

A high-angle, close-up photograph of three surgeons in an operating room. They are wearing blue scrubs, surgical masks, and hairnets. One surgeon in the foreground is wearing glasses and a white surgical mask. Another surgeon to the right is wearing glasses and a white surgical mask. A third surgeon is partially visible at the top left, wearing a blue headlamp. The background shows the circular lights of the operating room.

**M** | MICHIGAN MEDICINE

**DEPARTMENT  
OF SURGERY**

**Advancing Surgeon Excellence.  
Training the next generation  
of leaders.**

[medicine.umich.edu/dept/surgery](https://medicine.umich.edu/dept/surgery)

**VASCULAR SURGERY TRAINING**

## MEDICAL STUDENT OPPORTUNITIES

The Department of Surgery's clinical electives and programs will help prepare medical students as they apply for residency. These opportunities build your surgical expertise and your leadership skills as you prepare for the next step in your training:

- **Visiting Students (VSAS):** We offer clinical electives to visiting fourth year medical students to rotate on the University of Michigan Medical School's fourth-year surgery electives. We coordinate electives in general, vascular, plastic, and cardiac surgery. Please apply through the AAMC VSAS process.
- **Surgery Leadership Weekend:** This program, held in May each year, teaches surgical leadership skills and reviews what you need to know about the surgical residency application process. All U-M medical students going into surgery and select external students are eligible to attend. External student applications are solicited in February and March through emails to clerkship directors and medical school deans.



## RESIDENT OPPORTUNITIES

The Department of Surgery is nationally recognized for the excellence of its surgical training programs and consistently attracts outstanding candidates for trainee positions at the house officer and fellowship levels. As a surgery resident or fellow at the University of Michigan, you'll join a department committed to your success. Our residency and fellowship programs emphasize:

- **Mentorship and Multidisciplinary Cross-Training:** You will learn from more than 100 full-time faculty across 20 specialties, including experts in biochemistry, immunology, bioengineering, and physiology. Our residents establish strong mentoring relationships with faculty who are at the top of their field.
- **Michigan Center for Global Surgery:** You will have the opportunity to incorporate global surgery projects into your training experience through the Michigan Center for Global Surgery. Global outreach initiatives across 4 continents focus on long-term, sustainable programs to advance world health policy and research, global health education, and international surgical care.
- **Complex Cases:** Our clinical facilities contain nearly 1,000 beds, and we have more than 16,000 annual operative cases. U-M's status as a state referral center brings patients with unique cases to Michigan Medicine, and patients often travel out of state to be treated here. This means that you'll manage more clinical cases and see more diverse and unusual cases than at other institutions. Additionally, trainees can hone their skills in the advanced Clinical Simulation Center, an American College of Surgeons-certified Level 1 training center that provides adult, pediatric, procedural, and surgical simulators.
- **Academic Development:** Residents conduct clinical, basic science, translational, and outcomes research throughout their training at our research facilities, which span more than 50,000 square feet across the medical campus. In 2017, we ranked #1 for National Institutes of Health funding, with a total of more than \$35 million in extramural support, and we publish more than 900 papers annually. Our residents have unparalleled participation in national conferences. This work is celebrated across the entire Department of Surgery at our annual Moses Gunn Research Conference.

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## WHY TRAIN AT MICHIGAN

At the Michigan Medicine Department of Surgery, we're known nationally for excellence in guiding the next generation of surgeons. You'll join a team of more than 100 full-time physicians and scientists who will challenge and support you while you advance to independence in the OR and beyond.

- **Stronger Together:** As a Michigan surgery resident, you'll join a cohort of trainees from the top institutions across the country.
- **Great Cases Come to You:** The size and scope of UM's clinical facilities mean that you'll see more diverse and challenging cases than at other institutions.
- **World-Class Education:** We combine opportunities to learn from world-class leaders with a setting that thrives on collaboration.
- **Inclusive Environment:** You will benefit from a diverse population of patients, faculty and fellow trainees. We are committed to an inclusive environment that recognizes strengths in different backgrounds, skills and abilities.
- **Facilities:** With 3 hospitals, 6 specialty centers, and more than 4.6 million square feet of space supporting research and education, Michigan Medicine facilities offer comprehensive and technologically advanced resources for patients, investigators, and trainees.
- **Life in Ann Arbor:** Ann Arbor combines big-city culture with the natural beauty of Michigan's beaches, forests, and rivers. From mid-summer's Ann Arbor Art Fair to fall football games to skiing in winter, Ann Arbor offers four-season charm with plenty to do.

## VASCULAR SURGERY TRAINING (0+5 AND 5+2)

### MISSION

We graduate skilled vascular surgeons who go on to continue our specialty's legacy of innovation, go on to advance the care of vascular patients and who enjoy long and fruitful careers in academic vascular surgery. We train compassionate physicians with technical excellence, mature judgment, leadership skills, and research experience.

### ADVANCED CLINICAL EXPERIENCE

Our program dedicates 5 clinical years to progressive training in vascular surgery, leading to primary certification in vascular surgery.

### Highlights include:

- A multidisciplinary approach to peripheral vascular, aortic, and venous disease.
- Breadth of advanced clinical experience, with mainly even distribution of open and endovascular cases.
- Exposure to all aspects of vascular surgery, including “boutique” practices (advanced open aortic surgery, fEVAR, vertebral reconstructions and pediatric vascular surgery).
- Access to one of the nation's best cardiovascular centers, the Frankel Cardiovascular Center, a 425,000-square-foot, \$215 million facility with a 24-bed surgical post-procedure ICU, 24 vascular general/moderate care beds, and 10 dedicated cardiothoracic and vascular ORs.

## RESEARCH

Our program provides 2 years of protected and funded academic development time between your third and fourth clinical years.

### Highlights include:

- Excellent NIH and DOD funding in the areas of venous thrombosis, vascular trauma, and peripheral arterial disease.
- T-32 Training Grant opportunities in basic science and outcomes research.
- Multiple national clinical trials.
- Funding for residents to present at regional and national conferences.

## RESOURCES

### **Michigan Medicine Vascular Surgery**

[medicine.umich.edu/vascular-surgery](http://medicine.umich.edu/vascular-surgery)

### **Office of Health Equity and Inclusion**

[ohei.med.umich.edu](http://ohei.med.umich.edu)

### **University of Michigan Medical School**

[medicine.umich.edu/medschool/education](http://medicine.umich.edu/medschool/education)

### **Diversity & Inclusion Ambassadors**

Valeria Valbuena, MD, [vvaleria@med.umich.edu](mailto:vvaleria@med.umich.edu)

Glenn Wakam, MD, [gwakam@med.umich.edu](mailto:gwakam@med.umich.edu)

### **Contact Us**

#### **Office of Surgery Education**

University of Michigan  
1500 E. Medical Center Drive  
2110 Taubman Center  
Ann Arbor, MI 48109-5346  
Phone: (734) 936-5732

#### **Program Director**

Dawn Coleman, MD  
[dawnbarn@med.umich.edu](mailto:dawnbarn@med.umich.edu)

#### **Associate Program Director**

Nicholas Osborne, MD, MS  
[nichosbo@med.umich.edu](mailto:nichosbo@med.umich.edu)

## FACTS & STATS

- Fellowship Founded 1982
- Residency Founded 2007
- 9 Clinical Vascular Surgeons and 3 dedicated Research Faculty
- Faculty and ACGME surveys consistently above the national average
- 100% vascular surgery QE and CE pass rate
- Comprehensive vascular surgery curriculum
- Endovascular simulation lab with comprehensive curriculum
- Scholarly development plan with mentoring program



## **MICHIGAN PROMISE ADVANCING SURGEON EXCELLENCE**

The Michigan Promise is an unparalleled investment in the advancement of faculty in Michigan Medicine's Department of Surgery.

To ensure that this advancement is realized, the department has committed to:

- Preparing each surgeon to achieve the highest excellence in clinical care, research and education
- Building a diverse and inclusive culture
- Recruiting the best and brightest clinicians and scientists
- Creating innovative strategies for ongoing professional growth and scientific discovery
- Developing the most talented and progressive leaders in academic medicine
- Expanding outreach and service to local, regional, national and global partners

