

Vascular Surgery Levels of Care

(1) At the attending faculty's discretion, direct supervision of a more junior resident may be delegated to a senior resident (PGY-4/PGY-5) with the faculty providing indirect supervision.			
(2) Faculty may have any level of resident perform any procedure with direct supervision for which the faculty is credentialed.			
(3) PGY level in table is minimum level at which a resident is allowed to perform a procedure.			
PROCEDURE/SKILL	LEVEL OF CARE	SUPERVISION	MILESTONE/COMPETENCY
perform and document H&P	PGY 6-7	Oversight	PC, MK, P, SBP, PBL, C
obtain informed consent	PGY 6-7	Oversight	PC, MK, P, SBP, PBL, C
order, interpret labs	PGY 6-7	Oversight	PC, MK
order, interpret radiologic studies	PGY 6-7	Oversight	PC, MK
perform and document postop care	PGY 6-7	Oversight	PC, MK, P, SBP, PBL, C
dictate discharge, Op note	PGY 6-7	Oversight	PC, MK, P, SBP, PBL, C
discuss medical condition, prognosis with patient and family	PGY 6-7	Oversight	PC, MK, P, C
Atherosclerotic Cerebrovascular Disease	PGY 6-7	Direct	PC, MK
a. Carotid Artery Endarterectomy – Patch and Eversion	PGY 6-7	Direct	PC, MK
b. Carotid Artery Stenting	PGY 6-7	Direct	PC, MK
c. Great Vessel – Endovascular & Open	PGY 6-7	Direct	PC, MK
d. Vertebral Artery Procedures – Open and Endovascular	PGY 6-7	Direct	PC, MK
Non-Atherosclerotic Cerebrovascular Disease	PGY 6-7	Direct	PC, MK
a. Carotid Artery Dissection	PGY 6-7	Direct	PC, MK
b. Takayasu and Giant Cell Arteritis	PGY 6-7	Direct	PC, MK
c. Uncommon Carotid Conditions – FMD, Aneurysm, Carotid Body Tumor	PGY 6-7	Direct	PC, MK
Thoracic Aortic Disease	PGY 6-7	Direct	PC, MK
a. Suprarenal Aortic Aneurysm Repair – Open	PGY 6-7	Direct	PC, MK
b. Thoracic Aortic Aneurysm – Open and Endovascular	PGY 6-7	Direct	PC, MK
c. Thoracic Aortic Dissection Repair – Open and Endovascular	PGY 6-7	Direct	PC, MK
d. Thoracoabdominal Aneurysm Repair – Open and Endovascular	PGY 6-7	Direct	PC, MK
Aorto-Iliac Aneurysms	PGY 6-7	Direct	PC, MK
a. Abdominal Aortic Aneurysm (Infraarenal and Juxtarenal) Repair – Open	PGY 6-7	Direct	PC, MK
b. Endovascular Abdominal Aortic Aneurysm Repair (EVAR) – Elective	PGY 6-7	Direct	PC, MK
c. Endovascular Abdominal Aortic Aneurysm Repair (EVAR) – Rupture	PGY 6-7	Direct	PC, MK

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Other Aneurysms	PGY 6-7	Direct	PC, MK
a. Femoral Artery Aneurysm Repair	PGY 6-7	Direct	PC, MK
b. Isolated Iliac Artery Aneurysm Repair – Open and Endovascular	PGY 6-7	Direct	PC, MK
c. Popliteal Artery Aneurysm Repair – Open and Endovascular	PGY 6-7	Direct	PC, MK
d. Renal Artery Aneurysm Repair – Open and Endovascular	PGY 6-7	Direct	PC, MK
Visceral Artery and Venous Disease	PGY 6-7	Direct	PC, MK
a. Mesenteric Bypass/Endarterectomy	PGY 6-7	Direct	PC, MK
b. SMA Stenting	PGY 6-7	Direct	PC, MK
c. SMA Thrombectomy	PGY 6-7	Direct	PC, MK
Renovascular Diseases	PGY 6-7	Direct	PC, MK
a. Artery Bypass – Aortorenal, Splenorenal, Hepatorenal	PGY 6-7	Direct	PC, MK
Atherosclerotic Lower Extremity Disease	PGY 6-7	Direct	PC, MK
a. Aortobifemoral Bypass	PGY 6-7	Direct	PC, MK
b. Axillobifemoral Bypass	PGY 6-7	Direct	PC, MK
c. Common/Profunda Femoral Endarterectomy	PGY 6-7	Direct	PC, MK
d. Femoral BK Popliteal/Tibial Bypass with Prosthetic/Vein	PGY 6-7	Direct	PC, MK
e. Femoral Popliteal Artery Embolectomy	PGY 6-7	Direct	PC, MK
f. Femoral PTA/Stenting	PGY 6-7	Direct	PC, MK
g. Iliac Artery Stenting	PGY 6-7	Direct	PC, MK
h. Popliteal-tibial and Pedal Bypasses	PGY 6-7	Direct	PC, MK
i. Thrombolytic Therapy	PGY 6-7	Direct	PC, MK
j. Tibial PTA/Stenting	PGY 6-7	Direct	PC, MK
Non-Atherosclerotic Lower Extremity Disease	PGY 6-7	Direct	PC, MK
a. Amputations – Foot (Toe, Ray, TMA, Chopart, Lisfranc, Symes)	PGY 6-7	Direct	PC, MK
b. Amputations – Lower Extremity (AKA, Through the Knee, BKA)	PGY 6-7	Direct	PC, MK
Thoracic Outlet Syndromes & Upper Extremity Disease	PGY 6-7	Direct	PC, MK
a. Carotid-Subclavian Artery Bypass	PGY 6-7	Direct	PC, MK
b. First Rib Resection – Infraclavicular	PGY 6-7	Direct	PC, MK
c. First Rib Resection – Transaxillary	PGY 6-7	Direct	PC, MK
Vascular Trauma	PGY 6-7	Direct	PC, MK

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a. Abdominal Vascular Exposures	PGY 6-7	Direct	PC, MK
b. Thoracic Aortic Injury (Blunt) Repair – Endovascular	PGY 6-7	Direct	PC, MK
Hemodialysis Access	PGY 6-7	Direct	PC, MK
a. Failing/Thrombosed Access – AVF and AVG Management	PGY 6-7	Direct	PC, MK
b. Hemodialysis Access Catheter	PGY 6-7	Direct	PC, MK
c. Nonthrombotic Access Complications Repair	PGY 6-7	Direct	PC, MK
d. Peritoneal Dialysis Catheter Placement	PGY 6-7	Direct	PC, MK
Venous Insufficiency, Lymphatic Diseases & Malformations	PGY 6-7	Direct	PC, MK
a. Sclerotherapy	PGY 6-7	Direct	PC, MK
b. Varicose Vein Procedures	PGY 6-7	Direct	PC, MK
Venous Thrombosis	PGY 6-7	Direct	PC, MK
a. DVT (Acute) Treatments	PGY 6-7	Direct	PC, MK
b. Vena Caval Filter Insertion and Removal	PGY 6-7	Direct	PC, MK
c. Venous Obstructive Disorders Treatments	PGY 6-7	Direct	PC, MK
Complications	PGY 6-7	Direct	PC, MK
a. Anastomotic Aneurysm Repair	PGY 6-7	Direct	PC, MK
b. Aortic Graft-Enteric Fistula/Erosion Removal –Extra-Anatomic vs In Situ Replacement	PGY 6-7	Direct	PC, MK
c. Neo-Aortoiliac System Procedure	PGY 6-7	Direct	PC, MK
d. Pseudoaneurysm Repair, Iatrogenic – Open vs. Injection	PGY 6-7	Direct	PC, MK
Imaging/Vascular Laboratory	PGY 6-7	Direct	PC, MK
a. CT/CT Angiography	PGY 6-7	Direct	PC, MK
b. MR Angiography	PGY 6-7	Direct	PC, MK

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KEY
Supervision:
Direct -the supervising physician is physically present with the resident and patient.
A faculty physician, other than another resident, is physically present during the key portions of the procedure or is immediately available.
Indirect -the supervising physician is physically within the hospital or other site of patient care and is immediately available to provide direct supervision.
Oversight - the supervising physician is available to provide review of procedures/encounters with feedback after care is provided.
Core Competencies:
1. Patient Care (PC)
2. Medical Knowledge (MK)
3. Practice-Based Learning & Improvement (PBL)
4. Systems-Based Practice (SBP)
5. Interpersonal & Communication Skills (IC)
6. Professionalism (P)