

Certification Guidelines for Vascular Surgery

All trainees seeking certification in Vascular Surgery must:

- a) be fully registered with the GMC and have a licence to practise (UK trainees) or be registered with the IMC (Republic of Ireland trainees).
- b) have completed a recognised higher surgical training programme in the UK or Republic of Ireland¹.
- c) have successfully passed the Intercollegiate Specialty Board examination.
- d) have been awarded an outcome 6 at a final ARCP (gained all required competencies).
- e) be able to demonstrate the acquisition of the appropriate Generic Professional Capabilities (GPCs) as described in the GMC framework (UK trainees only).

In order to be awarded an outcome 6 at final ARCP, the SAC would expect that trainees should be able to satisfy the following specialty specific guidelines:

Guidelines for Vascular Surgery																			
Clinical experience - evidence of the breadth of clinical experience defined in the syllabus of their specialty	<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>																		
Operative experience - consolidated logbook evidence of the breadth of operative experience defined in the specialty syllabus	<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" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Procedure</th> <th style="text-align: center;">level</th> <th style="text-align: center;">number</th> </tr> </thead> <tbody> <tr> <td>Open Aortic procedures (elective)</td> <td style="text-align: center;">4</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Endovascular Aortic aneurysm (elective)</td> <td style="text-align: center;">4</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Femoro-distal bypass</td> <td style="text-align: center;">4</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Carotid Endarterectomy</td> <td style="text-align: center;">4</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Venous and endovenous surgery</td> <td style="text-align: center;">4</td> <td style="text-align: center;">20</td> </tr> </tbody> </table>	Procedure	level	number	Open Aortic procedures (elective)	4	10	Endovascular Aortic aneurysm (elective)	4	10	Femoro-distal bypass	4	10	Carotid Endarterectomy	4	10	Venous and endovenous surgery	4	20
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Operative competence - evidence of competence in indicative operative procedures to level 3 or 4 (evidenced by PBAs defined by the specialty)	<p>Trainees must be able to demonstrate progression of operative skills, based on PBAs, across all areas of the curriculum.</p>																		

¹ This will include out of programme training.

² After attaining the expected level of competency, as defined in the curriculum for these procedures, trainees must complete a series of cases as main operator satisfying the supervisor trainer that they are performing at the expected level. They do not have to be consecutive procedures.

<p>Research - evidence of having met the relevant requirements for research and scholarship. For UK trainees, this can be found in the GMC's Generic Professional Capabilities framework. Broadly, this includes:</p> <ol style="list-style-type: none"> 1. The demonstration of evidence based practice. 2. Understanding how to critically appraise literature and conduct literature searches and reviews. 3. Understanding and applying basic research principles. 4. Understanding the basic principles of research governance and how to apply relevant ethical guidelines to research activities. 	<p>Trainees must demonstrate knowledge of research methodology and research governance. This could be by completing a research degree or publishing a peer reviewed paper as first author. All trainees should have published one peer reviewed paper as first author and two further peer reviewed papers as second or third author³ or with significant contribution as part of collaborative multicentre research during specialty training. All trainees will be expected to have presented 2 papers at national or international meetings. All trainees must have a valid Good Clinical Practice (GCP) certificate in Research Governance and must have completed a research methodologies course.</p>
<p>Quality Improvement - evidence of an understanding of, and participation in, audit or service improvement as defined by the specialty</p>	<p>Trainees should have undertaken or supervised three service improvement projects or complete audit cycles during their specialty training.</p>
<p>Medical Education and training - evidence of an understanding of, and participation in, medical education and training as defined by the specialty</p>	<p>Trainees should have undertaken a "Training the Trainers" course or equivalent by the end of specialty training. Trainees must provide evidence of active participation in education, on at least two occasions during training, based on timetabled sessions and feedback from participants.</p>
<p>Management and leadership - evidence of an understanding of management structures and challenges of the NHS in the training jurisdiction</p>	<p>Trainees should have completed at least one course or programme on health service management or personal development during training. They should be able to demonstrate participation in clinical management, such as rota administration, membership of a working party or representation of a group.</p>
<p>Additional courses / qualifications - evidence of having attended specific courses/gained specific qualifications as defined by the specialty</p>	<p>Trainees should demonstrate constructive use of study leave by undertaking, and having gained, professionally relevant training and experience above and beyond the basic programme. Trainees should have an up-to-date ATLS® certificate.</p>
<p>Educational conferences - evidence of having attended appropriate educational conferences and meetings as defined by the specialty</p>	<p>Trainees should attend at least one national or international vascular meeting in each year of training. Training programmes require attendance at a minimum of 70% of the regional teaching days.</p>

³ Trainees presenting publications for which they are 2nd or 3rd author should be able to demonstrate that they made significant contribution to the research project.