



**For urgent or emergent patient transfers**

Call the UW Medicine Transfer Center at **888.731.4791**.

**For referral or appointment**

Call the UW Medicine Contact Center at **206.520.5000**.

*Veteren's Administration | Puget Sound*

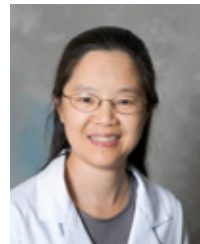


**WAYNE ZHANG, MD,**

Professor in the Division of Vascular Surgery

**Clinical Practice:** full range of vascular surgery, specializing in open and endovascular treatments of aortic, carotid, visceral, lower extremity arterial diseases; dialysis access; and venous disorders.

**Interests:** teaching medical students, residents and fellows in clinic and the operating room.



**GALE TANG, M.D.**

UW assistant professor of surgery  
Board-certified in vascular and general surgery

**Clinical practice:** thoracic and aortic endografting, carotid stenting, critical limb ischemia

**Research interests:** collateral artery development, non-operative critical limb ischemia therapies



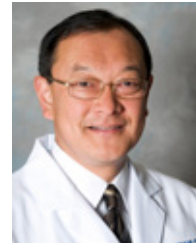
**WARREN CHOW, M.D.**

UW assistant professor

**Clinical Practice:** open vascular surgery and endovascular techniques for the treatment of aortic, cerebrovascular, visceral, lower extremity arterial diseases as well as venous disorders and dialysis access.

**Interests:** bioengineering and surgical outcomes in elderly patients.

*Clinical & Basic Research*



**THOMAS HATSUKAMI, M.D.**

UW professor of surgery  
Board-certified in vascular surgery

**Research interests:** atherosclerotic plaque diagnostic imaging, atherosclerosis biomarkers, pharmacological efficacy of plaque stabilization



**MICHAEL SOBEL, M.D.**

UW professor of surgery  
Board-certified in vascular surgery

**Clinical practice:** disorders of veins and arteries, varicose veins, blood clotting

**Research interests:** thrombosis and vascular biology



**RICHARD KENAGY**

UW research assistant professor

**Research interests:** mechanisms of restenosis and vascular lesion regression; vascular wall biology; proteinases and extracellular matrix



**WENDY HAMAR**

UW research scientist

**Research interests:** critical limb ischemia/peripheral vascular disease, endovascular repair of aortic aneurysms



**BILLI TATUM**

UW clinical research coordinator

**Clinical practice:** endografting for complex aortic disease, vascular trauma, patient outcomes

## REGIONAL VASCULAR CENTER



The UW Medicine Regional Vascular Center provides comprehensive services for patients with circulatory problems and their referring healthcare providers throughout a five-state region: Washington, Wyoming, Alaska, Montana and Idaho (WWAMI).

*Sub-specialized vascular care*

Our vascular experts in arterial, venous, and lymphatic disease work with radiology and cardiology specialists to determine the appropriate diagnostic imaging and medical or surgical treatment options. Common conditions treated include complex aortic pathology, carotid stenosis, claudication, and peripheral arterial disease. When surgical intervention is indicated, we use minimally invasive endovascular procedures in every possible instance. We treat many patients with major vascular illnesses who may not be candidates for traditional open surgery. Conventional open surgery is performed, as needed, to repair traumatic injuries to vessels and in urgent cases when ischemia, or insufficient blood flow, threatens organs. We strive to achieve shorter hospital stays, higher quality of life and cost savings through the effective use of diagnostic imaging, medications and endovascular procedures.

*World-class academic medicine*

As a regional resource, we provide care that is not available in smaller communities. The center treats more patients with ruptured abdominal aortic aneurysms (rAAA) annually than any other healthcare facility in the WWAMI region. We have also been internationally recognized for creating an emergency protocol that dramatically reduced the average mortality rate for rAAA patients. The UW Medicine Regional Vascular Center offers robust education and research programs, including digital broadcasts of real-time surgical procedures and interactive discussions of interesting cases. Examples of major research efforts include multi-center clinical trials of aortic endograft devices and studies concerning carotid stroke risk prediction and the vascular biology of vessel stenosis.

*Our locations*

**Harborview Medical Center**  
325 9th Avenue  
Seattle, WA 98107

**Valley Medical Center**  
400 S. 43rd Street  
Renton, WA 98055

**Eastside Specialty Center**  
3100 Northup Way  
Bellevue, WA 98004

**Northwest Hospital & Medical Center**  
1550 N. 115th Street  
Seattle, WA 98133

**UW Medical Center**  
1959 N.E. Pacific Street  
Seattle, WA 98195

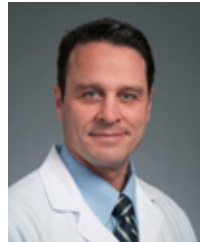
**Veteren's Administration**  
1660 S Columbian Way  
Seattle, WA 98108

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## OUR TEAM

Patients and referring physicians benefit from our vascular specialists' technical expertise and innovative approaches to both common and complex vascular conditions.

### Harborview Medical Center



**BENJAMIN STARNES, M.D., F.A.C.S.**

UW professor of surgery  
Board-certified in vascular surgery

**Clinical practice:** ruptured aortic aneurysms, traumatic aortic injury, aortic dissection, vascular trauma

**Research interests:** endografting for complex aortic disease, vascular trauma, patient outcomes

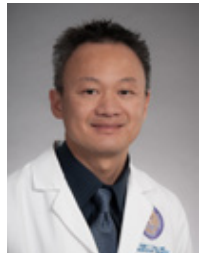


**NITEN SINGH, M.D.**

UW associate professor of surgery  
Board-certified in vascular and general surgery

**Clinical practice:** vascular disease and trauma, aortic aneurysm

**Research interests:** critical limb ischemia, vascular education, popliteal entrapment, lower extremity compartment syndrome

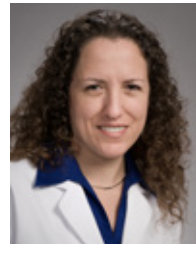


**NAM THANH TRAN, M.D.**

UW associate professor of surgery  
Board-certified in vascular surgery

**Clinical practice:** aortic aneurysm, aortic reconstruction, vascular trauma, aortic vasculitis, carotid disease

**Research interests:** aortic aneurysm, endovascular surgery, vascular trauma, endovascular simulators



**ELINA QUIROGA, M.D.**

UW assistant professor of surgery  
Board-certified in vascular and general surgery

**Clinical practice:** surgery, peripheral vascular disease, dialysis access

**Research interests:** quality of life after trauma, outcomes of ruptured aneurysms, surgical education



**ANTHONY PIROT, D.N.P., A.R.N.P.**

UW teaching associate and nurse practitioner

**Clinical practice:** adult vascular medicine

**Interests:** improving the quality of acute-care patients receive by developing protocols specific to vascular surgery, clinical disaster preparedness and response



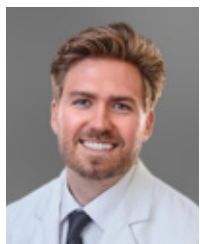
**BRENDA ALLEN, M.N., A.R.N.P.**

Nurse practitioner

**Clinical practice:** peripheral vascular disease, wound management, dialysis-access placement and maintenance

**Interests:** patient education

### Northwest Hospital & Medical Center



**JOHNATHON C. ROLLO, M.D.**

UW assistant professor of surgery

**Clinical Practice:** minimally invasive endovascular techniques for limb salvage, carotid artery disease, aneurysm repair and venous disease.

**Interests:** venous stenting; thoracic outlet syndrome; outcomes in peripheral arterial disease

### University of Washington Medical Center



**MATTHEW SWEET, M.D.**

UW assistant professor of surgery  
Board-certified in vascular and general surgery

**Clinical practice:** arterial disease, endovascular treatment of complex aortic aneurysms

**Research interests:** endovascular therapies for aortic aneurysms, thoraco-abdominal aortic aneurysms

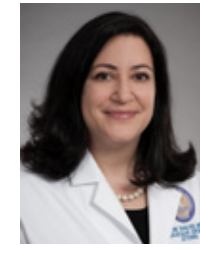


**MARK MEISSNER, M.D.**

UW professor of surgery  
Board-certified in vascular surgery

**Clinical practice:** venous disease, trauma, abdominal aortic aneurysms, leg ulcers

**Research interests:** venous disease, venous thromboembolism, leg ulcers, coagulation abnormalities, ruptured abdominal aortic aneurysm



**SHERENE SHALHUB, M.D., M.P.H.**

UW assistant professor of surgery  
Board-certified in vascular and general surgery

**Clinical practice:** arterial disease, aneurysms, dissections

**Research interests:** genetic basis of aneurysms and dissections, rapid aneurysmal degeneration mechanisms, vascular trauma

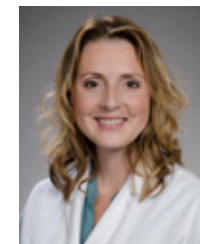


**R. EUGENE ZIERLER, M.D.**

UW professor of surgery  
Board-certified in vascular surgery

**Clinical practice:** noninvasive diagnostic techniques for vascular disease

**Research interests:** vascular physiology, diagnostic imaging policy



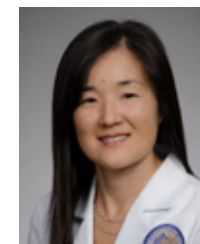
**SARAH WHITEHEAD, A.R.N.P.**

Nurse practitioner

**Clinical practice:** peripheral arterial disease, venous disease, lymphedema

**Interests:** vascular surgery

### Valley Medical Center



**SUSANNA SHIN, M.D.**

UW assistant professor of surgery  
Board-certified in vascular and general surgery

**Clinical practice:** open and endovascular treatment of arterial and venous disease

**Research interests:** surgical education, central venous disease