesics: Aspirin & Paracetamol / / 001-0774

07c_20_03 Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) / / 001-0775

07c_20_04 Opioid Drugs: General Properties & Mechanisms of Action / / 001-0776

07c_20_05 Morphine and Other Opioids / / 001-0777

07c_20_06 Opioids with Weak and Partial Agonist Activity and Opioid Antagonists / / 001-0778

21 Muscle Relaxants

07c_21_01 The Neuromuscular Junction & the Nicotinic Acetylcholine Receptor / / 001-0779

07c_21_02 Succinylcholine / / 001-0780

07c_21_03 Non-Depolarizing Muscle Relaxants: General Properties / / 001-0781

07c_21_04 Aminosteroid Neuromuscular Blocking Agents / / 001-0782

07c_21_05 Benzylisoquinolinium Muscle Relaxants / / 001-0783

07c_21_06 Reversal of Neuromuscular Blockade / / 001-0784

07c_21_07 The Ideal Short Acting Muscle Relaxant / / 001-0785

22 Autonomic Drugs

07c_22_01 The Autonomic Nervous System: Anatomical Sites of Drug Action / / 001-0786

07c_22_02 Drugs & the Sympathetic Nervous System / / 001-0787

07c_22_03 Endogenous catecholamines / / 001-0788

07c_22_04 Sympathomimetics / / 001-0789

07c_22_05 Drugs & the Parasympathetic Nervous System / / 001-0790

23 Cardiovascular Drugs

07c_23_01 The Cardiovascular System and Sites for Drug Effects / / 001-0792

07c_23_02 Inotropes and vasoconstrictors / / 001-0793

07c_23_03 Drugs used in Ischaemic heart disease / / 001-0794

24 Antiarrhythmics

07c_24_01 Classifications for Antiarrhythmic Drugs / / 001-0795

07c_24_02 Clinical use of Antiarrhythmic agents / / 001-0796

25 Hypotensive Agents

07c_25_01 Drugs to produce Intraoperative Hypotension / / 001-0797

07c_25_02 Therapeutic Antihypertensives / / 001-0798

07c_25_03 Antihistamines / / 001-0799

26 Drugs Acting in the Blood Stream

07c_26_01 Anticoagulants / / 001-0800

07c_26_02 Anti-platelet Agents / / 001-0801

07c_26_03 Thromboprophylaxis and Thrombosis / / 001-0802

07c_26_04 Fluids for volume expansion / / 001-0803

27 Drugs Acting on the Respiratory System

07c_27_01 Drugs Acting on The Respiratory System / / 001-0804

07c_27_02 Drugs used in the Treatment of Acute Asthma / / 001-0805



28 Drugs Acting on the GI Tract

07c_28_01	Drugs Acting on the GI Tract	/	/	<input type="checkbox"/>	001-0806
07c_28_02	Antiemetic Drugs	/	/	<input type="checkbox"/>	001-0807

29 Diuretics

07c_29_01	Diuretics	/	/	<input type="checkbox"/>	001-0808
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30 Drugs Acting on the Central Nervous System

07c_30_01	Antiepileptic Drugs (AEDs)	/	/	<input type="checkbox"/>	001-0809
07c_30_02	Antidepressants	/	/	<input type="checkbox"/>	001-0810
07c_30_03	Anti-Diabetic Therapy: NIDDM & Insulin Therapy in Diabetes Mellitus	/	/	<input type="checkbox"/>	001-0811

31 Drugs Affecting Hormone Systems

07c_31_01	Corticosteroids; Thyroxine and drugs used in thyroid disorders	/	/	<input type="checkbox"/>	001-0813
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32 Antimicrobial Agents

07c_32_01	Antibiotics: Mechanisms of Action	/	/	<input type="checkbox"/>	001-0815
07c_32_02	Penicillins & Cephalosporins; Gentamicin & Macrolides	/	/	<input type="checkbox"/>	001-0816



07d Physics and Statistics

Total Number of Sessions **73**

01 Physics and Clinical Measurement

Date Completed Quicklink Code

01 Introduction

07d_01_01 Introduction to Physics & Statistics / / 001-0818

02 Atoms & Molecules in Motion

07d_02_01 Kinetic theory of gases / / 001-0821

07d_02_02 Newtonian mechanics / / 001-0822

07d_02_03 Pressure and kinetic theory / / 001-0823

07d_02_04 Gas Laws / / 001-0824

07d_02_05 Gases in solution / / 001-0825

07d_02_06 Real gases / / 001-0826

07d_02_07 Density & viscosity / / 001-0827

07d_02_08 Gas storage / / 001-0828

07d_02_09 Gases & vapours / / 001-0829

07d_02_10 Humidity / / 001-0830

07d_02_11 Solvents & solutes / / 001-0831

07d_02_12 Osmosis / / 001-0832

07d_02_13 Heat & temperature / / 001-0833

07d_02_14 Heat transfer / / 001-0834

07d_02_15 Hydrostatics / / 001-0835

07d_02_16 Mass & energy transfer / / 001-0836

07d_02_17 Laminar & turbulent flow / / 001-0837

03 Modelling with Mathematics

07d_03_01 Mathematical modelling and Input-Output Principle (IOP) / / 001-0839

07d_03_02 Model construction: CO₂ & alveolar ventilation / / 001-0840

07d_03_03 Examination of model / / 001-0841

07d_03_04 Mathematical Functions / / 001-0842

07d_03_05 Fick Principle & IOP / / 001-0844

07d_03_06 Alveolar Gas Equation / / 001-0845

07d_03_07 Apnoeic oxygenation and differential equations / / 001-0846

07d_03_08 Preoxygenation and e / / 001-0847

07d_03_09 Step Change in Alveolar Ventilation and Exponential Functions / / 001-0848

07d_03_10 Basic Calculus - Differentiation / / 001-0849

07d_03_11 Basic Calculus - Integration / / 001-0850

07d_03_12 Logarithms and pH / / 001-0851

07d_03_13 Mathematics & principles of measurement / / 001-0852

04 Subatomic Processes

07d_04_01 Atomic structure / / 001-0853

07d_04_02 Chemical bonds & reactions / / 001-0854

07d_04_03 Molecular structure & isomerism / / 001-0855

07d_04_04 Reaction rates & thermodynamics / / 001-0856



07d_04_05	Acids & bases	/	/	<input type="checkbox"/>	001-0857
07d_04_06	Radioactivity	/	/	<input type="checkbox"/>	001-0858
07d_04_07	Electromagnetic spectrum	/	/	<input type="checkbox"/>	001-0859
07d_04_08	Light	/	/	<input type="checkbox"/>	001-0860
07d_04_09	Lasers	/	/	<input type="checkbox"/>	001-0861
07d_04_10	Electrons & current	/	/	<input type="checkbox"/>	001-0862
07d_04_11	Electronic circuits	/	/	<input type="checkbox"/>	001-0863
07d_04_12	Amplifiers and interference	/	/	<input type="checkbox"/>	001-0864
07d_04_13	Excitable tissues & biological potentials	/	/	<input type="checkbox"/>	001-0865
07d_04_14	Magnetism & current	/	/	<input type="checkbox"/>	001-0866
07d_04_15	Nuclear magnetism & MRI	/	/	<input type="checkbox"/>	001-0867

05 Periodicity

07d_05_01	Cyclical processes	/	/	<input type="checkbox"/>	001-0868
07d_05_02	Modelling cyclical processes	/	/	<input type="checkbox"/>	001-0869
07d_05_03	Physiological waveforms	/	/	<input type="checkbox"/>	001-0870
07d_05_04	Measurement & display; transducers	/	/	<input type="checkbox"/>	001-0871
07d_05_05	Resonance & damping	/	/	<input type="checkbox"/>	001-0872
07d_05_06	Pressure and flows;pneumotachography	/	/	<input type="checkbox"/>	001-0873

02 Statistics

Date Completed

Quicklink Code

06 Probability & Statistics

07d_06_01	Random processes	/	/	<input type="checkbox"/>	001-0874
07d_06_02	Probability	/	/	<input type="checkbox"/>	001-0875
07d_06_03	Random variables & distributions	/	/	<input type="checkbox"/>	001-0876
07d_06_04	Probability models	/	/	<input type="checkbox"/>	001-0877
07d_06_05	Normal distribution	/	/	<input type="checkbox"/>	001-0878
07d_06_06	Measures of central tendency	/	/	<input type="checkbox"/>	001-0879
07d_06_07	Measures of variability	/	/	<input type="checkbox"/>	001-0880
07d_06_08	Population & sample	/	/	<input type="checkbox"/>	001-0881
07d_06_09	Estimation & decision-making	/	/	<input type="checkbox"/>	001-0882
07d_06_10	Hypothesis testing	/	/	<input type="checkbox"/>	001-0883
07d_06_11	Confidence	/	/	<input type="checkbox"/>	001-0884
07d_06_12	Samples of unknown mean & variance	/	/	<input type="checkbox"/>	001-0885
07d_06_13	Related variables	/	/	<input type="checkbox"/>	001-0886
07d_06_14	Categorical variables	/	/	<input type="checkbox"/>	001-0887
07d_06_15	Non-parametric data	/	/	<input type="checkbox"/>	001-0888
07d_06_16	Diagnostic testing	/	/	<input type="checkbox"/>	001-0889
07d_06_17	Display of statistical data	/	/	<input type="checkbox"/>	001-0890
07d_06_18	Clinical Studies Part One: Cohort Studies and Measures of Association	/	/	<input type="checkbox"/>	001-0891
07d_06_19	Clinical Studies Part Two: Study Design	/	/	<input type="checkbox"/>	001-0892
07d_06_20	Meta-analysis and Evidence-based Medicine	/	/	<input type="checkbox"/>	001-0893
07d_06_21	Choice of test	/	/	<input type="checkbox"/>	001-0894



07e Equipment

Total Number of Sessions 47

	Date Completed	Quicklink Code
01 Gas Supplies		
07e_01_01 Sources of central gas supply	/ /	<input type="checkbox"/> 001-0895
07e_01_02 Gas cylinders	/ /	<input type="checkbox"/> 001-0896
07e_01_03 Piped gas supply	/ /	<input type="checkbox"/> 001-0897
02 The anaesthetic machine		
07e_02_01 Pressure regulator, pressure gauge, flowmeters	/ /	<input type="checkbox"/> 001-0898
07e_02_02 Vaporizers, oxygen flush and alarms	/ /	<input type="checkbox"/> 001-0899
07e_02_03 Pollution and Scavenging	/ /	<input type="checkbox"/> 001-0900
07e_02_04 Checking of Anaesthetic Equipment	/ /	<input type="checkbox"/> 001-0901
03 Breathing systems		
07e_03_01 Mapleson classification	/ /	<input type="checkbox"/> 001-0902
07e_03_02 Circle system	/ /	<input type="checkbox"/> 001-0903
04 Airway Equipment		
07e_04_01 Face Masks and Oxygen Delivery Devices	/ /	<input type="checkbox"/> 001-0904
07e_04_02 Oropharyngeal and Nasopharyngeal Airways	/ /	<input type="checkbox"/> 001-0905
07e_04_03 Extra-glottic airway devices	/ /	<input type="checkbox"/> 001-0906
07e_04_04 Laryngoscopes and intubation aides	/ /	<input type="checkbox"/> 001-0907
07e_04_05 Tracheal tubes	/ /	<input type="checkbox"/> 001-0908
07e_04_06 Tracheostomy and cricothyrotomy tubes	/ /	<input type="checkbox"/> 001-0909
07e_04_07 Breathing Systems Filters	/ /	<input type="checkbox"/> 001-0910
05 Ventilators		
07e_05_01 Classification of ventilators	/ /	<input type="checkbox"/> 001-0911
07e_05_02 Emergency and Transport Ventilators	/ /	<input type="checkbox"/> 001-0912
07e_05_03 Ventilators used in the operating theatre and ICU	/ /	<input type="checkbox"/> 001-0913
07e_05_04 CPAP and BIPAP	/ /	<input type="checkbox"/> 001-0914
06 Humidification		
07e_06_01 Humidification	/ /	<input type="checkbox"/> 001-0915
07 Patient Monitoring		
07e_07_01 Standards of Monitoring During Anaesthesia and Recovery	/ /	<input type="checkbox"/> 001-0916
07e_07_02 Electrocardiogram (ECG)	/ /	<input type="checkbox"/> 001-0917
07e_07_03 Pulse oximetry	/ /	<input type="checkbox"/> 001-0918
07e_07_04 Capnography	/ /	<input type="checkbox"/> 001-0919
07e_07_05 Non-invasive Blood Pressure Measurement (NIBP)	/ /	<input type="checkbox"/> 001-0920
07e_07_06 Invasive BP measurement	/ /	<input type="checkbox"/> 001-0921
07e_07_07 Central Venous and Pulmonary Artery Catheters	/ /	<input type="checkbox"/> 001-0922
07e_07_08 Monitoring of Neuromuscular Conduction	/ /	<input type="checkbox"/> 001-0923
07e_07_09 Temperature measurement	/ /	<input type="checkbox"/> 001-0924
07e_07_10 Arterial blood gases	/ /	<input type="checkbox"/> 001-0925



07e_07_11	Oesophageal doppler cardiac output monitoring	/	/	<input type="checkbox"/>	001-0926
07e_07_12	BIS, entropy and evoked potentials	/	/	<input type="checkbox"/>	001-0927
08 Monitoring of gas delivery					
07e_08_01	Oxygen concentration analysers	/	/	<input type="checkbox"/>	001-0928
07e_08_02	N2O and Anaesthetic Agent Monitoring	/	/	<input type="checkbox"/>	001-0929
07e_08_03	Wright's Respirometer, Pneumotachograph and Ventilator Alarms	/	/	<input type="checkbox"/>	001-0930
09 Defibrillators and pacemakers					
07e_09_01	Defibrillators and pacemakers	/	/	<input type="checkbox"/>	001-0931
10 Fluid management equipment					
07e_10_01	Intravenous cannulae and Giving Sets	/	/	<input type="checkbox"/>	001-0932
07e_10_02	Haemofiltration and dialysis	/	/	<input type="checkbox"/>	001-0933
07e_10_03	Infusion devices	/	/	<input type="checkbox"/>	001-0934
11 Regional anaesthesia					
07e_11_01	Spinal needles	/	/	<input type="checkbox"/>	001-0935
07e_11_02	Equipment Used in Epidural Anaesthesia	/	/	<input type="checkbox"/>	001-0936
07e_11_03	Equipment for Peripheral Nerve Block	/	/	<input type="checkbox"/>	001-0937
12 Equipment to prevent cross infection					
07e_12_01	Sterilization	/	/	<input type="checkbox"/>	001-0938
07e_12_02	Disinfection	/	/	<input type="checkbox"/>	001-0939
13 Electrical safety					
07e_13_01	Electrical Safety 1: Biological Effects, Electrical Hazards	/	/	<input type="checkbox"/>	001-0940
07e_13_02	Electrical safety 2	/	/	<input type="checkbox"/>	001-0941