



# Michigan State University / Michigan Vascular Center Vascular Fellowship Program

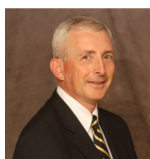
## A Private Practice, Community-Based Model

## 2 Positions 2021 Match

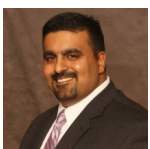
### TEACHING FACULTY



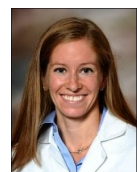
Mark A. Mattos, MD  
Program Director  
Southern Illinois Univ.—1992



Wayne K. Kinning, M.D.  
St. Anthony Hosp.—1982



Nitin G. Malhotra, M.D.  
Albany Medical Ctr.—2010



Alison J. Kinning, M.D.  
Good Samaritan Hosp.—2018

### Over 200 Years Combined Experience

Michigan Vascular Center is a private vascular practice located in Flint, Michigan. Founded in 1963, we are now in our 56th year. Michigan Vascular Center is one of the oldest and longest running private practice groups in the country.

With the accumulated wealth of knowledge and experience by our faculty, it seemed a natural progression to train future vascular specialists.

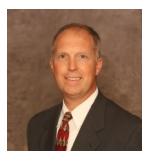
### Unique . . . Comprehensive . . . . Team Oriented

- Extensive cross section of exposure to the entire vascular field
- Encourages intellectual curiosity to publish
- Exposure to the organizational infrastructure required to run a private practice vascular service
- Exposure to the systems and in-office ancillary services required to provide a quality vascular service
  - \* Vascular Registry
  - \* Non-invasive vascular lab
  - \* Hemodialysis Access Center
  - \* VeinSolutions<sup>(TM)</sup>
  - \* Mobility Center (Amputee rehab)
  - \* Research Department
  - \* Open Vascular Skills Training
  - \* Endovascular Simulation Training
    - \* Carotid Stenting
    - \* EVAR, TEVAR
    - \* Iliac, Renal, SFA stenting

### TEACHING FACULTY



Christopher J. Goltz, M.D.  
Assoc. Program Director  
Indiana University—2015



Robert G. Molnar, M.D.  
Vanderbilt Univ.—1998



Ranjith Dodla, M.D.  
Hofstra North Shore—2016

### Part-Time Faculty

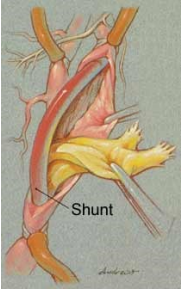


Gregory J. Fortin, M.D.  
Cleveland Clinic—1988



Scott A. Garner, M.D.  
Medical College of VA—1993

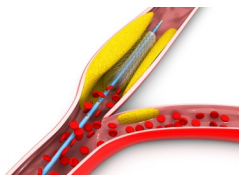
# Program Overview



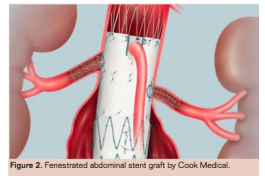
Our 2-year clinical fellowship provides comprehensive open vascular and endovascular training for 2-4 vascular surgery fellows per year from 8 board-certified vascular surgeons who practice at 3 hospital institutions, 5 outpatient surgery centers and a single office-based practice. We utilize the knowledge and skills-based curriculum developed by the Association of Program Directors in Vascular Surgery. Global management of patients with peripheral arterial disease along with vascular medicine principles is incorporated into the daily learning environment.

Vascular fellows are responsible for the full management of the vascular service line at each of the integrated clinical sites. Clinical rotations are for two months at a time at each of three area hospitals. Rotations include an out-patient surgery center, Michigan Vascular Center's office clinic and Research Department, Michigan Vascular Hemodialysis Access Center, and VeinSolutions, a venous out-patient center. Fellows receive training, with formal curriculum, in noninvasive vascular laboratory techniques and study interpretation in an IAC certified noninvasive vascular laboratory to ensure that they are properly prepared to sit for and successfully pass the Registered Physician in Vascular Interpretation Exam (RPVI). The fellows are provided instruction on practice development and office management which includes billing, documentation and vascular registry maintenances. Clinical research opportunities are provided and supported and a yearly research project will be required. Fellows are also provided opportunities to attend local, regional, and national vascular and industry-sponsored meetings.

Clinical and operative expertise is acquired through a multitude of clinical experiences including carotid stenting, fenestrated aortic endovascular graft placement, new biological dialysis access graft placement, and typical various open and endovascular arterial revascularization procedures. Acquisition of knowledge will be through participation in weekly didactic conferences, clinical lectures, clinical patient rounds, journal clubs and independent study. Acquisition of technical skills includes both open vascular skills and endovascular simulation



training as well as the supervised performance of surgical and endovascular cases appropriate to the level of training. Upon completion of the fellowship, our graduating vascular fellows are expected to be fully competent and confident vascular surgeons ready to begin either a private or academic practice in vascular surgery. Furthermore, the graduating fellows are fully prepared to pass the vascular surgery qualifying and certifying examinations.



## Site #1 Rotation—Michigan Vascular Center



MVC Main Campus

Your office will be located at Michigan Vascular Center's main campus on Bristol Road on the outskirts of Flint, Michigan. At the end of each day, no matter the rotation, you will likely return to the office where other faculty members also gather to see patients, read studies, and discuss your day. All faculty members are affiliated with Michigan Vascular Center. Its eleven vascular surgeons work together as a team. All physicians share the responsibility for care of each patient.

The Michigan Vascular Center consists of the principle office complex providing space for clinical encounters, a large non-invasive vascular laboratory, the Research arm, Mobility Center and administrative offices as well as three satellite offices. Michigan Vascular Center has voluntarily achieved AAAHC accreditation, a private practice version similar to Joint Commission accreditation

for hospitals. Personnel at the principal office coordinate scheduling of patient appointments, vascular procedures at all three participating local hospitals and will coordinate the activities of the Vascular Fellowship.

Fellows will rotate through MVC's campuses each year. The focus will be on all aspects of the outpatient experience from initial evaluation of the patient to determining a treatment plan, along with caring for patients in the Vascular Registry. Vascular Access procedures are performed at both the MVC Access Center and the Surgery Center. Michigan Vascular Center rotations include:

- ❖ MVC Main Campus—Includes the Outpatient Office Clinic and the Mobility Center for amputees. During hospital rotations, Fellows spend one afternoon per week in the outpatient clinic.
- ❖ MVC Non-Invasive Vascular Lab—Performs over 18,000 studies annually
- ❖ MVC Research Department—Organized in 2002, it has currently participated in over 61 clinical research trials
- ❖ Michigan Vascular Access Center—first free-standing hemodialysis access center dedicated to the vascular needs of renal patients in mid-Michigan. The access center offers comprehensive vascular services including diagnostic imaging of fistulas & grafts, repairs and/or minimally invasive procedures using catheter-based techniques such as venograms, fistulograms, percutaneous transluminal balloon angioplasty, coil embolization of fistula side branches, graft declots, and hemodialysis catheter insertions and removals.



VeinSolutions™

- ❖ VeinSolutions—A free-standing center dedicated to providing comprehensive & exclusive care for patients with venous problems. VeinSolutions employs the latest technologies in the diagnosis & treatment of varicose & spider veins, venous insufficiency, and vascular birthmarks. Treatments include phlebectomy, sclerotherapy, venous ablation & pharmaco-mechanical Trellis®



Dialysis Access Center  
2 Locations

## Site #2—McLaren—Flint



**McLaren Flint**  
401 S. Ballenger Hwy., Flint  
DIO: Erin Reis

McLaren Flint will function as your employer during your Fellowship Program. Incorporated in 1919, McLaren is a private, non-profit, 404-bed teaching hospital located in Flint, Michigan. McLaren Flint is part of McLaren Health Care whose headquarters are also located in Flint. McLaren is among the top 100 hospitals nationwide. McLaren has a General Surgery Residency and an Orthopedic Residency whose residents rotate on the vascular service. McLaren also has a residency program in Family Practice, Internal Medicine, Radiology and a Hematology/Oncology Fellowship.

During rotations here, Fellows under the guidance of vascular faculty, will gain experience by making rounds, responding to consults, scrubbing on vascular cases, supervising the vascular service, directly overseeing surgical residents, PA students and medical students who spend one week on the vascular service as part of their third year rotations. The Fellows will assist in managing the operative and interventional schedule, run the service with oversight responsibility of PGY4, PGY2 or PGY1 surgical residents, and manage the census of the service.

## Site #3—Genesys Regional Medical Center



**Genesys Regional Medical Center**  
One Genesys Parkway, Grand Blanc  
DIO: Charles Husson, D.O.

Founded in 1997, Genesys Regional Medical Center is a private, non-profit 410 bed hospital which includes a Level 2 Trauma Center. Genesys arose after the consolidation of four area hospitals. It is located in Grand Blanc, MI, a suburb of Flint and has a combined MD and DO staff. Genesys is a member of Ascension Health, a faith-based health organization created by a merger of The Sisters of St. Joseph and the Daughters of Charity.

In addition to the Vascular Fellowship, Genesys has one of the largest primary care residencies in the state. During rotations here, Fellows will be exposed to both allopathic and osteopathic treatment philosophies. They will gain experience making rounds with vascular faculty, scrubbing on vascular cases, supervising the vascular surgery service, directly overseeing medical residents, PA students and medical students. Along with vascular faculty, they will manage the operative and interventional schedule, run the service and manage the census of the service.

## Site #4—Hurley Medical Center



**Hurley Medical Center**  
One Hurley Plaza, Flint  
DIO: Jim Buterakos, M.S.A.

Founded in 1908, Hurley Medical Center is a public, non-profit, 443-bed teaching hospital located in Flint, Michigan. Hurley has a Level 1 Trauma Center. Hurley is Flint's inner city hospital where Fellows will develop competence in communicating effectively with patients and families of different socioeconomic and cultural backgrounds. Hurley has a number of medical specialty residencies and fellowships. Vascular Fellows will interact with residents from training programs in pediatrics, internal medicine, emergency medicine, obstetrics & gynecology, combined medicine/pediatrics, diagnostic radiology and orthopedic surgery and a Trauma Fellows. A hospital-employed NP is assigned to our service. There are currently no general surgery residents at Hurley.

Fellows will gain experience making rounds with vascular faculty, responding to consults and scrubbing on vascular cases. Fellows will supervise the vascular service and the vascular nurse practitioner. Vascular Fellows will be exposed to a variety of vascular trauma and will interact with the Trauma Fellows. They will help manage the operative and interventional schedule, and with the assistance of vascular faculty, will run the service and manage the census of the service.

## Mentice VIST®-C ENDOVASCULAR SIMULATOR



McLaren Flint hosts a state-of-the-art endovascular simulator where Fellows undergo two years of comprehensive endovascular skills training and assessment.



"VIST Supports a comprehensive range of angiography & interventional training procedures underpinned, by a full physics based simulation providing unparalleled simulation realism."



**VIST® Training Modules**  
"A structured & comprehensive suite of modules with clearly defined learning objectives giving trainees exposure to a wide range of patient scenarios and anatomical variations."

### Conference Schedule

#### Weekly

- Angio Conference (all faculty & fellows plan the upcoming week's cases)

#### Twice Monthly

- Morbidity & Mortality
- VSITE Exam Review

#### Monthly

- Vascular Medicine, Science & Therapeutics
- Case Presentations
- RPVI Vascular Lab Conference
- Journal Club
- Research Initiatives
- Endovascular Simulation Training
- Open Vascular Skills Seminar

#### Quarterly

- Mock Orals



## Sponsoring Institution



College of Human Medicine  
MICHIGAN STATE UNIVERSITY

Michigan State University  
College of Human Medicine  
A110 East Fee Hall  
East Lansing, MI 48824

## Current Vascular Fellows



Brian Cronin, D.O.  
2019—2021



Visharad Patel, D.O.  
2019—2021



Muhammad Khan, M.D.  
2020—2022

## Program Coordinator

Lisa A. Reinhart  
Michigan Vascular Center  
5020 W. Bristol Road  
Flint, MI 48507

(810) 600-2024



LReinhart@MichiganVascular.com

www.  
MichiganVascular  
.com

# JOIN US!

## WELCOME to MICHIGAN

In Michigan you will find yourself surrounded by 3,200 miles of shoreline and four freshwater seas-The Great Lakes. Michigan boasts over 200 public beaches, millions of acres of unspoiled wilderness, more than 36,000 miles of rivers and streams and 97 state parks. Sleeping Bear Dunes



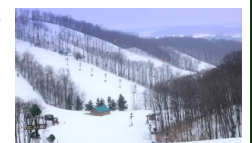
National Lakeshore was voted by *Good Morning America* viewers as the most beautiful place in America. The Great Lakes State has more lighthouses than any other state in the nation with 115 lights along the shores of Lakes Huron, Michigan, Superior and Erie.



Michigan is said to have nearly 200 named rapids and waterfalls in the upper peninsula and Tahquamenon Falls

in the lower peninsula. Michigan is also home to 825 public golf courses, more than any other state. In winter the landscape becomes a wonderland for avid skiers, snowboarders and snowmobilers with countless miles of slopes and trails. Michigan offers hunting of both big and small game. Bird hunting abounds from upland birds to waterfowl. Four great lakes, 11,000 inland lakes and hundreds of rivers and streams make Michigan a freshwater fisherman's paradise.

You will find over 1000 campgrounds and ample opportunities for canoeing, boating, biking, hiking, and 3100 miles of ORV trails for off-road vehicles. Michigan is an adventure waiting to happen!



## WELCOME to FLINT

Flint is located along the Flint River, 66 miles northwest of Detroit. According to the 2010 census Flint has a population of 102,434, making it the seventh largest city in Michigan. Flint is the county seat of Genesee County in the Flint/Tri-Cities region of Michigan. Genesee County largely comprises the entirety of Flint's metropolitan area, the fourth largest metropolitan area in Michigan with a population of 425,790 in 2010.



### Bishop Intl. Airport



Flint is serviced by Bishop International Airport located less than 2 miles from Michigan Vascular Center.

### Flint Institute of Arts



Founded in 1928, the FIA's 150,000 sq. ft. facility is a unique space with more than 25,000 sq. ft. of gallery space. Visitor amenities include a café and gift shop, an Art School, a library, a theater ideal for presentations, films, and lectures, a video gallery, and a large "great hall," seating.

### Whiting Auditorium



The Whiting is a 2,043-seat auditorium located in the Flint Cultural Center. The Whiting presents Broadway, music, comedy, theatre, dance and much more throughout its season.

### Sloan Museum



Regional history, historic automobiles and hands-on science are major features of the Sloan Museum. Video programs, hundreds of artifacts and photographs portray the area's tumultuous 20th century history in the Flint and the American Dream exhibit. Traveling exhibits fill the Temporary Gallery with a variety of educational and entertaining displays year-round. The Buick Automotive Gallery presents major automotive exhibits featuring vehicles from the Sloan fleet of over 80 Flint-built automobiles.

### Planetarium



The Robert T. Longway Planetarium was dedicated on June 26, 1958.

Featuring 282 seats under an impressive 60-foot dome, the Longway Planetarium is Michigan's largest planetarium.