



Midwestern Vascular Surgical Society

2019 Medical Student Education & Skills Program- *Introducing Vascular Surgery as a Career Choice*

Program Goals:

The primary goal of this program is to introduce the specialty of Vascular Surgery as a career choice to medical students from the Midwest region. The program provides a unique opportunity for medical students at all levels to interact with members and leaders of the Midwestern Vascular Surgical Society (MVSS). Vascular Surgery faculty and trainees participating in the program have a particular interest in medical student education and mentorship.

Program Content:

The program will be comprised of didactic lectures given by members of the MVSS, followed by a hands-on skills session. Skills training techniques to be taught will include basic knot-tying, instrument handling, needle accuracy/placement, and vascular repair & anastomosis. The program will also include expert vascular surgery faculty demonstration of simulated open surgical and endovascular procedures such as endovascular aortic aneurysm repair, carotid endarterectomy and iliac artery angioplasty and stenting.

Didactic Program Objectives:

The primary objective of the didactic portion of the program is to familiarize medical students with the field of Vascular Surgery, including diseases treated, patients encountered, and types of interventions performed. The program is intended to clarify how the field differs from other surgical and interventional specialties, highlighting its unique aspects. Also, the program is intended to familiarize students with the training pathways and career options available.

Skills Session Objectives:

The primary objective of the skills session is to introduce vascular surgery simulation and skills training to medical students as a vehicle to enhance their educational experience during medical school and help direct them towards considering of a career in Vascular Surgery. The program provides basic and intermediate skills training and introduces the concept of a vascular surgery curriculum to help advance surgical skills during medical school. The program will allow students an opportunity to learn how to perform basic vascular procedures in a low stress environment.

Program Day and Time:

Friday September 13th, 2019

Introduction to Vascular Surgery – 2:30 p.m. – 5:15 p.m.

Program Location:

Westin Chicago River North

Program Participants:

Medical Students from schools in the Midwest region.

Maximum of 50 Registrants.

Pre-Registration required.

Medical Student Program Committee:
Jonathan Bath, Senthil (Jay) Jayarajan & Jihad Abbas

PROGRAM AGENDA

Moderator Jonathan Bath, Program Director, University of Missouri, Columbia, MO 65212

2:30-2:35 pm

MVSS Leadership Welcome

Mark Mattos, MD, *MVSS Past-President, Michigan Vascular Center, Flint MI*

2:35-2:40 pm

Vascular Surgery Training Paradigms

Senthil Jayarajan MD, *Minneapolis Heart Institute at Abbott Northwestern Hospital, Minneapolis, MN*

2:40-2:45 pm

Maximizing Your Vascular Surgery Rotation Experience

Michael Malinowski MD, *Medical College of Wisconsin, Milwaukee WI*

2:45-2:50 pm

Seeking out Vascular Surgery Research Opportunities as a Medical Student

Matthew R. Smeds, MD, *Saint Louis University, St. Louis, MO*

2:50-2:55 pm

How to Start and Maintain a Vascular Surgery Interest Group (VSIG)

Ashley Gutwein MD, *PGY3 0+5 resident, Indiana University, Indianapolis IN*

2:55-3:00 pm

The Role of Mentorship in Career Development

Bernadette Aulivola MD, *Loyola University, Chicago, IL*

3:00-3:05 pm

Establishing an Acceptable Work-Life Balance as a Vascular Surgeon

John Rectenwald MD, *University of Wisconsin, Madison WI*

3:05-3:15 pm

Break

3:15 pm-5:15 pm

Hands-on Vascular Surgery Surgical Skills Training and Simulation

Faculty (11): Abbas, Aulivola, Bath, DiMusto, Gutwein, Jayarajan, Malinowski, Mattos, Rectenwald, Smeds, Shelton

(6-8 students per station, 20 minutes per station)

1. Knot Tying (instrument tie, 2 hand knots- 2-0 silk)
2. Forceps Handling and Needle Driving (penrose drain)
3. Needle Accuracy Placement (bulls-eye)
4. Vascular Repair/Anastomosis (closure of longitudinal graftotomy with 5-0 prolene, Castro Viejo)
5. Open Simulation (Carotid/AAA)
6. Endovascular Simulation (iliac angioplasty)

Additional Program Benefits:

- Opportunity to attend Friday and Saturday scientific session**
- Program participation certificate**
- Introduction of the group at the Friday morning scientific session**

How to apply:

<http://www.midwestvascular.org/annual-meeting/mock-orals-medical-student-programs/>

Questions that will be answered by participating in this program

1. What does the specialty of vascular surgery encompass?
2. What type of procedures does as vascular surgeon perform?
3. What are the training pathways in vascular surgery?
4. When should I begin the process for applying for a vascular surgery residency or vascular surgery fellowship position?
5. How do I get started in beginning my search for a vascular surgery residency or vascular surgery fellowship training program?
6. Is having a vascular surgery faculty mentor important?
7. How do I obtain a vascular surgery mentor at my institution?
8. Can the MWVSS help me obtain either a local (internal) or regional (external) mentor?
9. How do I become involved with vascular research at my institution?
10. What medical student or resident specific research meetings are available to me?
11. How do I become involved with my local, state, regional and national vascular surgery societies?
12. Are there scholarship opportunities available to me to help me attend meetings?
13. How do I get started with vascular surgery surgical skills training?
14. How do I practice vascular surgery surgical skills training during medical school?
15. Who do I talk to at my medical school to receive access to vascular surgery skills training?
16. Why is it important to get started in vascular surgery skills training early in my career?
17. How do I start a surgical interest group for vascular surgery?