

## Volume of Practice amendments applicable from December 5, 2016

### Amendments for the clinical fundamentals

#### Airway management

Volume of practice			
Case/procedure	Introductory training	Basic training	Advanced training
Endotracheal intubation	20	–	–
Use of different laryngoscopes to visualise the larynx May include video laryngoscope, alternative blades	10		–
Insertion of reinforced/flexible LMA	<del>5</del> 0		–
Relief of airway obstruction with difficult mask ventilation	<del>5</del> 0		–
Nasal intubation		10	
Gaseous induction of general anaesthesia (in an adult)		5	
Awake fiberoptic bronchoscopy or intubation		5	
Teaching of a simple airway skill to others		<del>5</del> 0	
<b>Total minimum VOP</b>		<del>65</del> 50	

#### General anaesthesia and sedation

Volume of practice			
Case/procedure	Introductory training	Basic training	Advanced training
Arterial cannulation		40	
Central venous cannulation (maximum 35 by any single route of access)		40	

Anaesthesia using TIVA	50
Teaching of a technical skill to others, not including airway skills, for example, vascular access	<del>50</del>
<b>Total minimum VOP</b>	<b><del>135</del>130</b>

## Pain medicine

Volume of practice			
Case/procedure	Introductory training	Basic training	Advanced training
Acute pain sessions with <b>1:1</b> supervision	2	–	–
Acute pain sessions	–	18	–
Acute pain sessions	–	–	20
<b>Total minimum acute pain sessions</b>	<b>40</b>		
Management of patients with chronic pain <del>in any setting</del> May include managing acute pain for a patient with chronic pain, planning perioperative management for a patient with chronic pain, or consultation in a pain clinic.		20	
Provision of regional analgesia for the management of acute or chronic pain Must exclude obstetric pain		20	
Prescription and management of patient controlled analgesia and/or analgesic infusions for patients with acute pain		<del>100</del> 0	
<b>Total minimum VOP</b>	<b><del>140</del> 40</b>		

## Perioperative medicine

Volume of practice			
Case/procedure	Introductory training	Basic training	Advanced training
<b>Perioperative medicine – clinic sessions</b>			
Pre-admission clinic sessions with 1:1 supervision	2	–	–
Pre-admission clinic sessions with level 2 supervision	–	8	–
Pre-admission clinic sessions	–	–	10
<b>Total minimum pre-admission clinic sessions</b>	<b>20</b>		
<b>Perioperative medicine</b> <b>Patient factors and medical conditions volume of practice to be achieved throughout introductory, basic and advanced training</b>			
<b>Respiratory disorders</b> Obstructive sleep apnoea 20 0 Chronic obstructive airways disease 20 0 Asthma 20 0	<b>Metabolic and endocrine disorders</b> Diabetes 20 0 Morbid obesity 20 0 Chronic steroid use/dependence 40 0	<b>Neurological and neuromuscular disorders</b> Transient ischaemic attacks and stroke 20 0 Epilepsy 40 0	
<b>Cardiovascular disorders</b> Ischaemic heart disease 20 0 Pacemakers/AICDs 40 0 Congestive cardiac failure 20 0 Valvular heart disease 40 0 Peripheral vascular disease 20 0 Hypertension 20 0 Arrhythmias and conduction abnormalities 20 0 Patients at high risk of thromboembolism 5 0	<b>Renal, fluid and electrolyte disorders</b> Kidney failure requiring dialysis 40 0	<b>Gastrointestinal disorders</b> Gastro-oesophageal reflux 20 0 Chronic liver disease 40-0 Bowel obstruction 5 0	
<b>Haematological and oncology disorders</b> Anticoagulant use 20 0	<b>Rheumatological disorders</b> Rheumatological disorders 40 0	<b>Infectious diseases</b> for example HIV, hepatitis 5 0	
<b>Total minimum VOP 345 0</b>			

## Regional and local anaesthesia

Volume of practice			
Case/procedure	Introductory training	Basic training	Advanced training
<b>Central neuraxial blocks</b>			
Epidural – thoracic		50	
Epidural – lumbar May include epidurals from obstetric specialised study unit		70	
Spinal <del>Must include 30 non-obstetric</del> <del>Note: Combined spinal-epidural may count for volume of practice of both spinal and lumbar epidural</del>		70	
<b>Regional anaesthesia/analgesia</b>			
Independent intra-operative management of procedure performed solely under central neural blockade ASA 1 or 2 patients, procedure of moderate complexity with distant supervision May be covered in volume of practice for central neuraxial blockade	1		–
Upper limb Must include 1 anaesthesia/analgesia for shoulder pathology Must include minimum 5 brachial plexus blocks		10	
Thorax, abdomen or pelvis (non-neuraxial only) <del>Must include five non-neuraxial</del>		5	
Knee (must be non-neuraxial)		5	
Lower limb (must be non-neuraxial, <b>not</b> knee or hip)		5	
Hip (must be non-neuraxial)		5	
<b>Total minimum VOP</b>		<del>176</del> 171	

## Resuscitation, trauma and crisis management

Volume of practice			
Case/procedure	Introductory training	Basic training	Advanced training
Trauma team member for the initial assessment and resuscitation of a multi-trauma case <i>Note: EMST course (or equivalent, for example ATLS) required if volume of practice is not met</i>		40 5	
<b>Total minimum VOP</b>		<b>40 5</b>	

## Safety and quality in anaesthetic practice

Volume of practice
No associated volume of practice requirements

## Amendments for the specialised study units

### Cardiac surgery and interventional cardiology

Volume of practice		
Case/procedure	Inclusions or exclusions	VOP
Cardiac surgery and interventional cardiology procedures	Minimum 11 involving use of cardiopulmonary bypass May include: <ul style="list-style-type: none"> <li>• Acute coronary stenting</li> <li>• EP ablation procedures</li> </ul>	20
Simple cardiological procedures	May include: <ul style="list-style-type: none"> <li>• Cardioversion</li> <li>• Pacemaker check</li> <li>• TOE</li> </ul>	10
<b>Total minimum VOP</b>		<b>30</b>

### General surgical, urological, gynaecological and endoscopic procedures

Volume of practice		
Case/procedure	Inclusions or exclusions	VOP
Emergency laparotomy	May include: <ul style="list-style-type: none"> <li>• Bleeding, not including trauma-related</li> <li>• Trauma</li> <li>• Bowel obstruction</li> <li>• Organ perforation</li> </ul>	25
Elective major <del>open</del> upper abdominal surgery	May include: <ul style="list-style-type: none"> <li>• Adrenalectomy</li> <li>• Bariatric surgery</li> <li>• Biliary surgery</li> <li>• Gastrectomy</li> <li>• Liver resection</li> <li>• Nephrectomy</li> <li>• Oesophageal surgery</li> <li>• Pancreatectomy / Whipples' procedure</li> <li>• Splenectomy</li> </ul>	10

Laparoscopic upper abdominal surgery	May include: <ul style="list-style-type: none"> <li>• Adrenalectomy</li> <li>• Bariatric surgery</li> <li>• Biliary surgery</li> <li>• Gastrectomy</li> </ul>	<del>20</del> 0
Elective major <del>open</del> lower abdominal and pelvic surgery	May include: <ul style="list-style-type: none"> <li>• Abdominal hysterectomy</li> <li>• Colorectal surgery</li> <li>• Cystectomy</li> <li>• Open prostatectomy</li> </ul>	15
<del>Laparoscopic lower abdominal and pelvic surgery</del> Minor laparoscopic surgery	May include: <ul style="list-style-type: none"> <li>• Laparoscopic cholecystectomy</li> <li>• Laparoscopic appendectomy</li> <li>• Laparoscopic ovarian cystectomy</li> <li>• <del>Diagnostic laparoscopy</del></li> </ul>	<del>20</del> 0
Abdominal wall and perineal surgery	May include: <ul style="list-style-type: none"> <li>• Haemorrhoidectomy</li> <li>• Hernia repair</li> <li>• Incision and drainage of perineal abscess</li> <li>• Orchidopexy</li> <li>• Minor per vaginal surgery</li> </ul>	<del>20</del> 0
Endoscopic urological surgery	Must include: <ul style="list-style-type: none"> <li>• Minimum five TURPs</li> </ul> May include: <ul style="list-style-type: none"> <li>• TURBT</li> <li>• Ureteroscopy</li> <li>• PCNL</li> </ul>	20
Major per-vaginal surgery	May include: <ul style="list-style-type: none"> <li>• Vaginal hysterectomy</li> </ul>	5
Breast surgery	n/a	5
Upper GI endoscopy	Must include: <ul style="list-style-type: none"> <li>• Minimum one emergent gastroscopy for bleeding</li> <li>• Minimum one ERCP</li> </ul>	<del>10</del> 2
Colonoscopy and per-rectal procedures	n/a	<del>5</del> 0
<b>Total minimum VOP</b>		<del>155</del> 82

## Head and neck, ear, nose and throat, dental surgery and electro-convulsive therapy

Volume of practice		
Case/procedure	Inclusions or exclusions	VOP
Airway surgery	Tonsillectomy and/or adenoidectomy	10
	May include: <ul style="list-style-type: none"> <li>• Laser airway surgery</li> <li>• Microlaryngoscopy</li> <li>• Removal of foreign bodies from upper or lower airways</li> <li>• Tracheostomy</li> </ul>	10
Head and neck surgery	Minimum ONE of each of the following types of surgery: <ul style="list-style-type: none"> <li>• Nasal surgery</li> <li>• Thyroidectomy/parathyroidectomy</li> <li>• Myringoplasty/middle ear surgery</li> <li>• Neck dissection</li> </ul>	20
Dental surgery	n/a	10
ORIF mandible	n/a	1
Electro-convulsive therapy	n/a	10
<b>Total minimum VOP</b>		<b>61</b>

## Intensive care

Volume of practice
A minimum of 13 weeks clinical experience, which may include up to two weeks of normal leave, is required for this specialised study unit.

## Neurosurgery and neuroradiology

Volume of practice		
Case/procedure	Inclusions or exclusions	VOP
Neurosurgical and neuroradiological procedures	Must include: <ul style="list-style-type: none"> <li>• Minimum 15 craniotomy</li> </ul> May include: <ul style="list-style-type: none"> <li>• Burr hole procedures</li> </ul>	25



	<ul style="list-style-type: none"> <li>Interventional neuroradiological procedures for intracranial vascular pathology</li> <li>Shunt procedures</li> </ul> Excludes: <ul style="list-style-type: none"> <li>Surgery for spinal pathology</li> <li><del>Shunt procedures</del></li> </ul>	
Spinal surgery	n/a	10
Shunt procedures	n/a	40
<b>Total minimum VOP</b>		<b>36 35</b>

## Obstetric anaesthesia and analgesia

Volume of practice		
Case/procedure	Inclusions or exclusions	VOP
Caesarean section	Must include: <ul style="list-style-type: none"> <li>Minimum five cases under general anaesthesia</li> <li>Minimum five cases requiring epidural top-up</li> </ul>	50
Epidural for labour analgesia	May be counted toward the target for lumbar epidurals for the regional and local anaesthesia clinical fundamental	50
Management of postpartum complications	n/a	5
Care of the newborn following delivery	Includes routine care of a baby following vaginal or caesarean section delivery	5
<b>Total minimum VOP</b>		<b>110</b>

## Ophthalmic procedures

Volume of practice		
Case/procedure	Inclusions or exclusions	VOP
Ophthalmic surgery	Must include 10 under regional eye block Can include eye block performed by surgeon	20
<b>Total minimum VOP</b>		<b>20</b>

## Orthopaedic surgery

Volume of practice		
Case/procedure	Inclusions or exclusions	VOP
Hip fracture	n/a	25
Internal fixation long bones	n/a	10
Hip arthroplasty, elective	Must include minimum one hip revision	10
Knee arthroplasty	n/a	10
Shoulder surgery	May include shoulder arthroscopy	3
Arthroscopy	May include shoulder surgery	5
<b>Total minimum VOP</b>		<b>63</b>

## Paediatric anaesthesia

Volume of practice	
Case/procedure and inclusions or exclusions	VOP
Age $\geq$ 6 years and $<$ 16 years	105
Age $\geq$ 2 and $<$ 6 years	20
Age $\geq$ 6 months and $<$ 2 years	20
Age $<$ 6 months	5
<p>These cases should include a minimum of:</p> <ul style="list-style-type: none"> <li>• 20 minor emergencies cases</li> <li>• 20 minor elective procedures not including shared airway cases</li> <li>• 10 medical imaging procedures (for example, CT or MRI)</li> <li>• 20 shared airway procedures which may include:               <ul style="list-style-type: none"> <li>• Tonsillectomy,</li> <li>• Dental extraction,</li> <li>• Removal of inhaled foreign body</li> </ul> </li> </ul>	
<b>Total minimum VOP for any age <math>&lt;</math>16 years</b>	<b>150</b>

## Plastic, reconstructive and burns surgery

There are no volume of practice requirements for this specialised study unit. Credit for this unit will be given at the successful completion of the advanced training period.

## Thoracic surgery

Volume of practice		
Case/procedure	Inclusions or exclusions	VOP
Thoracotomy and/or thoracoscopy	Excludes: <ul style="list-style-type: none"> <li>• Cardiac surgery</li> <li>• Sternotomy cases</li> </ul>	10
Bronchoscopy	Must involve care of patients undergoing this procedure, with proceduralists from any specialty	5
<b>Total minimum VOP</b>		<b>15</b>

## Vascular surgery and interventional radiology

Volume of practice		
Case/procedure	Inclusions or exclusions	VOP
Carotid endarterectomy	n/a	2
Open surgery for peripheral arterial occlusive disease	n/a	5
Major limb amputation	n/a	<del>5</del> 2
AV fistula formation	n/a	3
Abdominal aortic surgery	May include open, endoluminal, elective or acute	3
Interventional radiological procedures	Excludes: <ul style="list-style-type: none"> <li>• Interventional neuroradiological procedures</li> <li>• Interventional cardiological procedures</li> </ul>	10
<b>Total minimum VOP</b>		<del>28</del> 25