

Inpatient, Outpatient, and Open Vascular Surgery

OBJECTIVES:

To understand the appropriate diagnostic and management options for vascular disease as outlined in the detailed list of topics under knowledge objectives.

To demonstrate the ability to manage the preoperative, operative, and postoperative care of patients with arterial, venous, and lymphatic disease using both open surgical, interventional, and medical treatment.

PATIENT CARE:

PGY-1 (4 months total in rotation):

1. To demonstrate effective patient evaluation techniques, including history, physical examination and noninvasive testing.
2. To clearly present patient information on rounds and in conferences.
3. To learn basic concepts concerning arterial occlusive and aneurysmal disease and venous thrombosis and insufficiency.
4. To perform under supervision basic surgical procedures including amputation, varicose vein excision and femoral artery exposure.
5. To demonstrate responsibility for the care of inpatients (exclusive of intensive care patients) on the vascular service, with faculty and senior resident supervision.
6. To demonstrate appropriate initial evaluation of outpatients with the vascular disease including plans for initial diagnostic evaluation.

PGY-2 (4 months total in rotation):

1. To demonstrate expertise with the procedures learned during the previous year.
2. To demonstrate responsibility for the care of the vascular patients in the intensive care units.
3. To acquire detailed knowledge concerning arterial occlusive and aneurysmal disease and venous thrombosis and insufficiency.
4. To perform under supervision operations including arteriovenous access procedures, lower extremity arterial exposure and vein graft anastomosis, and carotid artery exposure, and first assist on abdominal vascular operations.
5. To demonstrate appropriate evaluation of outpatients with the vascular disease, including plans for diagnostic evaluation and initial therapeutic planning.
6. To demonstrate proficiency in placing percutaneous arterial and venous monitoring catheters.

PGY-3 (4 months total in rotation):

1. To demonstrate expertise with procedures learned during the previous years.
2. To acquire basic knowledge concerning less common arterial, venous and lymphatic disease processes, including diagnosis and treatment options.
3. To perform under supervision inpatient consultations for other services.
4. To perform under supervision operations including lower extremity bypass, carotid endarterectomy, exposure of the abdominal aorta through trans- and retroperitoneal exposure, and endovascular aortic and iliac aneurysm repair.
5. To demonstrate thorough evaluation of outpatients with the vascular disease, including diagnostic and therapeutic planning.

PGY-4 (4 months total in rotation):

1. To demonstrate expertise with procedures learned during the previous years.
2. To acquire detailed knowledge concerning less common arterial, venous and lymphatic disease processes, including diagnosis and treatment options.
3. To take primary responsibility for supervising junior residents in the management of all patients on the inpatient vascular service.
4. To perform under supervision operations including open abdominal aortic aneurysm repair, upper extremity bypass, direct cervical brachiocephalic reconstruction, extra anatomic bypass, endovascular repair of thoracic aortic pathology, and exposure for thoracic and thoracoabdominal aneurysm.
5. To demonstrate complete evaluation of outpatients with the vascular disease, including diagnostic and therapeutic planning with minimal faculty supervision.

PGY-5 (8 months total in rotation):

1. To demonstrate expertise with procedures learned during the previous years.
2. To demonstrate detailed knowledge concerning all arterial, venous and lymphatic disease processes, including diagnosis and treatment options, using interventional, open and medical management techniques.
3. To assume Chief resident responsibilities for supervision of the entire vascular service.
4. To instruct junior residents in basic open operations.
5. To perform under supervision complex vascular operations, including thoracoabdominal aneurysm repair, excision and replacement of infected bypass grafts, redo carotid endarterectomy, carotid body tumor excision, renal and mesenteric artery bypass, and redo abdominal aortic surgery.
6. To independently manage complex vascular patients minimal faculty supervision in both the outpatient and inpatient setting.