

VASCULAR SURGERY FELLOWSHIP ATTACHMENT  
PROGRAMME IN SGH

Components	Information
1. <b>Division/ Department</b>	Surgery & Surgical Oncology/ Vascular Surgery
2. <b>Title of Programme</b>	Vascular Surgery Fellowship
3. <b>Relevant Registrations</b>	<ul style="list-style-type: none"> <li>• Temporary Registration with Singapore Medical Council (SMC)</li> <li>• Training employment pass application with Ministry of Manpower, Singapore (MOM) (upon successful Temporary Registration with Singapore Medical Council)</li> </ul>
4. <b>Overview</b> 4.1 Background information	This attachment programme allows Clinical Fellow to gain exposure / experience in Vascular Surgical open procedures and Endovascular Interventions.
4.2 Goal/ aim(s)	To gain exposure / experience in Vascular Surgical open procedures and Endovascular Interventions
4.3 Duration	6-12 months
4.4 Hyperlinks/URL Sites	<a href="https://www.sgh.com.sg/patient-care/specialties-services/Vascular-Surgery">https://www.sgh.com.sg/patient-care/specialties-services/Vascular-Surgery</a>
5. <b>Target Audience</b>	<ul style="list-style-type: none"> <li>• With General Surgery or equivalent qualifications preferred</li> <li>• MBBS or equivalent</li> <li>• Relevant experience in general/vascular surgery</li> <li>• Support from HOD</li> </ul>
5.1 Pre-requisite /eligibility requirement(s)	<p>General requirements for Temporary Registration for training (required by SMC):</p> <ul style="list-style-type: none"> <li>• A basic medical degree from an accredited medical university or medical school</li> <li>• Passed the relevant national licensing examination in the country of conferment of basic degree, where applicable</li> <li>• Evidence of at least 12 months houseman-ship / internship with a certificate of satisfactory completion of houseman-ship or equivalent</li> <li>• Been registered as a medical practitioner in the country where he is currently practising</li> <li>• Been certified to be of good standing by the Medical Council or the relevant national authority</li> </ul> <p>Note: the doctor should be in active clinical practice for the 3 years preceding the application for medical registration.</p> <p>In addition to the above criteria, <b>Clinical Fellow</b> must:</p> <ol style="list-style-type: none"> <li>a) Have a minimum of 3 years of relevant working experience as a medical officer (or equivalent)</li> <li>b) Fulfil English Language requirements of SMC if the medium of instruction for the basic medical qualification is not in English</li> </ol>

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	<p>c) Preferably have obtained a postgraduate diploma or degree in his country or overseas</p> <p>d) As a Clinical Fellow, the doctor will be allowed to be involved in patient care and make entries in patients' case note, communicate care plans to patients and fellow healthcare professionals, and perform procedures under <u>direct</u> supervision or Level 1 supervision</p> <p><b>Department's requirement, if any (only for Clinical Fellow in this subspecialty):</b> N.A.</p>									
<b>6. Learning Objectives</b>	This fellowship would allow the Clinical Fellow to acquire exposure /experience in Vascular surgical open procedures, Endovascular interventions.									
<b>7. Course/Training Syllabus</b>	<p><b>Observed Only:</b> Clinical Fellow will have opportunities to observe the following procedures:</p> <ol style="list-style-type: none"> <li>1. Aortic endograft repair</li> <li>2. Visceral artery interventions</li> <li>3. Thoracic aortic surgery or interventions</li> </ol> <p><b>Hands-On Experience:</b> Clinical Fellow will assist in the following procedures under direct supervision:</p> <ol style="list-style-type: none"> <li>1. Lower extremity bypass for limb salvage</li> <li>2. Vascular access formation and maintenance</li> <li>3. Aortic aneurysm surgery</li> <li>4. Venous surgery – both open and endovenous</li> <li>5. Arterial reconstruction in trauma</li> <li>6. Miscellaneous arterial system reconstruction</li> <li>7. Endovascular interventions in lower extremity and vascular access</li> </ol>									
<b>8. Training Method</b>	<p><b>Method of Supervision:</b> Direct observation and feedback. Clinical Fellow will be supervised by an assigned supervisor at all times.</p> <p>No job rotation is required to other SGH departments and other institutions for this programme. Training will only be conducted in the Department of Vascular Surgery, SGH.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="3">TRAINING ACTIVITIES &amp; METHODOLOGY</th> </tr> <tr style="background-color: #cccccc;"> <th style="width: 40%;">Name of activity</th> <th style="width: 30%;">Frequency / No. of sessions / Length of session</th> <th style="width: 30%;">Teaching methodology</th> </tr> </thead> <tbody> <tr> <td>           Ward rounds             Aim: To learn and be familiar with inpatient management of vascular problems, complications, wounds etc.         </td> <td>Daily Mon-Sat</td> <td>On the job teaching</td> </tr> </tbody> </table>	TRAINING ACTIVITIES & METHODOLOGY			Name of activity	Frequency / No. of sessions / Length of session	Teaching methodology	Ward rounds  Aim: To learn and be familiar with inpatient management of vascular problems, complications, wounds etc.	Daily Mon-Sat	On the job teaching
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	Outpatient clinic sessions Aim: To be able to assess patients presenting with vascular problems and to formulate reasonable work-up and management plans	Daily	Pre-op assessment and intra-op teaching
	On-call duties (according to roster) Aim: To be familiar with the emergent management of vascular emergencies	Not more than 7 calls / month (tag on calls)	Pre and intra-op
<b>9. Assessment and Evaluation</b>	<p>Clinical Fellow will need to demonstrate their proficiency level based on the following competencies:</p> <ol style="list-style-type: none"> <li><b>1) Patient Care</b> Provide appropriate, cost effective and quality care to the patients.</li> <li><b>2) Medical Knowledge</b> Demonstrate medical knowledge and practical skills</li> <li><b>3) Practice-Based Learning and Improvement</b> Shows improvement in medical knowledge and practical skills</li> <li><b>4) Interpersonal and Communication Skills</b> Intergrade well with team-based practice with members of the Division and Department, nursing staff, operating theatre staff. Respect for patient and family caregivers</li> <li><b>5) Professionalism</b> Maintain professional conduct with senior staff, peers resident, nursing staff, auxillary staff patient and caregivers.</li> <li><b>6) Systems-Based Practice</b> Demonstrate compliance to Good Clinical Practices and patient safety.</li> </ol>		
9.1 Assessment approaches	<p><b>Formative assessment:</b></p> <ul style="list-style-type: none"> <li>• Regular evaluation between Clinical Fellow and Supervisor / Head of Department</li> <li>• Reflective journal- logbook recordings of training activities</li> </ul> <p><b>Summative assessment:</b> Periodical assessment reports as required by Singapore Medical Council</p>		

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	<p><b>Feedback:</b></p> <ul style="list-style-type: none"> <li>• End-of-training feedback form as required by Singapore Medical Council</li> <li>• End-of-training feedback session with SGH-PGMI</li> </ul>															
<p>9.2 Evaluation Process 9.2.1 General overall grading system</p>	<p>The general overall grading system evaluates the Clinical Fellow's performance upon completion of the fellowship programme. All Clinical Fellow will be given a general overall grading status at the end of the fellowship programme based on the grading criteria requirements incorporating the six competencies based knowledge, skills and performance that Clinical Fellow must demonstrate throughout the programme.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #4F81BD; color: white;">Grading Status</th> <th style="background-color: #4F81BD; color: white;">Description</th> <th style="background-color: #4F81BD; color: white;">Grading Criteria Requirements</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><b>CMP</b></td> <td>Completes the programme</td> <td> <ul style="list-style-type: none"> <li>• Participation in education</li> </ul> </td> </tr> <tr> <td style="text-align: center;"><b>USP</b></td> <td>Unsatisfactory performance</td> <td> <ul style="list-style-type: none"> <li>• Fails to demonstrate proficiency</li> </ul> </td> </tr> <tr> <td style="text-align: center;"><b>DCP</b></td> <td>Did not complete the programme</td> <td> <ul style="list-style-type: none"> <li>• End fellowship before completion date</li> </ul> </td> </tr> <tr> <td style="text-align: center;"><b>WDN</b></td> <td>Withdrawn from the programme</td> <td> <ul style="list-style-type: none"> <li>• Early termination or withdrawal before completion of program</li> </ul> </td> </tr> </tbody> </table>	Grading Status	Description	Grading Criteria Requirements	<b>CMP</b>	Completes the programme	<ul style="list-style-type: none"> <li>• Participation in education</li> </ul>	<b>USP</b>	Unsatisfactory performance	<ul style="list-style-type: none"> <li>• Fails to demonstrate proficiency</li> </ul>	<b>DCP</b>	Did not complete the programme	<ul style="list-style-type: none"> <li>• End fellowship before completion date</li> </ul>	<b>WDN</b>	Withdrawn from the programme	<ul style="list-style-type: none"> <li>• Early termination or withdrawal before completion of program</li> </ul>
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<p>9.3 Criteria for Early Termination</p>	<p>The attachment programme will be terminated early on the ground of the Clinical Fellow's poor performance, misdemeanour, misconduct, negligence or breach of any terms stipulated or referred to in the Fellowship Letter of Offer and Institution Terms and Conditions.</p> <p>The Clinical Fellow may also request to terminate the attachment programme for reasons such as serious illness or other personal obligations. The institution will review all requests for early termination with the Clinical Fellow and the Supervisor / Head of Department.</p>															
<p><b>10. Course Administration</b></p>	<p>Type of Certification: Certificate of Training</p> <p>Training Fee: S\$3,210 per month</p> <p>Programme Funding source: Self-funded</p>															
<p><b>11. Number of Clinical Fellow to be accepted at any one time</b></p>	<p>2</p>															