

Module 7a Anatomy

33 Sessions

Date
Completed

01 Respiratory system

07a_01_01	Nasal Anatomy	/	/	<input type="checkbox"/>
07a_01_02	Anatomy of the oral cavity, pharynx and larynx	/	/	<input type="checkbox"/>
07a_01_03	Trachea, main bronchi, broncho-pulmonary segments	/	/	<input type="checkbox"/>
07a_01_04	Microstructure of the lungs and pleura	/	/	<input type="checkbox"/>
07a_01_05	Mediastinum and contents	/	/	<input type="checkbox"/>
07a_01_06	Thoracic cage and muscles of respiration	/	/	<input type="checkbox"/>
07a_01_09	Anatomical differences in the developing paediatric airway	/	/	<input type="checkbox"/>
07a_01_10	Interpretation of the normal X-ray	/	/	<input type="checkbox"/>
07a_01_11	Anatomical basis of airway management	/	/	<input type="checkbox"/>

02 Cardiovascular system

07a_02_01	Anatomy of the heart	/	/	<input type="checkbox"/>
07a_02_02	Coronary circulation	/	/	<input type="checkbox"/>
07a_02_03	Conducting system of the heart	/	/	<input type="checkbox"/>
07a_02_04	Great vessels, main peripheral arteries and veins	/	/	<input type="checkbox"/>
07a_02_05	Blood supply to the brain	/	/	<input type="checkbox"/>

03 Nervous system

07a_03_01	Macroscopic anatomy of the brain, CSF, meninges	/	/	<input type="checkbox"/>
07a_03_02	Spinal cord, major ascending and descending pathways	/	/	<input type="checkbox"/>
07a_03_03	Applied epidural anatomy	/	/	<input type="checkbox"/>
07a_03_07	Brachial plexus, nerve supply to the arm and hand	/	/	<input type="checkbox"/>
07a_03_08	Lumbosacral plexus, nerve supply to the leg and foot	/	/	<input type="checkbox"/>
07a_03_10	Cranial nerves and base of skull	/	/	<input type="checkbox"/>
07a_03_11	The globe of the eye	/	/	<input type="checkbox"/>
07a_03_12	Optic pathways, visual fields, motor and sensory innervation	/	/	<input type="checkbox"/>
07a_03_13	Bony orbit and extraocular contents	/	/	<input type="checkbox"/>
07a_03_14	Pain pathways in labour	/	/	<input type="checkbox"/>

05 Bone and joints

07a_05_01	Spine: cervical, thoracic and lumbar vertebrae and sacrum	/	/	<input type="checkbox"/>
07a_05_02	Spine part 2: sacrum, sacral hiatus and ligaments	/	/	<input type="checkbox"/>
07a_05_03	Facial skeleton	/	/	<input type="checkbox"/>
07a_05_04	Bones and joints of the upper and lower limbs	/	/	<input type="checkbox"/>
07a_05_05	Hazards of positioning and pressure areas	/	/	<input type="checkbox"/>

06 Surface Anatomy

07a_06_01	Antecubital fossa	/	/	<input type="checkbox"/>
07a_06_02	Surface anatomy of the neck and clavicular region	/	/	<input type="checkbox"/>
07a_06_03	Landmarks for tracheostomy and cricothyrotomy	/	/	<input type="checkbox"/>
07a_06_04	Surface anatomy of vertebral column in adult and child	/	/	<input type="checkbox"/>

Module 7b Physiology

79 Sessions

01 General Physiology

Date Completed

01 Homeostasis

07b_01_01 Introduction to Physiology

/ /

02 Gene physiology

07b_02_03 Gene transcription and translation.

/ /

03 Cell membranes

07b_03_01 Cell membrane characteristics; receptors

/ /

02 Biochemistry

Date Completed

04 Cellular biochemistry

07b_04_01 Acid base balance and buffers

/ /

05 Enzymes and their function

07b_05_01 Cellular metabolism, enzymes

/ /

06 Ions and the body

07b_06_01 Body water and compartments

/ /

07b_06_02 Cations and anions

/ /

03 Body Fluids

Date Completed

07 Starling's forces and the capillary

07b_07_01 Capillary dynamics and interstitial fluid

/ /

08 Osmolarity and tonicity

07b_08_01 Osmolarity: partition of fluids across membranes

/ /

07b_08_02 Lymphatic system and other circulatory fluids

/ /

04 Haematology and Immunology

Date Completed

09 Haemoglobin

07b_09_01 Red blood cells: haemoglobin and its variants

/ /

10 Blood groups

07b_10_01 Transfusion physiology 1

/ /

07b_10_02 Transfusion physiology 2

/ /

11 Coagulation

07b_11_01 Haemostasis and coagulation 1

/ /

12 Immunology

07b_12_01 Immunity

/ /

07b_12_02 Allergy and inflammatory response

/ /

05 Muscle

Date Completed

13 Skeletal muscle

07b_13_01 Action potential, NMJ and skeletal muscle contraction

/ /

14 Smooth muscle

07b_14_01	Smooth muscle physiology	/ /	<input type="checkbox"/>
07b_14_02	Motor unit	/ /	<input type="checkbox"/>

06 Heart and Circulation

Date Completed

15 Cardiac muscle physiology

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

16 The ECG

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

17 Control of the CVS

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

18 The peripheral circulation

07b_18_01	Peripheral circulation	/ /	<input type="checkbox"/>
07b_18_02	Coronary circulation	/ /	<input type="checkbox"/>
07b_18_03	Pulmonary circulation	/ /	<input type="checkbox"/>

07 Renal Tract

Date Completed

19 Renal function

07b_19_01	Renal morphology, blood supply and glomerular filtration	/ /	<input type="checkbox"/>
07b_19_02	Tubular transport and the proximal tubule	/ /	<input type="checkbox"/>
07b_19_03	Loop of Henle, distal tubule and collecting tubule	/ /	<input type="checkbox"/>

20 Acid-Base control

07b_20_01	Regulation of electrolyte and acid-base balance	/ /	<input type="checkbox"/>
07b_20_02	Renal regulation of body fluid pH	/ /	<input type="checkbox"/>
07b_20_03	Assessment of renal function	/ /	<input type="checkbox"/>

08 Respiration

Date Completed

21 O2 and CO2 Transport

07b_21_01	Gaseous exchange: oxygen	/ /	<input type="checkbox"/>
07b_21_02	Gaseous exchange: hypoxia and hyper- and hypo-capnia	/ /	<input type="checkbox"/>
07b_21_03	Gaseous exchange: hyper- and hypo-baric pressures	/ /	<input type="checkbox"/>
07b_21_04	Function of haemoglobin in oxygen carriage	/ /	<input type="checkbox"/>
07b_21_05	CO2 carriage in blood and acid-base equilibrium	/ /	<input type="checkbox"/>

22 Pulmonary mechanics

07b_22_01	Pulmonary ventilation: volumes, flows, dead space & preoxygenation	/ /	<input type="checkbox"/>
07b_22_02	Ventilation/perfusion abnormalities	/ /	<input type="checkbox"/>
07b_22_03	Mechanics of ventilation and the effect of IPPV on the lungs	/ /	<input type="checkbox"/>

23 Control of respiration

07b_23_01	Control of breathing	/ /	<input type="checkbox"/>
07b_23_02	Ventilatory failure and oxygen therapy	/ /	<input type="checkbox"/>
07b_23_03	Effects of anaesthesia on lung function	/ /	<input type="checkbox"/>

09 Nervous System

Date Completed

24 Nerve cell physiology

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

25 The nervous system

07b_25_01	The brain	/ /	<input type="checkbox"/>
07b_25_02	Autonomic nervous system	/ /	<input type="checkbox"/>

26 Reflex physiology

07b_26_01	Neurological reflexes	/ /	<input type="checkbox"/>
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27 Pain physiology

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

10 Liver

Date Completed

28 Liver physiology

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

11 Gastrointestinal

Date Completed

29 GUT physiology

07b_29_01	Gastric function	/ /	<input type="checkbox"/>
07b_29_02	Physiology of nausea and vomiting	/ /	<input type="checkbox"/>

12 Metabolism

Date Completed

30 Nutrition

07b_30_01	Nutrients: carbohydrates, fats, proteins	/ /	<input type="checkbox"/>
07b_30_02	Metabolic pathways	/ /	<input type="checkbox"/>
07b_30_03	Hormonal control of metabolism	/ /	<input type="checkbox"/>

31 Common Physiological Alterations

07b_31_01	Hormonal, metabolic and inflammatory responses to surgery	/ /	<input type="checkbox"/>
07b_31_02	Physiology of obesity and effects on organ systems	/ /	<input type="checkbox"/>
07b_31_03	Physiology of exercise and CPX Testing	/ /	<input type="checkbox"/>

32 Temperature

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

Date Completed

33 Hormones

07b_33_01	The physiology of hormones	/ /	<input type="checkbox"/>
07b_33_02	Hypothalamic and pituitary function	/ /	<input type="checkbox"/>
07b_33_04	Adrenal hormones I	/ /	<input type="checkbox"/>
07b_33_05	Adrenal hormones II	/ /	<input type="checkbox"/>
07b_33_06	Pancreas: insulin, glucagon and exocrine function	/ /	<input type="checkbox"/>
07b_33_07	Thyroid and parathyroid hormones and calcium homeostasis	/ /	<input type="checkbox"/>

14 Pregnancy

Date
Completed

34 Physiology of the mother

07b_34_01	Physiology of pregnancy and labour 1	/ /	<input type="checkbox"/>
07b_34_02	Physiology of pregnancy and labour 2	/ /	<input type="checkbox"/>
07b_34_03	Functions of the placenta	/ /	<input type="checkbox"/>

35 Fetal physiology

07b_35_01	Materno-fetal circulation changes at birth	/ /	<input type="checkbox"/>
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Module 7c

78 Sessions

Pharmacology

01 Applied Chemistry

Date Completed

01 Organic Chemistry in Medicine

07c_01_02	Interactions between molecules	/ /	<input type="checkbox"/>
07c_01_03	Ionization	/ /	<input type="checkbox"/>
07c_01_04	Isomers	/ /	<input type="checkbox"/>

02 Pharmacodynamics

Date Completed

02 How Chemicals Act as Drugs

07c_02_01	Introduction to mechanisms of specific and non-specific drug action	/ /	<input type="checkbox"/>
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03 Drug-Receptor Interactions

07c_03_01	Agonists and receptors	/ /	<input type="checkbox"/>
07c_03_02	Antagonists and receptors	/ /	<input type="checkbox"/>
07c_03_03	Partial agonists and inverse agonists	/ /	<input type="checkbox"/>
07c_03_04	Drugs acting on ion channels (Voltage and Ligand gated)	/ /	<input type="checkbox"/>

04 Transduction Systems

07c_04_01	Drugs affecting transmembrane signalling	/ /	<input type="checkbox"/>
07c_04_02	Nuclear Drug Receptors	/ /	<input type="checkbox"/>

05 Enzymes as drug targets

07c_05_01	Enzymes as drug targets including anticholinesterases	/ /	<input type="checkbox"/>
07c_05_02	Enzyme induction and inhibition	/ /	<input type="checkbox"/>

06 Unwanted Drug Actions

07c_06_01	Unwanted drug effects	/ /	<input type="checkbox"/>
07c_06_02	Tolerance & Tachyphylaxis	/ /	<input type="checkbox"/>
07c_06_03	Drug Interactions	/ /	<input type="checkbox"/>

03 Pharmacokinetics

Date Completed

07 Basic Pharmacokinetics

07c_07_01	Pharmacokinetics: Absorption and Bioavailability	/ /	<input type="checkbox"/>
07c_07_02	Pharmacokinetics: Distribution, Protein Binding and Body Compartments	/ /	<input type="checkbox"/>
07c_07_03	Pharmacokinetics: Inhalational drug administration	/ /	<input type="checkbox"/>
07c_07_04	Pharmacokinetics: Elimination	/ /	<input type="checkbox"/>
07c_07_05	Pharmacokinetics: Drug Metabolism and Excretion	/ /	<input type="checkbox"/>
07c_07_06	Pharmacokinetics: The Cytochrome P450 system	/ /	<input type="checkbox"/>

08 Pharmacokinetic Models

07c_08_01	Introduction to pharmacokinetics and modelling	/ /	<input type="checkbox"/>
07c_08_02	Two- and three-compartment models	/ /	<input type="checkbox"/>
07c_08_03	Clearance and volume of distribution	/ /	<input type="checkbox"/>
07c_08_04	Target controlled infusions	/ /	<input type="checkbox"/>

09 Link between Pharmacokinetics and Pharmacodynamics

07c_09_01	Pharmacokinetics principles in different patient groups	/ /	<input type="checkbox"/>
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07c_09_02	Pharmacokinetics of intravenous anaesthesia	/	/	<input type="checkbox"/>
07c_09_03	Interindividual Variation in Drug Response	/	/	<input type="checkbox"/>

04 Systematic Pharmacology

Date Completed

10 Inhalational Agents

07c_10_01	Halogenated Volatile Agents and Unwanted Effects of Volatile Agents	/	/	<input type="checkbox"/>
07c_10_02	Nitrous oxide and xenon	/	/	<input type="checkbox"/>
07c_10_03	Mechanism of General Anaesthetic Action	/	/	<input type="checkbox"/>

11 Intravenous Induction Agents

07c_11_01	Benzodiazepines & Sedative agents	/	/	<input type="checkbox"/>
07c_11_02	Propofol	/	/	<input type="checkbox"/>
07c_11_03	The Barbiturates	/	/	<input type="checkbox"/>
07c_11_04	Etomidate	/	/	<input type="checkbox"/>
07c_11_05	Ketamine	/	/	<input type="checkbox"/>
07c_11_06	Properties of an ideal intravenous induction agent	/	/	<input type="checkbox"/>

12 Local Anaesthetics

07c_12_01	Local Anaesthetic Agents	/	/	<input type="checkbox"/>
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13 Analgesics

07c_13_02	Simple analgesia: aspirin and paracetamol	/	/	<input type="checkbox"/>
07c_13_03	Non-Steroidal Anti-Inflammatory Drugs (NSAIDs)	/	/	<input type="checkbox"/>
07c_13_04	Opioid drugs: general properties and mechanisms of action	/	/	<input type="checkbox"/>
07c_13_05	Morphine and other opioids	/	/	<input type="checkbox"/>
07c_13_06	Opioids with weak and partial agonist activity and opioid antagonists	/	/	<input type="checkbox"/>

14 Muscle Relaxants

07c_14_01	The Neuromuscular Junction & the Nicotinic Acetylcholine Receptor	/	/	<input type="checkbox"/>
07c_14_02	Succinylcholine	/	/	<input type="checkbox"/>
07c_14_03	Non-depolarizing muscle relaxants: general properties	/	/	<input type="checkbox"/>
07c_14_04	Aminosteroid neuromuscular blocking agents	/	/	<input type="checkbox"/>
07c_14_05	Benzylisoquinolinium muscle relaxants	/	/	<input type="checkbox"/>
07c_14_06	Reversal of neuromuscular blockade	/	/	<input type="checkbox"/>
07c_14_07	The ideal short acting muscle relaxant	/	/	<input type="checkbox"/>

15 Autonomic Drugs

07c_15_01	The Autonomic nervous system	/	/	<input type="checkbox"/>
07c_15_02	Drugs & the Sympathetic Nervous System	/	/	<input type="checkbox"/>
07c_15_03	Endogenous catecholamines	/	/	<input type="checkbox"/>
07c_15_04	Sympathomimetics	/	/	<input type="checkbox"/>
07c_15_05	Drugs & the Parasympathetic Nervous System	/	/	<input type="checkbox"/>

16 Cardiovascular Drugs

07c_16_01	The CVS and sites for drug effects	/	/	<input type="checkbox"/>
07c_16_01	Classifications for antiarrhythmic drugs	/	/	<input type="checkbox"/>
07c_16_02	Inotropes and vasoconstrictors	/	/	<input type="checkbox"/>
07c_16_03	Drugs used in Ischaemic heart disease	/	/	<input type="checkbox"/>
07c_16_05	Clinical use of Antiarrhythmic agents	/	/	<input type="checkbox"/>
07c_16_06	Drugs to produce intraoperative hypotension	/	/	<input type="checkbox"/>
07c_16_07	Therapeutic Antihypertensives	/	/	<input type="checkbox"/>

07c_16_08	Antihistamines	/	/	<input type="checkbox"/>
17 Drugs Acting in the Blood Stream				
07c_17_01	Anticoagulants	/	/	<input type="checkbox"/>
07c_17_02	Anti-platelet Agents	/	/	<input type="checkbox"/>
07c_17_03	Thromboprophylaxis and thrombosis	/	/	<input type="checkbox"/>
07c_17_04	Fluids for volume expansion	/	/	<input type="checkbox"/>
18 Drugs Acting on the Respiratory System				
07c_18_01	Drugs acting on the respiratory system	/	/	<input type="checkbox"/>
07c_18_02	Drugs used in the treatment of acute asthma	/	/	<input type="checkbox"/>
19 Drugs Acting on the GI and Renal Tracts				
07c_19_01	Drugs acting on the GI tract	/	/	<input type="checkbox"/>
07c_19_02	Antiemetic drugs	/	/	<input type="checkbox"/>
07c_19_03	Diuretics	/	/	<input type="checkbox"/>
20 Drugs Acting on the Central Nervous and Endocrine Systems				
07c_20_01	Antiepileptic drugs (AEDs)	/	/	<input type="checkbox"/>
07c_20_02	Antidepressants	/	/	<input type="checkbox"/>
07c_20_03	Anti-Diabetic Therapy: NIDDM & Insulin Therapy in Diabetes Mellitus	/	/	<input type="checkbox"/>
07c_20_04	Corticosteroids; Thyroxine and drugs used in thyroid disorders	/	/	<input type="checkbox"/>
21 Antimicrobial Agents				
07c_21_01	Antibiotics: mechanisms of action	/	/	<input type="checkbox"/>
07c_21_02	Penicillins & Cephalosporins; Gentamicin & Macrolides	/	/	<input type="checkbox"/>

Module 7d

36 Sessions

Physics and Clinical Measurement

01 Atoms and Molecules in motion

Date Completed

07d_01_01	SI Units	/ /	<input type="checkbox"/>
07d_01_02	Kinetic theory of gases	/ /	<input type="checkbox"/>
07d_01_03	Newtonian mechanics	/ /	<input type="checkbox"/>
07d_01_04	Pressure	/ /	<input type="checkbox"/>
07d_01_05	Gas Laws	/ /	<input type="checkbox"/>
07d_01_06	Gases in solution	/ /	<input type="checkbox"/>
07d_01_07	Density & viscosity	/ /	<input type="checkbox"/>
07d_01_08	Gas storage	/ /	<input type="checkbox"/>
07d_01_09	Gases & vapours	/ /	<input type="checkbox"/>
07d_01_10	Humidity	/ /	<input type="checkbox"/>
07d_01_11	Solvents & solutes	/ /	<input type="checkbox"/>
07d_01_12	Osmosis	/ /	<input type="checkbox"/>
07d_01_13	Heat and temperature	/ /	<input type="checkbox"/>
07d_01_14	Heat transfer	/ /	<input type="checkbox"/>
07d_01_15	Hydrostatics	/ /	<input type="checkbox"/>
07d_01_16	Flow and Energy Transfer	/ /	<input type="checkbox"/>

02 Physiological Models

Date Completed

07d_02_01	Fick principle and IOP	/ /	<input type="checkbox"/>
07d_02_02	Alveolar Gas Equation	/ /	<input type="checkbox"/>
07d_02_03	Apnoeic oxygenation and differential equations	/ /	<input type="checkbox"/>
07d_02_04	Preoxygenation and e	/ /	<input type="checkbox"/>
07d_02_05	Step Change in alveolar ventilation and exponential functions	/ /	<input type="checkbox"/>

03 Subatomic Processes

Date Completed

07d_03_01	Atomic structure	/ /	<input type="checkbox"/>
07d_03_02	Chemical bonds & reactions	/ /	<input type="checkbox"/>
07d_03_03	Molecular structure & isomerism	/ /	<input type="checkbox"/>
07d_03_04	Reaction Rates and Thermodynamics	/ /	<input type="checkbox"/>
07d_03_05	Acids & bases	/ /	<input type="checkbox"/>
07d_03_06	Radioactivity	/ /	<input type="checkbox"/>
07d_03_07	Electromagnetic spectrum	/ /	<input type="checkbox"/>
07d_03_08	Light	/ /	<input type="checkbox"/>
07d_03_09	Lasers	/ /	<input type="checkbox"/>

04 Electricity and Magnetism

Date Completed

07d_04_01	Definitions and Simple Circuits	/	/	<input type="checkbox"/>
07d_04_02	Resistance, Inductance and Capacitance Elements in Electrical Circuits	/	/	<input type="checkbox"/>
07d_04_03	Operational Amplifiers, Electronic Circuits	/	/	<input type="checkbox"/>
07d_04_04	Excitable tissues & biological potentials	/	/	<input type="checkbox"/>
07d_04_05	Magnetism & current	/	/	<input type="checkbox"/>
07d_04_06	Nuclear magnetism & MRI	/	/	<input type="checkbox"/>

Module 7e Equipment

45 Sessions

Date
Completed

01 Gas Supplies

07e_01_01	Sources of central gas supply	/	/	<input type="checkbox"/>
07e_01_02	Gas cylinders	/	/	<input type="checkbox"/>
07e_01_03	Piped gas supply	/	/	<input type="checkbox"/>

02 The anaesthetic machine

07e_02_01	Pressure regulator, pressure gauge, flowmeters	/	/	<input type="checkbox"/>
07e_02_02	Vaporizers, oxygen flush and alarms	/	/	<input type="checkbox"/>
07e_02_03	Pollution and scavenging	/	/	<input type="checkbox"/>
07e_02_04	Checking of anaesthetic equipment	/	/	<input type="checkbox"/>

03 Breathing systems

07e_03_01	Mapleson classification	/	/	<input type="checkbox"/>
07e_03_02	Circle system	/	/	<input type="checkbox"/>

04 Airway Equipment

07e_04_01	Face masks and oxygen delivery devices	/	/	<input type="checkbox"/>
07e_04_02	Oropharyngeal and nasopharyngeal airways	/	/	<input type="checkbox"/>
07e_04_03	Extraglottic airway devices	/	/	<input type="checkbox"/>
07e_04_04	Laryngoscopes and intubation aides	/	/	<input type="checkbox"/>
07e_04_05	Tracheal tubes	/	/	<input type="checkbox"/>
07e_04_06	Tracheostomy and cricothyrotomy tubes	/	/	<input type="checkbox"/>
07e_04_07	Breathing systems filters	/	/	<input type="checkbox"/>

05 Ventilators

07e_05_01	Classification and function of ventilators	/	/	<input type="checkbox"/>
07e_05_02	Emergency and transport ventilators	/	/	<input type="checkbox"/>

06 Humidification

07e_06_01	Humidification	/	/	<input type="checkbox"/>
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07 Patient Monitoring

07e_07_01	Standards of monitoring during anaesthesia and recovery	/	/	<input type="checkbox"/>
07e_07_02	Electrocardiogram (ECG)	/	/	<input type="checkbox"/>
07e_07_03	Pulse oximetry	/	/	<input type="checkbox"/>
07e_07_04	Capnography	/	/	<input type="checkbox"/>
07e_07_05	Non-invasive blood pressure measurement (NIBP)	/	/	<input type="checkbox"/>
07e_07_06	Invasive BP measurement	/	/	<input type="checkbox"/>
07e_07_07	Central venous and pulmonary artery catheters	/	/	<input type="checkbox"/>
07e_07_08	Monitoring of neuromuscular conduction	/	/	<input type="checkbox"/>
07e_07_09	Temperature measurement	/	/	<input type="checkbox"/>
07e_07_10	Arterial blood gases	/	/	<input type="checkbox"/>
07e_07_11	Oesophageal doppler cardiac output monitoring	/	/	<input type="checkbox"/>
07e_07_12	BIS, entropy and evoked potentials	/	/	<input type="checkbox"/>

08 Monitoring of gas delivery

07e_08_01	Oxygen concentration analysers	/	/	<input type="checkbox"/>
07e_08_02	N2O and anaesthetic agent monitoring	/	/	<input type="checkbox"/>
07e_08_03	Wright's respirometer, pneumotachograph and ventilator alarms	/	/	<input type="checkbox"/>

09 Defibrillators and pacemakers

07e_09_01	Defibrillators and pacemakers	/	/	<input type="checkbox"/>
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10 Fluid management equipment

07e_10_01	Intravenous cannulae and Giving Sets	/	/	<input type="checkbox"/>
07e_10_02	Haemofiltration and dialysis	/	/	<input type="checkbox"/>
07e_10_03	Infusion devices	/	/	<input type="checkbox"/>

11 Regional anaesthesia

07e_11_01	Spinal needles	/	/	<input type="checkbox"/>
07e_11_02	Equipment used in epidural anaesthesia	/	/	<input type="checkbox"/>
07e_11_03	Equipment for peripheral nerve block	/	/	<input type="checkbox"/>

12 Equipment to prevent cross infection

07e_12_01	Sterilization	/	/	<input type="checkbox"/>
07e_12_02	Disinfection	/	/	<input type="checkbox"/>

13 Electrical safety

07e_13_01	Electrical safety 1: biological effects, electrical hazards	/	/	<input type="checkbox"/>
07e_13_02	Electrical safety 2	/	/	<input type="checkbox"/>

Module 7f

41 Sessions

Mathematics and Statistics

01 Mathematics

Date Completed

01 Functions

7f_01_01	Functions	/	/	<input type="checkbox"/>
7f_01_02	Exponential functions	/	/	<input type="checkbox"/>
7f_01_03	Logarithms	/	/	<input type="checkbox"/>
7f_01_04	Waveforms	/	/	<input type="checkbox"/>

02 Calculus

7f_02_01	Differentiation	/	/	<input type="checkbox"/>
7f_02_02	Integration	/	/	<input type="checkbox"/>

03 Fick principle

7f_03_01	Fick principle	/	/	<input type="checkbox"/>
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04 Principles of Measurement

7f_04_01	Basics of Measurement	/	/	<input type="checkbox"/>
7f_04_02	Resonance and damping	/	/	<input type="checkbox"/>

05 Modelling with Mathematics

7f_05_01	Mathematical modelling and Input-Output Principle (IOP)	/	/	<input type="checkbox"/>
7f_05_02	Model construction: CO ₂ & alveolar ventilation	/	/	<input type="checkbox"/>
7f_05_03	Examination of model	/	/	<input type="checkbox"/>
7f_05_04	Mathematical functions	/	/	<input type="checkbox"/>
7f_05_10	Basic calculus - differentiation	/	/	<input type="checkbox"/>
7f_05_11	Basic calculus - integration	/	/	<input type="checkbox"/>
7f_05_12	Logarithms and pH	/	/	<input type="checkbox"/>
7f_05_13	Mathematics & principles of measurement	/	/	<input type="checkbox"/>

02 Probability & Statistics

Date Completed

2007_03_06	CEACCP Statistics I: Data and Correlations	/	/	<input type="checkbox"/>
2007_03_06	CEACCP: Statistics I: Data and Correlations MCQs	/	/	<input type="checkbox"/>
2007_04_05	CEACCP Statistics II: Central tendency and spread of data	/	/	<input type="checkbox"/>
2007_04_05	CEACCP: Statistics II: Central tendency and spread of data MCQs	/	/	<input type="checkbox"/>
2007_05_06	CEACCP Statistics III: Probability and statistical tests	/	/	<input type="checkbox"/>
2007_05_06	CEACCP: Statistics III: Probability and statistical tests MCQs	/	/	<input type="checkbox"/>
2007_06_07	CEACCP Interpreting the results of statistical tests	/	/	<input type="checkbox"/>
2007_06_07	CEACCP: Interpreting the results of statistical tests MCQs	/	/	<input type="checkbox"/>
2008_04_07	CEACCP Introduction to clinical trials and systematic reviews	/	/	<input type="checkbox"/>
2008_04_07	CEACCP: Introduction to clinical trials and systematic reviews MCQs	/	/	<input type="checkbox"/>
7f_06_06	Random processes	/	/	<input type="checkbox"/>
7f_06_07	Estimation & decision-making	/	/	<input type="checkbox"/>
7f_06_08	Hypothesis testing	/	/	<input type="checkbox"/>
7f_06_09	Confidence	/	/	<input type="checkbox"/>
7f_06_10	Samples of unknown mean & variance	/	/	<input type="checkbox"/>

7f_06_11	Related variables	/	/	<input type="checkbox"/>
7f_06_12	Categorical variables	/	/	<input type="checkbox"/>
7f_06_13	Non-parametric data	/	/	<input type="checkbox"/>
7f_06_14	Diagnostic testing	/	/	<input type="checkbox"/>
7f_06_15	Display of statistical data	/	/	<input type="checkbox"/>
7f_06_16	Clinical studies part one: cohort studies and measures of association	/	/	<input type="checkbox"/>
7f_06_17	Clinical studies part two: study design	/	/	<input type="checkbox"/>
7f_06_18	Meta-analysis and evidence-based medicine	/	/	<input type="checkbox"/>
7f_06_19	Choice of test	/	/	<input type="checkbox"/>