**Rotation Objectives**
By the end of the Vascular Surgery rotation at MUH, PGY 1 residents are expected 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. Since competencies learned or mastered in the previous years of residency are competencies required for a successful surgeon, the third year resident will demonstrate achieved objectives in previous years with expanded knowledge, more efficiency in performance of procedures, and additional knowledge in pathophysiology encompassing more complex disorders.

<table>
<thead>
<tr>
<th>Competency</th>
<th>Required Skill(s)</th>
<th>Teaching Method(s)</th>
<th>Formative Evaluation Method(s)</th>
<th>Frequency of Evaluation</th>
</tr>
</thead>
</table>
| Patient Care | SPECIALTY SPECIFIC OBJECTIVES | Under supervision, perform the following open vascular procedures:  
- venous reconstruction and stripping  
- extremity amputation  
- dialysis access – fistula and graft  
Describe/Participate as an Assistant in the following open vascular procedures:  
- carotid endarterectomy  
- upper extremity bypass  
- aortofemoral bypass  
- lower extremity bypass (all variations)  
- repair infrarenal aneurysm  
- repair peripheral artery aneurysm  
- resection of vascular tumors and malformations  
- thromboembolectomy | Clinical Teaching Conferences/Didactics Self Directed Learning | Focused Observation Global Rating Mock Oral Exam | Daily Monthly Annually |
| Under Supervision, perform the following endovascular interventions: | Clinical Teaching Conferences/Didactics Self Directed Learning | Focused Observation Global Rating Mock Oral Exam | Daily Monthly Annually |
|· diagnostic arteriography | | | |
|· venography | | | |
|· insertion of vena cava filters | | | |
| Describe/Participate as an Assistant in the following open vascular procedures: | | | |
|· arterial and venous balloon angioplasty and stenting | | | |
|· repair of abdominal and thoracic aortic aneurysm | | | |
|· placement of dialysis and other venous access catheters | | | |

| Medical Knowledge | SPECIALTY SPECIFIC OBJECTIVES | | |
|· Perform comprehensive vascular history and physical exam, including measurement of ankle-brachial indices | Clinical Teaching Conferences/Didactics Self Directed Learning Journal Club | Focused Observation Global Rating Mock Oral Exam ABSITE | Daily Monthly Annually |
|· Perform appropriate evaluation for establishment of hemodialysis access | | | |
|· Describe appropriate use of noninvasive vascular diagnostic testing | | | |
|· duplex scanning – arterial and venous | | | |
|· exercise treadmill testing | | | |
|· segmental arterial pressure determination | | | |

| Demonstrate an understanding of the recognition and management of the following vascular diseases: | Clinical Teaching Conferences/Didactics Self Directed Learning Journal Club | Focused Observation Global Rating Mock Oral Exam ABSITE | Daily Monthly Annually |
|· cerebrovascular disease and transient ischemic attack | | | |
|· AAA - ruptured and nonruptured | | | |
|· aortoiliac occlusive disease | | | |
|· acute and chronic extremity ischemia | | | |
|· renovascular hypertension | | | |
|· superficial thrombophlebitis and DVT | | | |
|· pulmonary embolization | | | |
|· chronic venous disease and ulceration | | | |
|· thoracic outlet syndrome | | | |
|· lymphedema | | | |

<p>| Practice Based Learning and Improvement | SPECIALTY SPECIFIC OBJECTIVES | | |
|· Develop a personal program of self-study and professional growth with guidance from the teaching staff and faculty advisor. | | | |
|· Participate in teaching and organization of the educational conferences and activities of the Department of Surgery and assume responsibility for teaching and supervision of more | Journal Club Research Project M &amp; M Conference | Focused Observation Global Rating Procedure Log | Daily Monthly Quarterly |</p>
<table>
<thead>
<tr>
<th>Interpersonal and Communication Skills</th>
<th><strong>SPECIALTY SPECIFIC OBJECTIVES</strong></th>
</tr>
</thead>
</table>
| See General Surgery Objectives for a comprehensive list. | Create and sustain a therapeutic and ethically sound relationship with patients.  
Clinical Teaching  
Role Modeling  
Didactics/Presentations  
Grand Rounds  
Focused Observation  
Global Rating  
Record Review  
Daily  
Monthly  
Quarterly |
| Work effectively with other members of the medical team including fellow residents and medical students.  
Clinical Teaching  
Role Modeling  
Didactics/Presentations  
Grand Rounds  
Focused Observation  
Global Rating  
Record Review  
Daily  
Monthly  
Quarterly | Maintain professional interactions with other health care providers and hospital staff.  
Clinical Teaching  
Role Modeling  
Didactics/Presentations  
Grand Rounds  
Focused Observation  
Global Rating  
Record Review  
Daily  
Monthly  
Quarterly |
| Professionalism | **SPECIALTY SPECIFIC OBJECTIVES** |
| See General Surgery Objectives for a comprehensive list. | Participate in compassionate patient care maintaining the highest moral and ethical values with a professional attitude.  
Clinical Teaching  
Role Modeling  
Ethics Lectures  
Grand Rounds  
Focused Observation  
Global Rating  
Record Review  
Daily  
Monthly  
Quarterly |
| The resident should be sensitive to the needs and feelings of others, including the patient's family members, allied health care personnel, fellow residents, and medical students.  
Clinical Teaching  
Role Modeling  
Ethics Lectures  
Grand Rounds  
Focused Observation  
Global Rating  
360 Degree  
Record Review  
Daily  
Monthly  
Quarterly | Demonstrate respect, compassion, integrity in the care of patients on a daily basis and sensitivity to patients’ culture, age, and gender.  
Clinical Teaching  
Role Modeling  
Ethics Lectures  
Grand Rounds  
Focused Observation  
Global Rating  
Record Review  
Daily  
Monthly  
Quarterly |
| Systems-Based Practice | **SPECIALTY SPECIFIC OBJECTIVES** |
| See General Surgery Objectives for a comprehensive list. | Understand how the health care organization affects surgical practice.  
M & M Conference  
Multidisciplinary Conf  
Clinical Teaching  
Focused Observation  
Global Rating  
Record Review  
Daily  
Monthly  |
| Demonstrates cost effective health care.  
M & M Conference  
Multidisciplinary Conf  
Clinical Teaching  
Focused Observation  
Global Rating  
Record Review  
Daily  
Monthly  | Partner with health care managers and allied health personnel to improve health care  
M & M Conference  
Multidisciplinary Conf  
Clinical Teaching  
Focused Observation  
Global Rating  
Record Review  
Daily  
Monthly |

MLH_MUH_VASC – PGY1 (r5.18.18sms) 3