**2021 RCOA Anaesthetics Curriculum - Annex E - Stage 3 Special Interest Areas; Anaesthesia for vascular surgery**

**Key Capabilities A**

*Capable of providing advanced cardiovascular risk assessment relating to vascular surgery.*

Suggested reading:

[*ESC 2014 guidelines; CV assessment and management*](https://academic.oup.com/eurheartj/article/35/35/2383/425095)

[Durrand J and Danjoux G. Preoperative assessment of patients for major vascular surgery. Anaesthesia & Intensive Care Medicine. Volume 20, Issue 5, May 2019, Pages 257-261](https://www.sciencedirect.com/science/article/abs/pii/S1472029919300438) *.*

[Zarinsefat A and Henke P. Update in preoperative risk assessment in vascular surgery patients J Vasc Surg 2015;62:499-509.](https://www.jvascsurg.org/article/S0741-5214(15)01152-0/fulltext)

**Key Capabilities B**

*Manages the preoperative care of elective and emergency open AAA repair.*

Suggested reading:

[Abdominal aortic aneurysm: diagnosis and management - NICE guideline NG156,2020.](https://www.nice.org.uk/guidance/ng156)

[Abdominal aortic aneurysm: diagnosis and management – Evidence review L: Anaesthesia and analgesia for people having surgical repair of an abdominal aortic aneurysm – NICE guideline NG156, 2020.](https://www.nice.org.uk/guidance/ng156/evidence/l-anaesthesia-and-analgesia-for-people-having-surgical-repair-of-an-abdominal-aortic-aneurysm-pdf-255167681368)

[Management and Transfer of Patients with a Diagnosis of Ruptured Abdominal Aortic Aneurysm to a Specialist Vascular Centre – RCEM Best Practice Guideline, 2019](https://www.rcem.ac.uk/docs/RCEM%20Guidance/RCEM_BPC_rAAA_220119%20FINAL.pdf).

[Howell SJ. Abdominal aortic aneurysm repair in the United Kingdom: an exemplar for the role of anaesthetists in perioperative medicine. British Journal of Anaesthesia, 119 (S1): 15–22, 2017.](https://bjanaesthesia.org/action/showPdf?pii=S0007-0912(17)54111-2)

[Leonard A. Anaesthesia for ruptured abdominal aortic aneurysm. CEACCP 8(1): 11 – 15, 2008.](https://doi.org/10.1093/bjaceaccp/mkm050)

[Al-Hashimi M. Anaesthesia for elective open abdominal aortic aneurysm repair. CEACCP 13(6): 208 – 212, 2013.](https://doi.org/10.1093/bjaceaccp/mkt015)

[Cheesman M. Anaesthesia for the ruptured aortic aneurysm. Vascular Anaesthesia 17(5): 243-248, 2016.](https://www.anaesthesiajournal.co.uk/article/S1472-0299(16)00035-7/pdf)

**Key Capabilities C**

*Manages the preoperative care of complex endovascular repair of thoracic and aortic aneurysm.*

Suggested Reading:

[NEJM 2010 – Endovascular versus Open Repair of Abdominal Aortic Aneurysm (EVAR 1 Trial):](https://www.nejm.org/doi/full/10.1056/nejmoa0909305)

[Lancet 2016 - Endovascular versus open repair of abdominal aortic aneurysm in 15-years’ follow-up of the UK endovascular aneurysm repair trial 1 (EVAR trial 1): a randomised controlled trial](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(16)31135-7/fulltext)

[NEJM 2010 – Endovascular Repair of Aortic Aneurym in Patients Physically Ineligible for Open Repair (EVAR 2 Trial):](https://www.nejm.org/doi/full/10.1056/NEJMoa0911056)

[BJAED 2012– Complex endovascular aortic aneurysm repair](https://academic.oup.com/bjaed/article/12/6/312/279823)

[Anaesthesia and Intensive Care Medicine 2019 – Anaesthesia for endovascular aneurysm repair](https://www.sciencedirect.com/science/article/abs/pii/S1472029919300499#)

[Kothandan H. Anaesthetic considerations for endovascular abdominal aortic aneurysm repair. Annals of Cardiac Ananaesthesia, 19(1): 132 – 141, 2016.](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4900395/)

[BJA 2016 – Spinal cord protection in aortic endovascular surgery](https://academic.oup.com/bja/article/117/suppl_2/ii26/1744361)

**Key Capabilities D**

*Manages the perioperative care for patients requiring carotid endarterectomy under general and regional anaesthesia*

Suggested reading:

[CEA review BJA 2007](https://academic.oup.com/bja/article/99/1/119/269458)

[GALA trial summary Lancet 2008](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(08)61699-2/fulltext)

[RA or GA for CEA review 2012](https://academic.oup.com/bjaed/article/12/2/92/251400)

[Regional anaesthesia for carotid endarterectomy Review BJA 2015](https://www.bjanaesthesia.org.uk/article/S0007-0912(17)31803-2/fulltext)

[NYSORA US guided cervical plexus block](https://www.nysora.com/techniques/head-and-neck-blocks/cervical/ultrasound-guided-cervical-plexus-block/)

[Arterial pressure management and carotid endarterectomy Review BJA 2009](https://bjanaesthesia.org/article/S0007-0912(17)34465-3/fulltext)

[Anesthesia Management for Carotid Endarterectomy: Review Article EJCM 2019](http://cms.galenos.com.tr/Uploads/Article_27771/ejcm-7-50-En.pdf)

**Key Capabilities E**

*Provides perioperative care of patients requiring vascular access procedure for renal dialysis.*

Suggested Reading:

[Anaesthetic management for vascular access surgery BJA CPD 2017](https://bjaed.org/article/S2058-5349(17)30161-0/fulltext)

[RA for AVF BJA editorial 2021](https://bjanaesthesia.org/article/S0007-0912(20)30848-5/fulltext)

**Key Capabilities F**

*Appreciates the complexities in organising regional vascular services.*

Suggested Reading:

[Guidelines for the Provision of Anaesthesia Services for Vascular Procedures RCOA 2020](https://rcoa.ac.uk/gpas/chapter-15)

[GIRFT VASCULAR SERVICES REPORT 2018](https://gettingitrightfirsttime.co.uk/wp-content/uploads/2018/02/GIRFT_Vascular_Surgery_Report-March_2018.pdf)