



3rd Annual
UMass Vascular Skills and Simulation Course
APRIL 7 – 9, 2016

UMass Memorial Medical Center
University Campus
Albert Sherman Center
Albert Sherman Auditorium
55 Lake Avenue North
Worcester, MA



Sponsored by:

UMass Division of Vascular and Endovascular Surgery
University of Massachusetts Medical School interprofessional
Center for Experiential Learning and Simulation (iCELS)

COURSE INFORMATION

COURSE DESCRIPTION: Simulation and surgical skills training is playing an increasingly important role in training future vascular and endovascular surgeons. The UMass Vascular Skills and Simulation Course (UVASC) will be held April 7 - April 9, 2016. Sponsored by the University of Massachusetts Medical School Division of Vascular and Endovascular Surgery, in conjunction with the interprofessional Center for Experiential Learning and Simulation (iCELS), this is an intensive 2 day experience for Vascular Surgery Integrated Residents and Vascular Surgery Fellows to gain open vascular surgical and endovascular skills in a simulated setting.

The goal of the course is to improve trainees' skill and understanding in performing a comprehensive array of endovascular and open vascular procedures for aortic, carotid, and lower extremity aneurismal and occlusive disease. In addition, trainees will learn how to utilize current simulation platforms and skill trainers for the ongoing improvement of their technical skills. UVASC emphasizes hands-on instruction in a high-fidelity simulated learning environment. The curriculum includes endovascular simulators, open simulation models, cadaver dissections, and some didactic presentations.

The UMass Vascular Skills and Simulation Course will be held at the 24,000-square-foot interprofessional Center for Experiential Learning and Simulation (iCELS) located on the campus of the University of Massachusetts Medical School in Worcester, MA.

Specific Objectives: At the conclusion of the course, the participant will be able to:

1. Understand and describe the anatomical considerations and approach to vessel exposure and perform the following vascular exposures in a cadaver model:
 - a. Aortic Arch and Great Vessels
 - b. Cervical Vessels and Thoracic Outlet
 - c. Thoracoabdominal and Paravisceral Aorta
 - d. Transabdominal approach to the Infrarenal Aorta
 - e. Retroperitoneal approach to the Infrarenal Aorta, Iliac Arteries, and Lumbosacral Spine
 - f. Popliteal, Tibial, and Pedal Vessel for lower extremity revascularization
2. Understand, describe, and execute appropriate technique in each of the following realms of open vascular surgery
 - a. Basic Vascular Suture Skills
 - b. Open AAA Repair
 - c. Carotid Endarterectomy
 - d. Lower Extremity Bypass
 - e. Upper Extremity Hemodialysis Access

3. Understand, describe, and execute appropriate technique in each of the following realms of endovascular therapy
 - a. EVAR
 - b. TEVAR
 - c. Renal Artery Angioplasty and Stenting
 - d. Carotid Artery Angioplasty Stenting
 - e. Lower extremity Peripheral Vascular Intervention
 - i. Iliac
 - ii. Infrainguinal

Target Audience: Vascular Surgery Integrated Residents and Vascular Surgery Fellows.

Deadline: Registration will be closed when space is full or on March 7, 2016.

Weather Emergency Policy: While the probability of delay or cancellation of the conference is highly unlikely, we recognize that we are subject to the vagaries of weather. If a weather emergency does occur, and you are in doubt as to whether or not the course will be held, call 508-856-1671 after 6:00 pm on April 6, 2016.

Additional Info: The University of Massachusetts Division of Vascular and Endovascular Surgery and iCELS reserve the right to cancel the program at any time due to circumstances not under its control.

The technology-infused interprofessional Center for Experiential Learning and Simulation (iCELS) at the University of Massachusetts Medical School provides state of the art simulation to meet the needs of learners across the spectrum of clinical education. With over 24,000 square feet of space, iCELS is a fully multidisciplinary center, housing a comprehensive array of simulation programs, services, resources and technologies. Designed for flexibility and adaptability, the space can be specifically configured to create the customized educational milieu that replicates the look and feel of an authentic practice environment to best meet the needs of the UMass Vascular Skills and Simulation Course.

The UMass Vascular Skills and Simulation course will be held in iCELS training space which includes two technical skills labs (for "wet" lab specimens and dry lab computer-based technology), four team-based scenario rooms and several multifunctional task-training/debriefing/conference rooms as well as dedicated space in the UMMS Anatomical Lab. iCELS learners have access to comprehensive audiovisual software integrated in the Center to record live events for feedback and training purposes.

For more information about the Center and to view an interactive floor plan, go to www.umassmed.edu/iCELS.

THURSDAY, APRIL 7, 2016

7-9 pm Welcome Reception (Beechwood Hotel)

FRIDAY, APRIL 8, 2016

6:30-7:30 am Breakfast (Beechwood Hotel)

7:45-7:50 am Introductory Remarks
Danielle Doucet, MD
Director, UVASC

7:50-8:00 am Welcome Address

SESSION I: VASCULAR EXPOSURES ON CADAVERS

8:00- 1:00 pm Cadaver Lab

1:00-2:00 pm Lunch

SESSION II: OPEN VASCULAR SIMULATION

2:00-3:45 pm Simulation Stations:
◆ Open AAA Repair
◆ Carotid Endarterectomy
◆ Femoropopliteal Bypass
◆ Upper Extremity Hemodialysis Access

3:45-4:15 pm Break

4:15-5:30 pm Simulation Stations:
◆ Open AAA Repair
◆ Carotid Endarterectomy
◆ Femoropopliteal Bypass
◆ Upper Extremity Hemodialysis Access

7:00-10:00 pm Trainee Dinner / Faculty Dinner

SATURDAY, APRIL 9, 2016

6:30-7:30 am Breakfast (Beechwood Hotel)

SESSION III: ENDOVASCULAR SIMULATION

8:00-11:00 am Simulations Stations:
◆ Endovascular AAA Repair (EVAR)
◆ Introduction to FEVAR
◆ EVAR of Ruptured AAA
◆ Thoracic Endovascular Aneurysm Repair (TEVAR)
◆ Deployment of Aortic Endografts
◆ Iliac/ Infringuinal Artery Angioplasty and Stenting
◆ Carotid Artery Angioplasty and Stenting (CAS)
◆ Renal Artery Angioplasty and Stenting
◆ Platform for LE intervention: "Up and Over" the Aortic Bifurcation
◆ Self-expanding Stent Placement
◆ Intravascular Ultrasound (IVUS)

11:00-12:00 pm Lunch

12:00-2:00 pm Simulations Stations:
◆ Endovascular AAA Repair (EVAR)
◆ Introduction to FEVAR
◆ EVAR of Ruptured AAA
◆ Thoracic Endovascular Aneurysm Repair (TEVAR)
◆ Deployment of Aortic Endografts
◆ Iliac/ Infringuinal Artery Angioplasty and Stenting
◆ Carotid Artery Angioplasty and Stenting (CAS)
◆ Renal Artery Angioplasty and Stenting
◆ Platform for LE intervention: "Up and Over" the Aortic Bifurcation
◆ Self-expanding Stent Placement
◆ Intravascular Ultrasound (IVUS)

2:00-3:00 pm Closing remarks, course evaluation and adjourn

PROGRAM FACULTY

COURSE DIRECTORS:

Danielle Doucet, MD

Assistant Professor of Surgery
Division of Vascular & Endovascular Surgery
University of Massachusetts Medical School

William P. Robinson III, MD

Co-Director

GUEST FACULTY:

To be determined

UMASS FACULTY:

Francesco A. Aiello, MD

Assistant Professor of Surgery
Division of Vascular and Endovascular Surgery

Elias Arous, MD

Professor of Surgery
Division of Vascular & Endovascular Surgery

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Robert Steppacher, MD

Assistant Professor of Surgery
Division of Vascular & Endovascular Surgery

Jennifer D. Walker, MD

Professor and Chief, Division of Cardiac Surgery
Surgical Director, Heart & Vascular Center of
Excellence

REGISTRATION FOR THIS EVENT IS
ONLY AVAILABLE ONLINE.

VISIT WWW.UMASSMED.EDU/CME/UPCOMING-EVENTS/UVASC
TO GET STARTED.

(Online registrations are viewed as complete; you will receive a
confirmation via email to the address provided.)

Register Instantly Using
your Smart Phone:



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