

## Module 4a

### Obstetrics

27 Sessions

Date  
Completed

#### 01 Pregnancy and labour

04a_01_01	Physiological changes during pregnancy	/	/	<input type="checkbox"/>
04a_01_02	Pharmacological changes during pregnancy	/	/	<input type="checkbox"/>
04a_01_03	Pregnancy and drugs used by anaesthetists	/	/	<input type="checkbox"/>
04a_01_04	The fetal circulation	/	/	<input type="checkbox"/>
04a_01_05	Physiology of labour	/	/	<input type="checkbox"/>

#### 02 Assessment and consent

04a_02_01	Preoperative assessment and preparation	/	/	<input type="checkbox"/>
04a_02_02	Informed consent in obstetric anaesthesia	/	/	<input type="checkbox"/>

#### 03 Labour analgesia

04a_03_01	Labour analgesia: alternatives to regional analgesia	/	/	<input type="checkbox"/>
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#### 04 Regional analgesia & anaesthesia

04a_04_01	Regional analgesia 1: anatomy, equipment, drugs	/	/	<input type="checkbox"/>
04a_04_02	Regional analgesia 2: technique - epidural CSE analgesia	/	/	<input type="checkbox"/>
04a_04_03	Regional analgesia 3: technique - spinal CSE anaesthesia	/	/	<input type="checkbox"/>
04a_04_04	Regional analgesia 4: risks and benefits	/	/	<input type="checkbox"/>
04a_04_05	Regional analgesia 5: managing common complications	/	/	<input type="checkbox"/>
04a_04_06	Regional analgesia 6: managing serious complications	/	/	<input type="checkbox"/>

#### 05 General anaesthesia in obstetrics

04a_05_01	General anaesthesia for caesarean section	/	/	<input type="checkbox"/>
04a_05_02	General anaesthesia in obstetrics: risks and benefits	/	/	<input type="checkbox"/>
04a_05_03	General anaesthesia in obstetrics: managing serious complications	/	/	<input type="checkbox"/>

#### 06 Choice of anaesthetic technique

04a_06_01	Basic obstetrics	/	/	<input type="checkbox"/>
04a_06_02	Choice of anaesthetic technique	/	/	<input type="checkbox"/>

#### 07 Serious problems in obstetric anaesthesia

04a_07_01	Cardiac arrest in pregnancy	/	/	<input type="checkbox"/>
04a_07_02	Recognising the sick mother	/	/	<input type="checkbox"/>
04a_07_03	Major haemorrhage in obstetrics	/	/	<input type="checkbox"/>
04a_07_04	Preeclampsia and eclampsia	/	/	<input type="checkbox"/>
04a_07_05	Venous thromboembolism (VTE) and pregnancy	/	/	<input type="checkbox"/>
04a_07_06	The obese mother	/	/	<input type="checkbox"/>

#### 08 Postnatal issues

04a_08_01	Breastfeeding and anaesthesia	/	/	<input type="checkbox"/>
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#### 09 Anaesthesia during pregnancy outside the delivery suite

04a_09_01	Anaesthesia in early pregnancy, and for incidental surgery	/	/	<input type="checkbox"/>
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## Module 4b Paediatrics

70 Sessions

Date  
Completed

### 01 Developmental anatomy

04b\_01\_01 Developmental anatomy / /

### 02 Developmental physiology

04b\_02\_01 Adaptation to extrauterine life / /

04b\_02\_02 Changes in major organs, blood and biochemistry / /

04b\_02\_03 Development of the pain system / /

04b\_02\_04 Development of the neuromuscular system / /

### 03 Developmental pharmacology

04b\_03\_01 Body composition and growth / /

04b\_03\_02 Pharmacokinetic, pharmacodynamic and pharmacogenomic differences between / /

04b\_03\_03 Volatile agents / /

04b\_03\_04 Intravenous agents / /

04b\_03\_05 Neuromuscular blocking drugs / /

04b\_03\_06 Local anaesthetics / /

04b\_03\_07 Opioids in Paediatrics / /

04b\_03\_08 NSAIDs & paracetamol / /

### 04 Paediatric Resuscitation

04b\_04\_01 Paediatric & Neonatal Basic Life Support / /

04b\_04\_02 Advanced paediatric life support / /

### 05 Stabilisation of the Sick or Injured Child

04b\_05\_01 Head injury / /

04b\_05\_02 Multiply injured child / /

04b\_05\_03 Burns / /

04b\_05\_04 Fractured femur / /

04b\_05\_05 Paediatric septic shock / /

04b\_05\_06 Managing paediatric laryngospasm / /

### 06 Safeguarding children

04b\_06\_01 Local procedures, RCPCH/RCoA/APA guidelines / /

04b\_06\_02 Safeguarding children - local procedures / /

### 07 Preparation for anaesthesia

04b\_07\_01 Managing children's perioperative anxiety - psychological issues and Interventions Part / /

04b\_07\_02 Managing children's perioperative anxiety - psychological issues and Interventions Part / /

04b\_07\_03 Preoperative assessment of the child patient / /

04b\_07\_04 Premedication including topical local anaesthesia / /

### 08 Paediatric Equipment

04b\_08\_01 Breathing systems, filters & humidification / /

04b\_08\_02 Airway devices, tracheal tubes & sizes / /

04b\_08\_03 Intravenous and intraosseous equipment / /

## 09 Induction of anaesthesia

04b_09_01	Inhalational induction	/	/	<input type="checkbox"/>
04b_09_02	Intravenous induction	/	/	<input type="checkbox"/>

## 10 Maintenance of anaesthesia

04b_10_01	Spontaneous ventilation techniques	/	/	<input type="checkbox"/>
04b_10_02	Controlled ventilation techniques	/	/	<input type="checkbox"/>
04b_10_03	TIVA principles in children	/	/	<input type="checkbox"/>
04b_10_04	Recognition and treatment of malignant hyperthermia	/	/	<input type="checkbox"/>

## 11 Analgesia

04b_11_01	Paediatric caudal block	/	/	<input type="checkbox"/>
04b_11_02	Penile block	/	/	<input type="checkbox"/>
04b_11_03	Inguinal block	/	/	<input type="checkbox"/>
04b_11_04	Femoral, 3-in-1, fascia iliaca blocks	/	/	<input type="checkbox"/>
04b_11_05	Ring blocks, metacarpal and metatarsal blocks	/	/	<input type="checkbox"/>
04b_11_06	Infraorbital & Posterior auricular block nerve blocks	/	/	<input type="checkbox"/>
04b_11_07	Safety and treatment of LA toxicity in children	/	/	<input type="checkbox"/>
04b_11_08	Opioids: titration to analgesia	/	/	<input type="checkbox"/>
04b_11_09	Opioids: morphine Infusions, PCA and NCA in children	/	/	<input type="checkbox"/>
04b_11_10	Opioids: monitoring, safety and adverse effects	/	/	<input type="checkbox"/>
04b_11_11	The pharmacology of NSAIDs in children	/	/	<input type="checkbox"/>
04b_11_12	Paracetamol (acetaminophen) in children	/	/	<input type="checkbox"/>

## 12 Fluid & electrolyte management

04b_12_01	Calculations, corrections and maintenance 1	/	/	<input type="checkbox"/>
04b_12_02	Calculations, corrections and maintenance 2	/	/	<input type="checkbox"/>
04b_12_03	Maintenance fluids in the perioperative period	/	/	<input type="checkbox"/>
04b_12_04	Monitoring and titration of fluid therapy	/	/	<input type="checkbox"/>
04b_12_05	Blood and blood product therapy in children	/	/	<input type="checkbox"/>

## 13 Anaesthesia for children age >5y

04b_13_01	Herniotomy, orchidopexy, torsion of the testis	/	/	<input type="checkbox"/>
04b_13_02	Circumcision	/	/	<input type="checkbox"/>
04b_13_03	Appendicectomy & laparotomy	/	/	<input type="checkbox"/>
04b_13_04	Removal of foreign body	/	/	<input type="checkbox"/>
04b_13_05	Myringotomy & grommets	/	/	<input type="checkbox"/>
04b_13_06	Adenotonsillectomy & the bleeding tonsil	/	/	<input type="checkbox"/>
04b_13_07	Eyelid laceration repair, tear duct probing and examination under anaesthetic (EUA)	/	/	<input type="checkbox"/>
04b_13_08	Strabismus correction	/	/	<input type="checkbox"/>
04b_13_09	Forearm fracture	/	/	<input type="checkbox"/>
04b_13_10	Fractured femur	/	/	<input type="checkbox"/>
04b_13_11	Burns debridement & dressing	/	/	<input type="checkbox"/>
04b_13_12	Derotation osteotomy	/	/	<input type="checkbox"/>
04b_13_13	Anaesthesia for a child with cerebral palsy	/	/	<input type="checkbox"/>
04b_13_14	Upper and lower GI endoscopy	/	/	<input type="checkbox"/>

## 14 Postoperative care

04b_14_01	Recovery from anaesthesia & discharge criteria	/	/	<input type="checkbox"/>
04b_14_02	Postoperative analgesia: day cases and In-patients	/	/	<input type="checkbox"/>



## Module 4c

27 Sessions

# Anaesthesia in the Elderly

Date  
Completed

### 01 Introduction to the Elderly

04c_01_01	Communication difficulties	/	/	<input type="checkbox"/>
04c_01_02	Cultural factors in dealing with the elderly	/	/	<input type="checkbox"/>
04c_01_03	Frailty: a description of elderly reserve	/	/	<input type="checkbox"/>
04c_01_04	End of life issues	/	/	<input type="checkbox"/>
04c_01_05	Assessing social support and planning discharge	/	/	<input type="checkbox"/>
04c_01_06	Consent and autonomy	/	/	<input type="checkbox"/>
04c_01_07	Do Not Attempt Resuscitation Orders	/	/	<input type="checkbox"/>

### 02 Cardiovascular system

04c_02_01	The great vessels: arteriosclerosis	/	/	<input type="checkbox"/>
04c_02_02	The heart: diastolic dysfunction	/	/	<input type="checkbox"/>
04c_02_03	Autonomic dysfunction	/	/	<input type="checkbox"/>

### 03 Respiratory System

04c_03_01	Structural and volume changes in the lung	/	/	<input type="checkbox"/>
04c_03_02	Gas exchange in the elderly lung	/	/	<input type="checkbox"/>
04c_03_03	Control of ventilation	/	/	<input type="checkbox"/>

### 04 Nervous system

04c_04_01	Age related brain and neurotransmitter changes	/	/	<input type="checkbox"/>
04c_04_02	Assessment of cognitive function	/	/	<input type="checkbox"/>
04c_04_03	Perioperative Cognitive Dysfunction	/	/	<input type="checkbox"/>
04c_04_04	Parkinson's disease	/	/	<input type="checkbox"/>
04c_04_05	Alzheimer's disease	/	/	<input type="checkbox"/>
04c_04_06	Delirium and dementia	/	/	<input type="checkbox"/>
04c_04_07	Age related changes in MAC	/	/	<input type="checkbox"/>
04c_04_08	Older people and pain	/	/	<input type="checkbox"/>

### 05 Metabolic functions

04c_05_01	Renal function	/	/	<input type="checkbox"/>
04c_05_02	Hepatic and gastrointestinal function	/	/	<input type="checkbox"/>

### 06 Hip fractures

04c_06_01	Surgical management of hip fractures	/	/	<input type="checkbox"/>
04c_06_02	The preoperative management of hip fractures	/	/	<input type="checkbox"/>
04c_06_03	Acute orthogeriatric care	/	/	<input type="checkbox"/>
04c_06_04	Anaesthesia for hip fractures	/	/	<input type="checkbox"/>