

LEARNING OBJECTIVES: SI SURGERY VASCULAR SURGERY SUBINTERNSHIP

Overarching Goals of Curriculum	Elective objectives: By the end of the rotation, students will be expected to:	Where/how taught	Taught by	How student's achievement of objective is assessed	How feedback is given	Quantity target
1, 2, 3, 4, 5, 6	<p>1. History skills: Gather the important information that is needed for the Vascular Surgery Service history and complete a history in the medical record for at least 10 patients.</p> <ul style="list-style-type: none"> a. The student should name all the routine questions that are involved in taking a history of the vascular system and why they are being asked. 	Hospital units Vascular Clinic (YPB2) OR	Attending, Fellow Senior resident	Observation	Mid-point feedback by Fellow, Summary feedback by Elective Director	In-patient:10 Clinic: 20
1, 2, 3, 4, 5	<p>2. Physical examination skills: Complete a pertinent physical examination for the evaluation of the vascular system on at least 20 patients. The student should demonstrate the ability to perform this pertinent physical examination while being observed by at least one attending or resident.</p> <ul style="list-style-type: none"> a. The student should know how to differentiate carotid bruits, peripheral pulse exam, use of hand-held Doppler including ankle-brachial index, abdominal aortic palpation, description of peripheral wounds to differentiate those caused by trauma or arterial vs venous insufficiency. b. The student should be able to explain each part of the physical examination of the vascular system, why it is being performed and what abnormalities are being sought. 	As above	As above	Observation	Ongoing during observation	
1, 2, 3, 4, 5, 6, 7, 8	<p>3. Knowledge/diagnostic and treatment skills: Recognize and understand the pertinent information regarding common vascular conditions, also develop the ability to interpret Ultrasound studies, CTA, and angiograms. For examples:</p> <ul style="list-style-type: none"> a. Know the natural history, evaluation, treatment options and treatment outcomes for the following conditions: carotid bruit with stenosis, claudication, acute and chronic limb threatening ischemia, chronic mesenteric ischemia, and abdominal aortic aneurysms. b. Understand the role of diagnostic vascular testing and be able to read and evaluate the pertinent studies (e.g., Doppler ultrasound, pulse volume recordings, CTA, MRA, conventional arteriography). c. Understand the roles and treatment outcomes for open and endovascular procedures in the treatment of occlusive and aneurysmal arterial disease. 	As above	As above	As above	Ongoing observation with mid-point and summary feedback	

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4	<p>4. Procedural skills: Assist and sometimes first assist on open surgical cases, perform basic wound closures, assist on endovascular cases and learn wire and catheter manipulation.</p> <ul style="list-style-type: none"> a. The student should know the key indications for the procedure. b. The student should be observed and get feedback on the performance of the procedure on at least one occasion. c. Additional skills to include basic suturing, tissue handling, and knot tying. 	Clinic, hospital units, OR	Attending, Fellow, Residents	Observation	Ongoing feedback during observation	
4, 5, 6	<p>5. Attitude: Demonstrate professional responsibility in working as a team member with other members of the vascular surgery team, including patients and families.</p> <ul style="list-style-type: none"> a. The student should exhibit sensitivity to the psychosocial issues faced by vascular patients and their families (particularly recognizing the issues that impact on functional status and quality of life). b. The student should exhibit honesty, accuracy and integrity in all interactions with patients, families, colleagues and others. 	All clinical settings		Observation	Mid-point feedback as necessary; summary feedback	
5, 6, 8	<p>6. Career/context: Know the training/career pathway for Vascular Surgery as a specialty (including Fellowship training and integrated vascular surgery residencies).</p> <ul style="list-style-type: none"> a. Know the aspects of both career satisfaction and career challenges in this specialty. b. Know key roles that the specialty plays in the health care system. 					