



EXCELLENCE IN VASCULAR SURGICAL CARE

Michigan Medicine's Vascular Surgery team is a national leader in clinical care of patients with vascular disease as well as in innovative research to advance the field. Our team performs the full range of endovascular and open surgery to provide the best treatment option for each patient.

Our surgeons treat the entire spectrum of vascular conditions, including:

- Abdominal aortic aneurysm
- Carotid artery disease
- Fenestrated aortic endograft
- Mesenteric artery disease
- Peripheral arterial disease
- Renal artery disease
- Thoracic outlet syndrome
- Varicose veins
- Venous thromboembolism (complicated)
- Venous insufficiency
- Vertebral artery disease
- Thoracic and thoracoabdominal aortic aneurysm
- Hemodialysis access

TREATMENT OPTIONS

Our Vascular Surgery team takes a comprehensive approach to treating vascular disease, offering a variety of treatment options:

- **Lifestyle Modification:** Exercise, smoking cessation, eating a low-cholesterol diet and controlling diabetes.
- **Medication:** To help manage cholesterol and platelet function for some vascular disease patients.
- **Minimally Invasive Endovascular Options:** Our team is a national leader in performing minimally invasive endovascular procedures for peripheral, carotid, aortic and venous disease. We are also national leaders in TCAR and custom laser fenestrated endograft procedures.

-Thoracic Endovascular Aortic Repair (TEVAR, pTEVAR) to treat thoracic aortic aneurysms or aortic dissections. This procedure can be incisionless (pTEVAR) or with small incisions in the groin to insert a catheter, followed by the placement of a stent graft to repair the aneurysm.

-Endovascular Aneurysm Repair (EVAR, pEVAR) to treat abdominal aortic aneurysms. This procedure can be incisionless or with a small incision in the groin to insert a catheter, followed by the placement of a stent graft to repair the aneurysm.

-Fenestrated Endovascular Aneurysm Repair (FEVAR, pFEVAR, custom laser fenestrated FEVAR) to treat complex abdominal aortic aneurysms. This procedure can be incisionless or with small incisions in the groin followed by placement of a stent

graft to repair the aneurysm while preserving blood flow to the kidneys, intestines, stomach and liver.

-Angioplasty and Stenting to treat carotid stenosis and PAD. During this procedure, a catheter-guided balloon is used to open a narrowed artery. A stent is typically placed at the narrowed section during angioplasty.

-Transcarotid Artery Revascularization (TCAR) to treat carotid stenosis. The procedure involves placing a stent through a small incision at the base of the neck, which allows direct access to the common carotid artery. Early results suggest that TCAR has the lowest stroke risk among procedures for carotid stenosis, with lower risk of nerve injury than carotid endarterectomy.

- **Open Surgical Options:** For many vascular patients, surgery is the medical option that best meets their needs. Our team is able to perform all open surgeries with a history of excellent outcomes.

-Open Abdominal Aortic Surgery to treat abdominal aortic aneurysms or aortoiliac occlusive disease. For aneurysms, the aneurysm is opened and a fabric graft is sutured into the proximal and distal ends of the aorta and fixed into place. The dilated portion of the aorta is then closed over the graft. For patients with blockages in the aorta or iliac vessels, a graft is sewn in to redirect blood around the areas of blockage.

-Bypass Surgery to treat PAD, renal vascular disease or mesenteric vascular disease. This surgical procedure redirects blood flow around an area of blockage, creating an alternate channel for blood flow and bypassing an obstructed or damaged vessel.

-Open Carotid and Femoral Endarterectomy to treat cerebrovascular disease or PAD. This procedure involves the surgical removal of plaque build-up on the inner lining of the artery.

-Thoracic Outlet Decompression to treat neurogenic, venous or arterial thoracic outlet syndrome. During this procedure the thoracic outlet is decompressed.

-Dialysis Access to treat patients in need of long-term hemodialysis access. Our team creates AV fistulas or places a graft in both the upper and lower extremities. We also manage complications of access such as pseudoaneurysms, infection and steal syndrome.

The Society for Vascular Surgery's Vascular Quality Initiative (VQI)

HIGHEST ★★ ★ RATING

FOR PATIENT REFERRALS 24 HOURS A DAY, CALL M-LINE AT 800-962-3555

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TREATING VENOUS DISEASE

The Venous Health Program at the Frankel CVC is a multidisciplinary, large-volume clinic that provides care for the entire spectrum of venous disease. Our innovative treatments include:

- **Liquid and Varithena Foam Sclerotherapy** for treatment of spider, reticular and varicose veins.
- **Comprehensive treatment of superficial reflux with:** radiofrequency ablation, laser ablation, ClariVein (pharmacomechanical) and VenaSeal (chemical) ablation.
- **Laser ablation** of perforator veins.

- **Phlebectomies** using Trivex, microphlebectomy, ambulatory phlebectomy, stab phlebectomy and foam sclerotherapy for removal of varicose veins.

- **Pharmacomechanical thrombolysis** for treatment of iliofemoral venous thrombosis.

- **Recanalization of central veins** to treat significant chronic venous insufficiency or obstruction.

We also offer consultative and educational programs for referring physicians, especially those who are some distance from Ann Arbor, to help them manage venous disease patients locally.

VASCULAR SURGERY FACULTY



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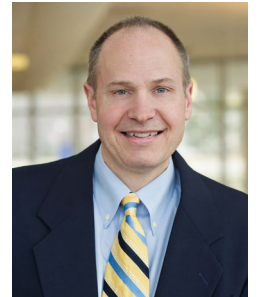
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LOCATIONS

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Northville, MI 48169

East Ann Arbor Surgery and Medical Procedures Center
4270 Plymouth Road
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