

**Stanford University General Surgery Residency Program**  
**Vascular Surgery Goals and Objectives for residents: R-1**  
**Rotation Director: Jason T. Lee, MD**

**Description**

The Vascular Surgery rotation at Stanford Hospital and the VA Palo Alto Health Care System offers a broad experience in the care of complex patients with vascular surgical diseases and processes.

**Goals**

The goal of the Vascular Surgery rotation is to help the interns:

- Develop knowledge and experience in the inpatient and outpatient evaluation and management of patients with manifestations of vascular disease
- Master principles of peri-operative assessment and risk stratification of vascular patients
- Refine procedural skills commonly required in the care of vascular patients, including interventional vascular procedures
- Experience and understand the day-to-day function of a surgical service.

**Objectives**

The rotation has the following objectives:

- The Vascular Surgery intern functions as a trusted member of the team assuming direct responsibility for the day-to-day care, completing progress notes, writing all orders on patients on the services and coordinating care with other services that may be consulting.
- The intern gains knowledge of surgical care through discussion on rounds with the attending physician and senior residents and fellows and also by independent reading.
- The intern will participate in twice-weekly conferences discussing Interesting Cases, Morbidity/Mortality, Vascular Surgery Rutherford Review, and Angio Conference. He/she will prepare at least one 30 minute lecture on a basic topic within vascular surgery.

Interns can expect daily teaching from members of the team, both at the bedside and in informal sessions from senior residents, fellows, and attendings. Interns will take overnight call as directed by the program and are expected to manage the patients with consultation as needed with the on-call senior resident/fellow and on-call attending.

Interns are evaluated in the six core competencies (Medical knowledge, Patient care, Interpersonal communication skills, Professionalism, Practiced based learning and Systems based practice) using specific web-based evaluation forms. An outline of core competencies with rotation objectives, instructional activities, and evaluations is below.

Specific goals and objectives for residents

<b>GOALS</b> <b>Core Competencies</b>	<b>R-1 OBJECTIVES</b>	<b>INSTRUCTIONAL ACTIVITIES</b>	<b>EVALUATION</b>
<b>Knowledge:</b> To acquire and apply knowledge of established and evolving basic and applied clinical sciences that relate to the practice of vascular surgery.	1. Gain experience in vascular physical examination, diagnostic imaging studies, pre-operative evaluation and risk assessment, peri-procedural management of oral and intravenous anticoagulation, and post-operative patient and procedural monitoring. 2. Be introduced to non-invasive vascular imaging, cross-sectional imaging, functional vascular physiologic testing and test interpretation.	Teaching by attending faculty, senior residents, and fellows  Independent reading  Weekly Conferences	Weekly feedback by fellow/chief resident/attending and Rotation evaluation by each Vascular Surgery attending ( <a href="https://stanford.medhub.com">https://stanford.medhub.com</a> )
<b>Patient Care:</b> To provide compassionate, appropriate, and effective care to vascular patients.	1. Evaluate and manage all inpatient vascular surgery patients in conjunction with full resident team at SUMC/VAPAHCS. 2. Perform complete directed histories and physical examinations on vascular surgery clinic patients 2 days per week, review all accompanying clinical and image-based information regarding their patients with appropriate resident/faculty supervision.	Daily rounds with the Vascular Surgery Team	Weekly feedback by fellow/chief resident/attending and Rotation evaluation by each Vascular Surgery attending ( <a href="https://stanford.medhub.com">https://stanford.medhub.com</a> )
<b>Effective Interpersonal and Communication skills:</b> Residents must communicate in a way that leads to effective information exchange of a vascular surgery care plan to patients, their families, and professional associates.	1. Instruct medical students on routine floor responsibilities including rounding, patient note writing, orders, computerized requisitions, and hospital protocols. 2. Discuss appropriate perioperative concerns with team and consultants. 3. Work effectively with nurses to communicate care plan.	Daily rounds with the Vascular Surgery Team	Weekly feedback by fellow/chief resident/attending and Rotation evaluation by each Vascular Surgery attending ( <a href="https://stanford.medhub.com">https://stanford.medhub.com</a> )
<b>Practice based learning and improvement:</b> In order to improve patient care practices, residents must be able to critically evaluate their own performance as well as appraise and incorporate clinical scientific evidence.	1. Become proficient on vascular suturing and basic wire/catheter skills by practicing during Professor Rounds 2. Identify impact of complications on recovery of patients. 3. Use information technology to assimilate current medical literature as it relates to patient care.	Daily rounds with the Vascular Surgery Team  Weekly Conferences	Weekly feedback by fellow/chief resident/attending and Rotation evaluation by each Vascular Surgery attending ( <a href="https://stanford.medhub.com">https://stanford.medhub.com</a> )

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<p><b>Professionalism:</b> Residents must show a commitment to professional responsibilities, adherence to ethical principles, and sensitivity to diversity.</p>	<ol style="list-style-type: none"> <li>1. Learn to manage complex patient problems specifically related to relating information to families regarding unexpected outcomes in a quaternary care hospital and at the VA.</li> <li>2. Learn to interact with a wide range of patient age ranges, including children with vascular problems, women of child-bearing age, and the elderly.</li> <li>3. Learn to interact with multiple subspecialty groups in consultation as well as multi-disciplinary conferences</li> <li>4. Displays appropriate demeanor, even in adverse situations</li> <li>5. Acts with sensitivity and responsiveness to patient's culture, age, gender, and disabilities</li> </ol>	<p>Daily rounds with the Vascular Surgery Team</p>	<p>Weekly feedback by fellow/chief resident/attending and Rotation evaluation by each Vascular Surgery attending (<a href="https://stanford.medhub.com">https://stanford.medhub.com</a>)</p>
<p><b>Systems-based Practice:</b> A resident must be able to demonstrate an awareness of and responsiveness to the system of health care and the ability to effectively call on system resources to provide optimal care.</p>	<ol style="list-style-type: none"> <li>1. Be introduced to outpatient assessment, risk stratification and surgical planning for vascular surgical procedures.</li> <li>2. Learn to use care protocols to improve quality of care.</li> <li>3. Act as an organizational problem solver for patients</li> <li>4. Enable the hospital to deliver a wide range of patient care.</li> <li>5. Understand how care practice affects staffing and health care costs.</li> </ol>	<p>Daily rounds with the Vascular Surgery Team</p>	<p>Weekly feedback by fellow/chief resident/attending and Rotation evaluation by each Vascular Surgery attending (<a href="https://stanford.medhub.com">https://stanford.medhub.com</a>)</p>