

Does the UK vascular training scheme provide sufficient experiences in lower limb revascularisation techniques: Trainer's perspective

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Certification Guidelines for Vascular Surgery

Guidelines for Vascular Surgery																			
<p>Clinical experience - evidence of the breadth of clinical experience defined in the syllabus of their specialty</p>	<p>Trainees must be able to demonstrate wide exposure to elective and emergency vascular and endovascular surgery as defined in the curriculum. This must include outpatient and ward-based work.</p> <p>Trainees must be able to demonstrate knowledge and understanding of the management of the following critical conditions: (1) acute limb ischaemia, and (2) abdominal aortic aneurysm.</p>																		
<p>Operative experience - consolidated logbook evidence of the breadth of operative experience defined in the specialty syllabus</p>	<p>Trainees will be expected to demonstrate a wide range of procedures, from their log books and PBAs, to the level of competency outlined in the curriculum. In addition, trainees will be expected to demonstrate sustained performance at the expected level of competency based on a series of PBAs signed by their trainer².</p> <table border="1" data-bbox="988 901 1880 1146"> <thead> <tr> <th>Procedure</th> <th>level</th> <th>number</th> </tr> </thead> <tbody> <tr> <td>Open Aortic procedures (elective)</td> <td>4</td> <td>10</td> </tr> <tr> <td>Endovascular Aortic aneurysm (elective)</td> <td>4</td> <td>10</td> </tr> <tr> <td><u>Femoro-distal bypass</u></td> <td><u>4</u></td> <td><u>10</u></td> </tr> <tr> <td>Carotid Endarterectomy</td> <td>4</td> <td>10</td> </tr> <tr> <td>Venous and endovenous surgery</td> <td>4</td> <td>20</td> </tr> </tbody> </table>	Procedure	level	number	Open Aortic procedures (elective)	4	10	Endovascular Aortic aneurysm (elective)	4	10	<u>Femoro-distal bypass</u>	<u>4</u>	<u>10</u>	Carotid Endarterectomy	4	10	Venous and endovenous surgery	4	20
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<p>Operative competence - evidence of competence in indicative operative procedures to level 3 or 4 (evidenced by PBAs defined by the specialty)</p>	<p>Trainees must be able to demonstrate progression of operative skills, based on PBAs, across all areas of the curriculum.</p>																		

Vascular Curriculum

VASCULAR SURGERY Disease Specific Topics

CHRONIC LOWER LIMB ISCHAEMIA

	ST4	ST6	ST8
TECHNICAL SKILLS			
Exposure of infrarenal aorta, iliac, femoral, popliteal, tibial and pedal vessels	1	3	4
Aorto-iliac & aorto-femoral bypass	1	2	4
Axillo-femoral bypass	1	2	4
Femoral and profunda endarterectomy and patch	1	3	4
Ilio-fem and fem-fem bypass	1	3	4
Above and below-knee fem-popliteal bypass	1	3	4
Distal bypass (AT, PT, peroneal & pedal)	1	2	4
Vein preparation in-situ/reversed/arm vein/SSV	2	4	4
Vein cuff / patch	2	4	4
Intra-operative assessment with Doppler and angiography	1	3	4
Wound debridement/VAC placement	3	4	4
Angioplasty/stenting aorta/iliac/SFA/popliteal/tibial	1	1	2

ST6 ARCP checklist for Vascular Surgery

<p>Operative experience – consolidated logbook evidence of the breadth of operative experience defined in the specialty syllabus</p>	<p>Trainees will be expected to demonstrate a wide range of procedures, from their logbooks and PBAs, to the level of competency outlined in the curriculum.</p> <p>Satisfactory elective exposure? Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Satisfactory emergency exposure? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>Operative competence – evidence of competence in indicative operative procedures (evidenced by PBAs defined by the specialty)</p>	<p>Trainees must be able to demonstrate progression of operative skills, based on PBAs, across all areas of the curriculum.</p> <p>These should include:</p> <p>Major amputation – minimum 3, achieving level 4</p> <p><u>Fem pop/distal bypass – minimum 3, achieving level 3</u></p> <p>AAA – open repair – minimum 3, achieving level 3</p> <p>Endovascular AAA repair – minimum 3, achieving level 2-3</p> <p>Carotid endarterectomy – minimum 3, achieving level 3</p> <p><u>Angioplasty – minimum 3, achieving level 2-3</u></p> <p>Selective catheterisation of vessels – minimum 2, achieving level 2-3</p> <p>Satisfactory operative competence? Yes <input type="checkbox"/> No <input type="checkbox"/></p>

ST6 ARCP checklist for Vascular Surgery

Summary of operative experience (P, T, S-TU, S-TS, A)

			Number
Open AAA repair (elective)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
EVAR (elective)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
rAAA	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Carotid endarterectomy	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<u>Infrainguinal bypass</u>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<u>Peripheral endovascular</u>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Varicose vein surgery	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Summary of PBAs

			Number	Level
Open AAA repair (elective)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
EVAR (elective)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
rAAA	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Carotid endarterectomy	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<u>Infrainguinal bypass</u>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<u>Peripheral endovascular</u>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Varicose vein surgery	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Real World Experience

Scottish Vascular Trainees: end of ST6

	Infra-inguinal bypass	Peripheral Endovascular Intervention
Number	31	62
PBAAs	>3, Level 3-4	>3, Level 3-4

Intercollegiate Exam in Vascular Surgery

Entry requirements:

Outcome 1 at ARCP 6

References: 2 from recent trainers + 1 from TPD

- diagnostic skills
- clinical management
- technical operative skills

11 trainees with NTN's sat section 2 in May 2018

10 passed (91%)

Conclusion

Vascular training is meeting requirements of the curriculum.

Trainees appear to be on course to achieve requirements for CCT.

Technical skills of senior trainees assessed by trainers and TPDs satisfactory.