

**University of Tennessee**  
**College of Medicine, Memphis, TN**  
**Vascular Surgery**

**Program Goal**

The purpose of the vascular surgery residency is to provide an organized educational program with guidance and supervision of the resident, facilitating the resident's personal and professional development while insuring safe and appropriate patient care. The program's mission is to prepare the resident to function as a qualified practitioner of vascular surgery at the highest level of performance expected of a board certified specialist.

**Program Objectives**

At the end of the 2 year vascular surgery fellowship, the fellows are expected to expand and cultivate knowledge and skills developed during previous training and to achieve the following objectives based on the six general competencies. Under supervision and guidance of faculty of the Division of Vascular Surgery, the fellows will assume graded responsibility/increasing levels of responsibility as they progress through the program and refine their surgical skills.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>GENERAL OBJECTIVES</b>			
	Provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Communicate effectively and demonstrate caring and respectful behaviors when interacting with patients and their families.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Gather essential and accurate information about their patients.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence, and clinical judgments.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Develop and carry out patient management plans.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Counsel and educate patients and their families.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Use information technology to support patient care decisions and patient education.	Direct Patient Care Conferences	Global Rating Evaluation Case Review	Quarterly Quarterly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Role modeling	Focused Observation	Daily
	Perform competently all medical and invasive procedures considered essential for the area of practice.	Direct Patient Care Role Modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Provide health care services aimed at preventing health problems or maintaining health.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Work with health care professionals, including those from other disciplines, to provide patient-focused care.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See specific rotations for a detailed list of patient care objectives.			
Medical Knowledge	<b>GENERAL OBJECTIVES</b>			
	Demonstrate knowledge about established and evolving biomedical, clinical, and cognate sciences and the application of this knowledge to patient care.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Demonstrate an investigatory and analytic thinking approach to clinical situations.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Know and apply the basic and clinically supportive sciences which are appropriate to their discipline.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See specific rotations for a detailed list of medical knowledge objectives.			
Practice Based Learning and Improvement	<b>GENERAL OBJECTIVES</b>			
	Investigate and evaluate their patient care practices, appraise and assimilate scientific evidence, and improve their patient care practices.	Direct Patient Care M&M Conference Self Reflection	Global Rating Evaluation Case Review Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Analyze practice experience and perform practice-based improvement activities using a systematic methodology.	Direct Patient Care M&M Conference Self Reflection	Global Rating Evaluation Case Review Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual
	Locate, appraise, and assimilate evidence from scientific studies related to their patients' health problems.	Direct Patient Care M&M Conference Self Reflection	Global Rating Evaluation Case Review Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual
	Obtain and use information about their own population of patients and the larger population of patients from which their patients are drawn.	Direct Patient Care M&M Conference Self Reflection	Global Rating Evaluation Case Review Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual
	Apply knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness.	Direct Patient Care M&M Conference Self Reflection	Global Rating Evaluation Case Review Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual
	Use information technology to manage information, access on-line medical information; and support their own education.	Direct Patient Care M&M Conference Self Reflection	Global Rating Evaluation Case Review Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual
	Facilitate the learning of students and other health care professionals.	Direct Patient Care M&M Conference Self Reflection	Global Rating Evaluation Case Review Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual
	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Evaluate patient care practices, discuss how they meet standards, and develop ways to improve these practices.	Direct Patient Care M&M Conference Self Reflection	Global Rating Evaluation Case Review Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual
	Compare clinical practice, patient safety, and quality of care with evidence based medicine.	Direct Patient Care M&M Conference Journal Club Self Reflection	Global Rating Evaluation Case Review Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual
	Complete a QA/QI project under faculty direction.	Direct Patient Care M&M Conference	Global Rating Evaluation Focused Observation	Quarterly Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Self Reflection	360 Degree Evaluation	Annual
	Demonstrate improvement in clinical management and diagnostic assessment.	Direct Patient Care M&M Conference Self Reflection	Global Rating Evaluation Case Review Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual
	Implement new scientific advances and clinical approaches from a variety of sources into current patient care practices.	Direct Patient Care Journal Club Self Reflection	Global Rating Evaluation Case Review Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual
	Analyze and evaluate medical literature and examine alternate sources for information that pertains to their patient's health problems.	Direct Patient Care Journal Club Self Reflection	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Take responsibility for lifelong learning.	Direct Patient Care Role Modeling Self Reflection	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Use information technology such as Up-To-Date, PubMed or Ovid to enhance patient care.	Direct Patient Care Self Reflection	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Teach fellow residents, medical students, and interns.	Direct Patient Care	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Maintain appropriate records documenting practice activities (such as patient logs).	Direct Patient Care Conference Self Reflection	Global Rating Evaluation Case Review Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual
Interpersonal and Communication Skills	<b>GENERAL OBJECTIVES</b>			
	Demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their patients' families, and professional associates.	Direct Patient Care Conferences	Global Rating Evaluation Conference Presentation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Bi-weekly Daily Annual
	Create and sustain a therapeutic and ethically sound relationship with patients.	Direct Patient Care Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Daily Annual

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Use effective listening skills and elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Conference Presentation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Bi-weekly Daily Annual
	Work effectively with others as a member or leader of a health care team or other professional group.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Conference Presentation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Bi-weekly Daily Annual
	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Carefully listen to patients to assess the patient's health problems including their verbal and non-verbal communications.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Daily Annual
	Demonstrating respectful and considerate attitudes, effectively communicate with patients, families, and other health care personnel, when addressing management plans, patient issues, and especially end-of-life decisions.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Conference Presentation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Bi-weekly Daily Annual
	Accurately present (verbally and written) a case to attending physicians, fellow residents, and other health care professionals.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Conference Presentation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Bi-weekly Daily Annual
	Provide timely, legible, and thorough medical record documentation - histories and physical examinations, admission notes, progress notes, procedure notes and discharge summaries.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Case Reveiw Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual
	Provide education and counseling to patients, and families using non-technical and clear language. (Use non-verbal and verbal communication skills)	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Daily Annual
	Demonstrate skill in handling all difficult patient care situations.	Direct Patient Care Conferences	Global Rating Evaluation Focused Observation	Quarterly Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Role Modeling	360 Degree Evaluation Patient Survey	Annual
	Spend adequate time with patients addressing their questions and concerns.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Daily Annual
	Work well within team consisting of students, residents, attending physicians, nurses, and patients.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Function effectively as a consultant for specialty and subspecialty care.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
Professionalism	<b>GENERAL OBJECTIVES</b>			
	Demonstrate a commitment to carrying our professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Daily Annual
	Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients, society that supercedes self-interest; accountability to patients, society, and the profession; and a commitment to excellence and on-going professional development.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Daily Annual
	Demonstrate a commitment to ethical principles pertaining to provision or withholding of clinical care confidentiality of patient information, informed consent, and business practices.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Daily Annual
	Demonstrate a sensitivity and responsiveness to patients' culture, age, gender, and disabilities.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Daily Annual
	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Demonstrate respect, compassion, integrity, punctuality, reliability, and honesty with regards to patients and colleagues.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Daily Annual

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Show regard for the opinions of others.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Conference Presentation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Bi-weekly Daily Annual
	Display initiative and leadership.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Conference Presentation Focused Observation 360 Degree Evaluation	Quarterly Bi-weekly Daily Annual
	Acknowledge errors, alert patients and appropriate health care providers about the errors, and create a plan of action to minimize them.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Case Review Focused Observation 360 Degree Evaluation	Quarterly Quarterly Daily Annual
	Demonstrate concern for the educational development of students and residents.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Conference Presentation Focused Observation 360 Degree Evaluation	Quarterly Bi-weekly Daily Annual
	Ask for help when needed and accept constructive feedback.	Direct Patient Care Conferences Role Modeling M&M Conference	Global Rating Evaluation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Daily Annual
	Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Daily Annual
	Maintain patient confidentiality.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Daily Annual
	Compassionately respond to issues of culture, age, gender, ethnicity, and disability in patient care.	Direct Patient Care Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation Patient Survey	Quarterly Daily Annual
Systems-Based	<b>GENERAL OBJECTIVES</b>			

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Practice	Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide care that is of optimal value.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Conference Presentation Focused Observation 360 Degree Evaluation	Quarterly Bi-weekly Daily Annual
	Understand how their patient care and other professional practices affect other health care professionals, the health care organization, and the larger society and how these elements of the system affect their own practice.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Conference Presentation Focused Observation 360 Degree Evaluation	Quarterly Bi-weekly Daily Annual
	Know how types of medical practice and delivery systems differ from one another, including methods of controlling health care costs and allocating resources.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Conference Presentation Focused Observation 360 Degree Evaluation	Quarterly Bi-weekly Daily Annual
	Practice cost-effective health care and resource allocation that does not compromise quality of care.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Advocate for quality patient care and assist patients in dealing with system complexities.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Know how to partner with health care managers and health care providers to assess, coordinate, and improve health care and know how these activities can affect system performance.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Demonstrate ability to deliver high-quality medical care in a private, government, and inner city hospital settings.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Demonstrate the knowledge of different types of medical practice and health care delivery systems and understand how this affects patient care.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Demonstrate knowledge of business aspects of medical practice including coding, billing, and insurance.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
Work with ancillary team members (discharge planners, case managers, and social workers) to provide high quality	Direct Patient Care M&M Conferences	Global Rating Evaluation Focused Observation	Quarterly Daily	

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	cost-effective care.	Role Modeling	360 Degree Evaluation	Annual
	Use systematic approaches to reduce errors.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Practice effective allocation of health care resources to avoid compromising quality of care.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Interact with patients, attending physicians and allied health care personnel as part of a health care team.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Serve as a patient advocate in the outpatient and inpatient setting.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Direct care in inpatient and outpatient settings as a member of a multidisciplinary team.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual
	Demonstrate knowledge of how the health care system including other physicians, nurses, and health care professionals affect their patient care practices.	Direct Patient Care M&M Conferences Role Modeling	Global Rating Evaluation Focused Observation 360 Degree Evaluation	Quarterly Daily Annual

**Vascular Surgery Rotation**  
**Methodist University Hospital**

By the end of the Vascular Surgery rotation at Methodist, the **PGY-6** residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Under the direct supervision and guidance of faculty, perform the following open vascular procedures: <ul style="list-style-type: none"> <li>• Peripheral vascular surgery</li> <li>• Carotid endarterectomy</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<ul style="list-style-type: none"> <li>• Carotid and vertebral transposition and bypass</li> <li>• Upper extremity bypass</li> <li>• Lower extremity bypass (all variations)</li> <li>• Aortobifemoral, Mesenteric, Renal, Infrainguinal, and Extra-anatomic bypasses</li> <li>• Repair of thoracoabdominal</li> <li>• Infrarenal and peripheral arterial aneurysms</li> <li>• Correction of thoracic outlet syndrome</li> <li>• Venous reconstruction and stripping</li> <li>• Resection of vascular tumors and malformations</li> <li>• Extremity amputation</li> <li>• Thromboembolectomy</li> <li>• Revascularization</li> <li>• Profundaplasty</li> <li>• Arterial Reconstructions</li> <li>• Cerebrovascular</li> <li>• Abdominal obstructive</li> </ul>			
	<p>Perform the following endovascular interventions under the direct supervision and guidance of faculty:</p> <ul style="list-style-type: none"> <li>• Diagnostic arteriography</li> <li>• Arterial and venous balloon angioplasty and stenting</li> <li>• Insertion of vena cava filters</li> <li>• Endovascular repair of abdominal and thoracic aortic aneurysms</li> <li>• Venography</li> </ul>	<p>Direct Patient Care Conferences Role modeling</p>	<p>Global Rating Evaluation Case Review Focused Observation</p>	<p>Quarterly Quarterly Daily</p>
	<p>Perform complete and comprehensive medical history and physical examination covering common vascular and venous problems</p>	<p>Direct Patient Care Conferences Role modeling</p>	<p>Global Rating Evaluation Case Review Focused Observation</p>	<p>Quarterly Quarterly Daily</p>
	<p>Evaluate, diagnose, operatively manage and follow-up with patients suffering from the following vascular diseases that include but are not limited to:</p> <ul style="list-style-type: none"> <li>• Arterial diseases</li> <li>• Bleeding and clotting disorders</li> </ul>	<p>Direct Patient Care Conferences Role modeling</p>	<p>Global Rating Evaluation Case Review Focused Observation</p>	<p>Quarterly Quarterly Daily</p>

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<ul style="list-style-type: none"> <li>• Upper and lower extremity ischemia</li> <li>• Vascular trauma</li> <li>• Arterial Aneurysms</li> <li>• Arteriovenous fistulas</li> <li>• Vascular malformation</li> <li>• Vascular tumors</li> <li>• Renovascular disorders</li> <li>• Splanchnic Vascular lesions and disorders</li> <li>• Extracranial cerebrovascular disease</li> <li>• Venous disorders</li> <li>• Lymphatic disorders</li> <li>• Acute limb ischemia</li> <li>• Neurovascular conditions</li> <li>• Peripheral Arterial Occlusive Disease</li> </ul>			
	Manage patients with complications from vascular surgery and ischemia.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Interpret 3D imaging processing, CT scan, CT angiography, 3D reconstruction, MRI, and Intravascular ultrasound	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Formulate a clear diagnosis or when necessary generate a differential diagnosis; and develop a clear plan to determine the problem.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Apply a methodical approach to the use of the history, physical examination and testing to make an accurate diagnosis and assessment of the patient's vascular condition.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Evaluate and provide non-operative management for vascular patients with the following diseases including but not limited to: <ul style="list-style-type: none"> <li>• Atherosclerosis</li> <li>• Intermittent Claudication</li> <li>• Hyperglycemia, Diabetes, Syndrome X</li> <li>• Hypertension</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Under faculty supervision interpret and perform the following vascular diagnostic procedures: <ul style="list-style-type: none"> <li>• Extremity arterial duplex and segmental pressure examination of patient at rest and exercise</li> <li>• Extremity venous duplex examination</li> <li>• Carotid duplex examination</li> <li>• Mesenteric arterial duplex examination</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Gain experience in redo vascular surgery	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Manage infected grafts and endovascular interventions, e.g., carotid stents	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Provide preoperative evaluation and postoperative care for vascular surgery patients	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Perform consultations for vascular trauma and pediatric patients	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Manage vascular access for hemodialysis, thoracic outlet syndrome and mesenteric revascularizations	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Prescribe endovascular therapy for patients	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Prevent and manage complication of vascular surgery and ischemia, e.g., cardiac, respiratory, renal, infections, lymphatic, anastomotic aneurysms, aortoenteric fistulae, ischemic neuropathy.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Evaluate the results of operative and non operative treatment	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Demonstrate manual dexterity	Direct Patient Care Conferences	Global Rating Evaluation Case Review	Quarterly Quarterly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Role modeling	Focused Observation	Daily
	Select and accomplish the appropriate operative procedure	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
Medical Knowledge	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Apply fundamentals of basic and clinical science to vascular surgery.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Develop and begin to demonstrate knowledge of and apply in depth aspects of vascular medicine	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Develop knowledge of the natural history, diagnosis, and management of vascular diseases to successfully provide treatment and management plans for vascular patients.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Develop and begin to demonstrate an understanding of the embryology, physiology, pathology, anatomy, and microbiology of the vascular and venous systems and how it applies to the diagnosis and treatment of vascular disease	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Differentiate between normal and abnormal coagulation and apply this to the treatment of vascular patients.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Develop and begin to demonstrate an understanding of the indications and contraindications of thrombolytic and antithrombotic agents	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Demonstrate an understanding of the indication, limitations, and complications of diagnostic and surgical procedures	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
Practice Based	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Learning and Improvement	See General Vascular Surgery Goals and Objectives.			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Vascular Surgery Goals and Objectives.			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Vascular Surgery Goals and Objectives.			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Vascular Surgery Goals and Objectives.			

**Vascular Surgery Rotation**  
**Veteran's Administration Medical Center**

By the end of the Vascular Surgery rotation at the VAMC, the **PGY-6** residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Under the direct supervision and guidance of faculty, perform the following open vascular procedures: <ul style="list-style-type: none"> <li>• Peripheral vascular surgery</li> <li>• Carotid endarterectomy</li> <li>• Carotid and vertebral transposition and bypass</li> <li>• Upper extremity bypass</li> <li>• Lower extremity bypass (all variations)</li> <li>• Aortobifemoral, Mesenteric, Renal, Infrainguinal, and Extra-anatomic bypasses</li> <li>• Repair of thoracoabdominal</li> <li>• Infrarenal and peripheral arterial aneurysms</li> <li>• Correction of thoracic outlet syndrome</li> <li>• Venous reconstruction and stripping</li> <li>• Resection of vascular tumors and malformations</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<ul style="list-style-type: none"> <li>• Extremity amputation</li> <li>• Thromboembolectomy</li> <li>• Revascularization</li> <li>• Profundaplasty</li> <li>• Arterial Reconstructions</li> <li>• Cerebrovascular</li> <li>• Abdominal obstructive</li> </ul>			
	<p>Perform the following endovascular interventions under the direct supervision and guidance of faculty:</p> <ul style="list-style-type: none"> <li>• Diagnostic arteriography</li> <li>• Arterial and venous balloon angioplasty and stenting</li> <li>• Insertion of vena cava filters</li> <li>• Endovascular repair of abdominal and thoracic aortic aneurysms</li> <li>• Venography</li> </ul>	<p>Direct Patient Care Conferences Role modeling</p>	<p>Global Rating Evaluation Case Review Focused Observation</p>	<p>Quarterly Quarterly Daily</p>
	<p>Perform complete and comprehensive medical history and physical examination covering common vascular and venous problems</p>	<p>Direct Patient Care Conferences Role modeling</p>	<p>Global Rating Evaluation Case Review Focused Observation</p>	<p>Quarterly Quarterly Daily</p>
	<p>Evaluate, diagnose, operatively manage and follow-up with patients suffering from the following vascular diseases that include but are not limited to:</p> <ul style="list-style-type: none"> <li>• Arterial diseases</li> <li>• Bleeding and clotting disorders</li> <li>• Upper and lower extremity ischemia</li> <li>• Vascular trauma</li> <li>• Arterial Aneurysms</li> <li>• Arteriovenous fistulas</li> <li>• Vascular malformation</li> <li>• Vascular tumors</li> <li>• Renovascular disorders</li> <li>• Splanchnic Vascular lesions and disorders</li> <li>• Extracranial cerebrovascular disease</li> <li>• Venous disorders</li> </ul>	<p>Direct Patient Care Conferences Role modeling</p>	<p>Global Rating Evaluation Case Review Focused Observation</p>	<p>Quarterly Quarterly Daily</p>

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<ul style="list-style-type: none"> <li>• Lymphatic disorders</li> <li>• Acute limb ischemia</li> <li>• Neurovascular conditions</li> <li>• Peripheral Arterial Occlusive Disease</li> </ul>			
	Manage patients with complications from vascular surgery and ischemia.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Interpret 3D imaging processing, CT scan, CT angiography, 3D reconstruction, MRI, and Intravascular ultrasound	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Formulate a clear diagnosis or when necessary generate a differential diagnosis; and develop a clear plan to determine the problem.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Apply a methodical approach to the use of the history, physical examination and testing to make an accurate diagnosis and assessment of the patient's vascular condition.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Evaluate and provide non-operative management for vascular patients with the following diseases including but not limited to: <ul style="list-style-type: none"> <li>• Atherosclerosis</li> <li>• Intermittent Claudication</li> <li>• Hyperglycemia, Diabetes, Syndrome X</li> <li>• Hypertension</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Under faculty supervision interpret and perform the following vascular diagnostic procedures: <ul style="list-style-type: none"> <li>• Extremity arterial duplex and segmental pressure examination of patient at rest and exercise</li> <li>• Extremity venous duplex examination</li> <li>• Carotid duplex examination</li> <li>• Mesenteric arterial duplex examination</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Gain experience in redo vascular surgery	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Manage infected grafts and endovascular interventions, e.g., carotid stents	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Provide preoperative evaluation and postoperative care for vascular surgery patients	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Perform consultations for vascular trauma and pediatric patients	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Manage vascular access for hemodialysis, thoracic outlet syndrome and mesenteric revascularizations	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Prescribe endovascular therapy for patients	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Prevent and manage complication of vascular surgery and ischemia, e.g., cardiac, respiratory, renal, infections, lymphatic, anastomotic aneurysms, aortoenteric fistulae, ischemic neuropathy.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Evaluate the results of operative and non operative treatment	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Demonstrate manual dexterity	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Select and accomplish the appropriate operative procedure	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
Medical Knowledge	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Apply fundamentals of basic and clinical science to vascular surgery.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Develop and begin to demonstrate knowledge of and apply	Direct Patient Care	Global Rating Evaluation	Quarterly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	in depth aspects of vascular medicine	Basic Science Conf Reading List Didactic Sessions	Case Review Focused Observation Board Exam	Quarterly Daily End of Program
	Develop knowledge of the natural history, diagnosis, and management of vascular diseases to successfully provide treatment and management plans for vascular patients.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Develop and begin to demonstrate an understanding of the embryology, physiology, pathology, anatomy, and microbiology of the vascular and venous systems and how it applies to the diagnosis and treatment of vascular disease	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Differentiate between normal and abnormal coagulation and apply this to the treatment of vascular patients.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Develop and begin to demonstrate an understanding of the indications and contraindications of thrombolytic and antithrombotic agents	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Demonstrate an understanding of the indication, limitations, and complications of diagnostic and surgical procedures	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Vascular Surgery Goals and Objectives.			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Vascular Surgery Goals and Objectives.			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Vascular Surgery Goals and Objectives.			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Vascular Surgery Goals and Objectives.			

**Vascular Surgery Rotation**  
**Baptist Memorial Hospital**

By the end of the Vascular Surgery rotation at Baptist, the **PGY-6** residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Under the direct supervision and guidance of faculty, perform the following open vascular procedures: <ul style="list-style-type: none"> <li>• Peripheral vascular surgery</li> <li>• Carotid endarterectomy</li> <li>• Carotid and vertebral transposition and bypass</li> <li>• Upper extremity bypass</li> <li>• Lower extremity bypass (all variations)</li> <li>• Aortobifemoral, Mesenteric, Renal, Infrainguinal, and Extra-anatomic bypasses</li> <li>• Repair of thoracoabdominal</li> <li>• Infrarenal and peripheral arterial aneurysms</li> <li>• Correction of thoracic outlet syndrome</li> <li>• Venous reconstruction and stripping</li> <li>• Resection of vascular tumors and malformations</li> <li>• Extremity amputation</li> <li>• Thromboembolectomy</li> <li>• Revascularization</li> <li>• Profundaplasty</li> <li>• Arterial Reconstructions</li> <li>• Cerebrovascular</li> <li>• Abdominal obstructive</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Perform the following endovascular interventions under the direct supervision and guidance of faculty: <ul style="list-style-type: none"> <li>• Diagnostic arteriography</li> <li>• Arterial and venous balloon angioplasty and stenting</li> <li>• Insertion of vena cava filters</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<ul style="list-style-type: none"> <li>• Endovascular repair of abdominal and thoracic aortic aneurysms</li> <li>• Venography</li> </ul>			
	Perform complete and comprehensive medical history and physical examination covering common vascular and venous problems	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Evaluate, diagnose, operatively manage and follow-up with patients suffering from the following vascular diseases that include but are not limited to: <ul style="list-style-type: none"> <li>• Arterial diseases</li> <li>• Bleeding and clotting disorders</li> <li>• Upper and lower extremity ischemia</li> <li>• Vascular trauma</li> <li>• Arterial Aneurysms</li> <li>• Arteriovenous fistulas</li> <li>• Vascular malformation</li> <li>• Vascular tumors</li> <li>• Renovascular disorders</li> <li>• Splanchnic Vascular lesions and disorders</li> <li>• Extracranial cerebrovascular disease</li> <li>• Venous disorders</li> <li>• Lymphatic disorders</li> <li>• Acute limb ischemia</li> <li>• Neurovascular conditions</li> <li>• Peripheral Arterial Occlusive Disease</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Manage patients with complications from vascular surgery and ischemia.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Interpret 3D imaging processing, CT scan, CT angiography, 3D reconstruction, MRI, and Intravascular ultrasound	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Formulate a clear diagnosis or when necessary generate a differential diagnosis; and develop a clear plan to determine the problem.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	Apply a methodical approach to the use of the history, physical examination and testing to make an accurate diagnosis and assessment of the patient's vascular condition.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Evaluate and provide non-operative management for vascular patients with the following diseases including but not limited to: <ul style="list-style-type: none"> <li>• Atherosclerosis</li> <li>• Intermittent Claudication</li> <li>• Hyperglycemia, Diabetes, Syndrome X</li> <li>• Hypertension</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Under faculty supervision interpret and perform the following vascular diagnostic procedures: <ul style="list-style-type: none"> <li>• Extremity arterial duplex and segmental pressure examination of patient at rest and exercise</li> <li>• Extremity venous duplex examination</li> <li>• Carotid duplex examination</li> <li>• Mesenteric arterial duplex examination</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Gain experience in redo vascular surgery	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Manage infected grafts and endovascular interventions, e.g., carotid stents	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Provide preoperative evaluation and postoperative care for vascular surgery patients	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Perform consultations for vascular trauma and pediatric patients	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Manage vascular access for hemodialysis, thoracic outlet syndrome and mesenteric revascularizations	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Prescribe endovascular therapy for patients	Direct Patient Care	Global Rating Evaluation	Quarterly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Conferences Role modeling	Case Review Focused Observation	Quarterly Daily
	Prevent and manage complication of vascular surgery and ischemia, e.g., cardiac, respiratory, renal, infections, lymphatic, anastomotic aneurysms, aortoenteric fistulae, ischemic neuropathy.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Evaluate the results of operative and non operative treatment	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Demonstrate manual dexterity	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Select and accomplish the appropriate operative procedure	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
Medical Knowledge	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Apply fundamentals of basic and clinical science to vascular surgery.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Develop and begin to demonstrate knowledge of and apply in depth aspects of vascular medicine	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Develop knowledge of the natural history, diagnosis, and management of vascular diseases to successfully provide treatment and management plans for vascular patients.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Develop and begin to demonstrate an understanding of the embryology, physiology, pathology, anatomy, and microbiology of the vascular and venous systems and how it applies to the diagnosis and treatment of vascular disease	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Differentiate between normal and abnormal coagulation and apply this to the treatment of vascular patients.	Direct Patient Care Basic Science Conf Reading List	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Didactic Sessions	Board Exam	End of Program
	Develop and begin to demonstrate an understanding of the indications and contraindications of thrombolytic and antithrombotic agents	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Demonstrate an understanding of the indication, limitations, and complications of diagnostic and surgical procedures	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Vascular Surgery Goals and Objectives.			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Vascular Surgery Goals and Objectives.			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Vascular Surgery Goals and Objectives.			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Vascular Surgery Goals and Objectives.			

By the end of the Vascular Surgery rotation at Baptist, **PGY-7** residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b> With minimal supervision and guidance of faculty, perform the following open vascular procedures: <ul style="list-style-type: none"> <li>• Peripheral vascular surgery</li> <li>• Carotid endarterectomy</li> <li>• Carotid and vertebral transposition and bypass</li> <li>• Upper extremity bypass</li> <li>• Lower extremity bypass (all variations)</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<ul style="list-style-type: none"> <li>• Aortobifemoral, Mesenteric, Renal, Infrainguinal, and Extra-anatomic bypasses</li> <li>• Repair of thoracoabdominal</li> <li>• Infrarenal and peripheral arterial aneurysms</li> <li>• Correction of thoracic outlet syndrome</li> <li>• Venous reconstruction and stripping</li> <li>• Resection of vascular tumors and malformations</li> <li>• Extremity amputation</li> <li>• Thromboembolectomy</li> <li>• Revascularization</li> <li>• Profundaplasty</li> <li>• Arterial Reconstructions</li> <li>• Cerebrovascular</li> <li>• Abdominal obstructive</li> </ul>			
	<p>Perform the following endovascular interventions with minimal supervision and guidance of faculty:</p> <ul style="list-style-type: none"> <li>• Diagnostic arteriography</li> <li>• Arterial and venous balloon angioplasty and stenting</li> <li>• Insertion of vena cava filters</li> <li>• Endovascular repair of abdominal and thoracic aortic aneurysms</li> <li>• Venography</li> </ul>	<p>Direct Patient Care Conferences Role modeling</p>	<p>Global Rating Evaluation Case Review Focused Observation</p>	<p>Quarterly Quarterly Daily</p>
	<p>Perform complete and comprehensive medical history and physical examination covering common vascular and venous problems</p>	<p>Direct Patient Care Conferences Role modeling</p>	<p>Global Rating Evaluation Case Review Focused Observation</p>	<p>Quarterly Quarterly Daily</p>
	<p>Evaluate, diagnose, operatively manage and follow-up with patients suffering from the following vascular diseases that include but are not limited to:</p> <ul style="list-style-type: none"> <li>• Arterial diseases</li> <li>• Bleeding and clotting disorders</li> <li>• Upper and lower extremity ischemia</li> <li>• Vascular trauma</li> <li>• Arterial Aneurysms</li> </ul>	<p>Direct Patient Care Conferences Role modeling</p>	<p>Global Rating Evaluation Case Review Focused Observation</p>	<p>Quarterly Quarterly Daily</p>

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<ul style="list-style-type: none"> <li>• Arteriovenous fistulas</li> <li>• Vascular malformation</li> <li>• Vascular tumors</li> <li>• Renovascular disorders</li> <li>• Splanchnic Vascular lesions and disorders</li> <li>• Extracranial cerebrovascular disease</li> <li>• Venous disorders</li> <li>• Lymphatic disorders</li> <li>• Acute limb ischemia</li> <li>• Neurovascular conditions</li> <li>• Peripheral Arterial Occlusive Disease</li> </ul>			
	Manage patients with complications from vascular surgery and ischemia.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Interpret 3D imaging processing, CT scan, CT angiography, 3D reconstruction, MRI, and Intravascular ultrasound	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Formulate a clear diagnosis or when necessary generate a differential diagnosis; and develop a clear plan to determine the problem.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Apply a methodical approach to the use of the history, physical examination and testing to make an accurate diagnosis and assessment of the patient's vascular condition.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Evaluate and provide non-operative management for vascular patients with the following diseases including but not limited to: <ul style="list-style-type: none"> <li>• Atherosclerosis</li> <li>• Intermittent Claudication</li> <li>• Hyperglycemia, Diabetes, Syndrome X</li> <li>• Hypertension</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	With minimal supervision interpret and perform the following vascular diagnostic procedures: <ul style="list-style-type: none"> <li>• Extremity arterial duplex and segmental pressure</li> </ul>	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
	<ul style="list-style-type: none"> <li>examination of patient at rest and exercise</li> <li>• Extremity venous duplex examination</li> <li>• Carotid duplex examination</li> <li>• Mesenteric arterial duplex examination</li> </ul>			
	Gain experience in redo vascular surgery	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Manage infected grafts and endovascular interventions, e.g., carotid stents	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Provide preoperative evaluation and postoperative care for vascular surgery patients	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Perform consultations for vascular trauma and pediatric patients	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Manage vascular access for hemodialysis, thoracic outlet syndrome and mesenteric revascularizations	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Prescribe endovascular therapy for patients	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Prevent and manage complication of vascular surgery and ischemia, e.g., cardiac, respiratory, renal, infections, lymphatic, anastomotic aneurysms, aortoenteric fistulae, ischemic neuropathy.	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Evaluate the results of operative and non operative treatment	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Demonstrate manual dexterity	Direct Patient Care Conferences Role modeling	Global Rating Evaluation Case Review Focused Observation	Quarterly Quarterly Daily
	Select and accomplish the appropriate operative procedure	Direct Patient Care Conferences	Global Rating Evaluation Case Review	Quarterly Quarterly

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
		Role modeling	Focused Observation	Daily
Medical Knowledge	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Apply fundamentals of basic and clinical science to vascular surgery.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Demonstrate knowledge of and apply in depth aspects of vascular medicine	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Demonstrate knowledge of the natural history, diagnosis, and management of vascular diseases to successfully provide treatment and management plans for vascular patients.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Demonstrate an understanding of the embryology, physiology, pathology, anatomy, and microbiology of the vascular and venous systems and how it applies to the diagnosis and treatment of vascular disease	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Differentiate between normal and abnormal coagulation and apply this to the treatment of vascular patients.	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Demonstrate an understanding of the indications and contraindications of thrombolytic and antithrombotic agents	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
	Demonstrate an understanding of the indication, limitations, and complications of diagnostic and surgical procedures	Direct Patient Care Basic Science Conf Reading List Didactic Sessions	Global Rating Evaluation Case Review Focused Observation Board Exam	Quarterly Quarterly Daily End of Program
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Vascular Surgery Goals and Objectives.			
Interpersonal and	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Communication Skills	See General Vascular Surgery Goals and Objectives.			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Vascular Surgery Goals and Objectives.			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Vascular Surgery Goals and Objectives.			