

Vascular Surgery Fellowship Program

University of Wisconsin,
Madison



Our Goal- To Train the Future Leaders in Vascular Surgery

- Compassionate physicians
- Technical excellence
- Mature judgment
- Leadership skills
- Research experience

What is Special about Surgical Training at Wisconsin?

- Breadth of advanced clinical experience
- Depth of faculty experience across fields
- Commitment to resident education
 - Progressive educational opportunities
- Commitment to resident research and academic development
- Commitment to development of leadership skills

Vascular Surgery Fellowship

- Provide incremental, progressive training in vascular surgery (VS) during the two-year program
- Four integrated sites: UW Hospital, Wm. S. Middleton VA Hospital (connected by corridor), Meriter Hospital (5 minute drive) and Transformations (aesthetic center; 10 min drive)
- Affiliated Rotations.
 - Future possible site at Swedish American Hospital in Rockford, IL

MAJOR CLINICAL FACILITIES

UW Hospital - 505 beds

Meriter Hospital - 450 beds

Veteran's Hospital - 90 beds

American Family Children's Hospital - 87 beds

UW Health at The American Center - 56 beds



UW Hospital



VA Hospital



Meriter Hospital



The American Center-TAC



Research within the Division

- Division of Vascular Surgery has 6 funded faculty researchers!
 - NIH, AHA, PCORI, NPCRC, etc.
 - Starting in 2019, 2 years of research time is required for the Vascular Surgery Residency
 - NIH T-32 Vascular Biology Research Training Grant
 - Basic Science – AAA- Dr. Liu
 - Outcomes – WiSOR – Dr. Greenberg
 - Data and Data Analysis – Dr. Bennett
 - AAA- Dr. Yamanouchi, Dr. Matsumura
 - Global Surgery – Dr. Tefera
 - Bioethics, Studies to change clinical practice- Dr. Schwarze
 - Clinical Trials - Gore Core Lab, BEST-CLI, TEVAR/EVAR, etc...
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- Vascular Residency now requires 2 years of mandatory research after PGY2 clinical year.

Vascular Surgery Fellowship Curriculum

- APDVS curriculum on-line with references, both Basic Science and Clinical Curricula
- Vascular SCORE
- Written Curriculum Goals and Educational Objectives
- UCLA/SVS Vascular Review Course in September of PGY 6
- RPVI Exam in PGY 7 year (Division covers cost)
- Web-based universal curricula being developed by APDVS
 - Milestone Driven
- Monthly Global (Web-ex online) and Local Journal Clubs

Vascular Rotations PGY 6 and PGY 7

- **UW Vascular Service (6 months/yr)**
- 2 three month blocks each of the PGY 6&7 years
- 2 senior vascular residents/fellows, vascular surgery PGY 2 or 3 and a general surgery PGY 1
- 3 nurse practitioners on the floor (They are awesome!)
 - Including 1 working weekend days
- Zeego Angio Operating Suite (also at VA)
- Manages all elective and emergent vascular surgery cases.
- Elective cases include: all complex cases such as open thoracoabdominal aneurysm repair, TEVAR, FEVAR, complex lower extremity bypass, carotid endarterectomy, TCAR, and mesenteric arterial interventions.

Vascular Rotations PGY 6 and PGY 7

- **Meriter Rotation (3 months/yr)**
- 1 three month block as chief each of the PGY-6 & -7 years
- 1 senior vascular trainee, general surgery PGY 3
- 2 APP's (weekday's)
- Manages elective lower extremity angiography, the majority of the dialysis access procedures, both open and endovascular, varicose vein procedures, and some carotid endarterectomy and lower extremity bypass procedures. Also manages numerous inpatient consults from hospitalist service at Meriter.
- Vascular Clinic at UW Health 1 S Park at least 1 day/wk

Vascular Rotations PGY 6 and PGY 7

- **VA Rotation (3 months/yr)**
- 1 three month block as chief each of the PGY-6 & -7 years
- 1 senior vascular trainee, general surgery PGY 1
- 2 APP's
- In charge of running the vascular service and weekly outpatient clinic with supporting faculty
- Endovascular procedures are performed in the VA hybrid Angio OR suite including EVAR, FEVAR, and percutaneous management of peripheral, renal and carotid occlusive disease.
- All manner of open procedures are performed at the VA including carotid and femoral endarterectomy, aortic reconstruction for occlusive and aneurysmal disease, extra-anatomic bypasses and infrainguinal and infrageniculate bypasses.
- Vascular Clinic 1 day/wk

Policy on V-SITE

- Vascular Surgery In-service Training Exam
- Exam is required both Fellowship years
- Preparation for the Vascular Surgery Qualifying (“Written”) examination.

Vascular Call

- Call is from home
- Backup night-float intern every 4th night during week
- Backup junior residents every fourth weekend in rotation with fellows
- The vascular PGY4, PGY5 and fellows are on call and have rounding duties every fourth weekend
- Weekend Midlevel NP support

Programs and Clinical Trials

- Limb Salvage Angioplasty Program
- Hemodialysis Access
- TOS
- Carotid Stent Program
- Thoracic Endograft Program
- Fenestrated EVAR program (>30 cases / year)
- Cook: P-branch Endovascular Graft Pivotal Study
- BEST CLI Trial
- GORE[®] TAG[®] Thoracic Branch Endoprosthesis (TBE Device)
- GORE IBE bifurcated iliac trial
- Roadster flow reversal cerebral protection carotid stent trial
- CREST 2 Trial; CEA vs CAS vs Medical Management

New Initiatives

- Global Health: Ethiopia
 - Beginning in 2018
 - The first vascular residency in Africa (outside South Africa)
 - Faculty from the Univ. of Wisconsin and other invited institutions will rotate every other month to Addis Ababa
 - Opportunity for PGY-6 Vascular resident to rotate for 1 month when UW faculty present at end of 1st year of fellowship.
- Simulation Curriculum
 - Fundamentals of Vascular and Endovascular Surgery Program
 - APDVS pilot site
 - Simulation Center UWHC
 - Open skills training: low cost and high-end
 - Active faculty mentoring