

M Northwestern Medicine[®] Feinberg School of Medicine

Northwestern Medicine[®] is the shared vision that joins Northwestern Memorial HealthCare and Northwestern University Feinberg School of Medicine in a collaborative effort to transform medicine through quality healthcare, academic excellence and scientific discovery.

Northwestern University
Division of Vascular Surgery
676 N. Saint Clair Street, Arkes 650
Chicago, IL 60611



DECEMBER 12-14, 2019

InterContinental Chicago
Chicago, Illinois

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44th Annual Northwestern Vascular Symposium

DECEMBER 12-14, 2019

InterContinental Chicago
Chicago, Illinois

SPONSORED BY:

M Northwestern Medicine[®]
Feinberg School of Medicine

Northwestern University
Feinberg School of Medicine
Division of Vascular Surgery and
The Office of Continuing Medical Education

PROGRAM INFORMATION

TARGET AUDIENCE

Healthcare professionals who detect, diagnose, manage and treat vascular diseases, including but not limited to aneurysms, stroke prevention, peripheral vascular disease, venous disease and blood flow issues.

EDUCATIONAL OBJECTIVES:

At the conclusion of the Northwestern Vascular Symposium, participants will be able to:

1. Discuss new information about treatment of lower extremity venous disease
2. Evaluate limitations of EVAR
3. Demonstrate treatment options for visceral and renal artery aneurysm and occlusive disease
4. Evaluate new developments in management of complex venous disease
5. Relay information about latest development in treatment of thoracoabdominal aortic aneurysm disease
6. List current treatment recommendations for extra-cranial carotid and supra-aortic trunk arterial occlusive disease
7. Discuss the growing application of TEVAR for thoracic aortic pathology
8. Recall information on the latest in treatment of upper extremity vascular disease
9. Describe expected outcomes of lower extremity revascularization for arterial occlusive disease following open surgical and endovascular techniques
10. Discuss new trends in dialysis access surgery
11. Describe the role and importance of vascular surgery at hospitals
12. Evaluate the best practices for percutaneous arterial access

CONFERENCE LOCATION

The program will be held at the InterContinental Chicago, 505 N. Michigan Avenue, Chicago, Illinois. Please contact the hotel directly at (312) 944-4100 for directions and parking information.

HOTEL ACCOMMODATIONS

For hotel reservations, please contact the InterContinental Chicago at (800) 628-2112 and identify yourself as a participant of the 44th Annual Northwestern Vascular Symposium. A block of rooms has been reserved at the InterContinental Chicago for a special rate of \$169 (plus tax) for single or double occupancy in the Grand Tower. Participants are responsible for making their own hotel reservations. Guests may make their hotel reservations either by using the Booking link or contacting the Reservation center.

Booking Link: <https://bit.ly/2HVRgrT>

- Link automatically populates the peak contracted. Guests can click "change search" to modify their arrival/departure date.
- If guests do not need to modify their dates, they can click directly on 'select room' and then 'select rate' which will be the contracted rate

Reservations Center: 1-800-628-2112 (312-944-4100 for International Calls). Guests can identify themselves as participants of Group Block: **Annual Northwestern Vascular Symposium** or by using the Group Code: **X99**. Reservations Center is open 24/7.

Room reservations made after November 11, 2019 are subject to availability at regular hotel rates. Chicago is a popular vacation and convention destination. We recommend that you make your reservations as soon as possible in order to guarantee accommodations.

ACCREDITATION STATEMENT

The Northwestern University Feinberg School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION

The Northwestern University Feinberg School of Medicine designates this live activity for a maximum of 21 *AMA PRA Category 1 Credits*.™ Physicians should claim only credit commensurate with the extent of their participation in the activity.

REFUNDS

Cancellations must be made in writing to the Office of Continuing Medical Education. The paid registration fee, minus a \$50 administrative charge, will be refunded. No refunds will be granted after December 2, 2019.

SPECIAL NEEDS

The Feinberg School of Medicine fully intends to comply with the legal requirements of the American with Disabilities Act. If any participant of this conference is in need of accommodation, please indicate those needs on the registration form or submit written requests to the Office of CME at least one month prior to the conference date.

FACULTY DISCLOSURES

Speakers are required to disclose any significant relationships with commercial companies prior to the symposium. The course syllabus will identify any significant relationships.

ADDITIONAL INFORMATION

Contact the Office of Continuing Medical Education, Northwestern University Feinberg School of Medicine, phone: 312-503-8533, fax: 312-503-4531, e-mail: cme@northwestern.edu or visit either the CME website at www.cme.northwestern.edu or the Vascular Symposium website at <https://www.surgery.northwestern.edu/divisions/vascular/education/vascular-symposium.html>. Please note: Credit card payments cannot be accepted for phone, postal mail or for on-site registrations. If you plan to register on-site, please bring a check made payable to "Northwestern University".

FACULTY

PROGRAM DIRECTOR

Mark K. Eskandari, MD

SPEAKERS

Edward J. Arous, MD, MPH
University of Massachusetts
Medical School

Enrico Ascher, MD
New York University
School of Medicine
NYU Langone Hospital

Bernadette Aulivola, MD
Stritch School of Medicine
Loyola University

Neal R. Barshes, MD, MPH
Baylor College of Medicine

Adam W. Beck, MD
University of Alabama at Birmingham

Benjamin S. Brooke, MD, PhD
University of Utah School of Medicine

Kellie R. Brown, MD
Medical College of Wisconsin

Daniel G. Clair, MD
School of Medicine
University of South Carolina

Anthony J. Comerota, MD
Inova Heart and Vascular Institute

Paul DiMuzio, MD, MBA
Thomas Jefferson University

Matthew J. Eagleton, MD
Harvard Medical School

Thomas L. Forbes, MD
University of Toronto

Manuel Garcia Toca, MD
Stanford University

Michael R. Go, MD
Wexner Medical Center
The Ohio State University

Mounir J. Haurani, MD
Wexner Medical Center
The Ohio State University

Peter K. Henke, MD
University of Michigan

Karen J. Ho, MD
Feinberg School of Medicine
Northwestern University

Andrew W. Hoel, MD
Feinberg School of Medicine
Northwestern University

Eugene M. Langan, III, MD
University of South Carolina
School of Medicine - Greenville

Peter F. Lawrence, MD
David Geffen School of Medicine
at UCLA

Byung-Boong (BB) Lee, MD, PhD
George Washington University

Cheong Jun Lee, MD
University of Chicago
Pritzker School of Medicine

Joseph V. Lombardi, MD
Cooper Medical School
of Rowan University

Sean P. Lyden, MD
The Cleveland Clinic

Robyn A. Macsata, MD
George Washington University

Thomas M. Maldonado, MD
NYU Langone Medical Center

Natalie A. Marks, MD
NYU School of Medicine

Walter J. McCarthy, MD
Rush Medical College
Rush University Medical Center

Ross Milner, MD
University of Chicago Medicine

J. Gregory Modrall, MD
University of Texas Southwestern
Medical Center

Samuel R. Money, MD, MBA
Mayo Clinic

Gustavo S. Oderich, MD
Mayo Clinic

Oscar L. Ojeda, MD
Catholic University of Ecuador

Marc C. Passman, MD
University of Alabama
at Birmingham

Eric K. Peden, MD
Houston Methodist DeBakey
Heart & Vascular Center

Bruce A. Perler, MD, MBA
The Johns Hopkins Hospital

Elina Quiroga, MD
University of Washington

Elizabeth V. Ratchford, MD
Johns Hopkins University
School of Medicine

Scott Resnick, MD
Feinberg School of Medicine
Northwestern University

Heron E. Rodriguez, MD
Feinberg School of Medicine
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Payam Salehi, MD, PhD
Tufts University Medical Center

Russell H. Samson, MD
Florida State University
Medical School

Luis A. Sanchez, MD
Washington University School of
Medicine in St. Louis

Rajabrata Sarkar, MD, PhD
University of Maryland Medical
Center

Salvatore T. Scali, MD
University of Florida
College of Medicine

Jeffrey J. Siracuse, MD
Boston University
School of Medicine

Oren K. Steinmetz, MD
McGill University
Montreal, Quebec, Canada

Timothy M. Sullivan, MD
Minneapolis Heart Institute

Tadaki M. Tomita, MD
Feinberg School of Medicine
Northwestern University

Gilbert R. Upchurch, Jr., MD
University of Florida

Ashley K. Vavra, MD
Feinberg School of Medicine
Northwestern University

Frank J. Veith, MD
The Cleveland Clinic
Lerner College of Medicine
New York University Medical Center

Robert Vogelzang, MD
Feinberg School of Medicine
Northwestern University

PROGRAM DESCRIPTION

This two-and-a-half-day course provides Category 1 continuing medical education (CME) credits, American Board of Surgery Maintenance of Certification (MOC) credits and a hardcover textbook authored by the participating faculty. We have brought together 50 national experts in their respective fields of vascular care who have contributed an up-to-date written chapter that accompanies their corresponding 15-minute presentation. Speakers are selected based on recent peer-reviewed publications, national societal presentations, and/or recognized leaders in their discipline. The program provides a comprehensive analysis of the current management of vascular disease as it relates to treatment of extracranial cerebrovascular and supra-aortic trunk disease, new approaches to lower extremity arterial and venous problems, recent cutting-edge developments in open and endovascular approaches to treat aortic and visceral arterial disease, as well as novel techniques for hemodialysis access, complex venous problems, upper extremity disorders. Concluding each session, a 30-minute panel discussion will occur allowing the audience ample time to ask more in-depth questions of the experts.

A long-standing tradition of our program has been the inclusion of several short case presentations given by the Northwestern faculty during the continental breakfast on Friday and Saturday mornings. We recognize the educational value of this interactive experience and invite the audience to participate along with our panelists.

AGENDA

THURSDAY, DECEMBER 12, 2019

- 7:00 a.m. **Registration and Continental Breakfast**
- 7:30 a.m. **Welcome and Introduction**
Mark K. Eskandari, MD
- 7:35 a.m. **SVS History Working Group: Vascular Surgery in Chicago**
Walter J. McCarthy III, MD

■ Abdominal Aortic Diseases

Moderator: Mark K. Eskandari, MD

- 8:00 a.m. **Screening for AAAs Among Patients with Intracranial Aneurysms**
Gilbert R. Upchurch Jr., MD
- 8:15 a.m. **Data on Size Indications for AAA Repair: Men Versus Women**
Peter K. Henke, MD
- 8:30 a.m. **EVAR Under Local/Sedation: Advantages and Tips**
Tadaki M. Tomita, MD
- 8:45 a.m. **Re-Interventions After Zenith Fenestrated Aortic Stent Graft Repair: Unique Considerations**
Luis A. Sanchez, MD
- 9:00 a.m. **Removing Aortic Endografts: Lessons Learned and Tips for Success**
Sean P. Lyden, MD
- 9:15 a.m. **Panel Discussion**
- 9:45 a.m. **Refreshment Break and Exhibits**

■ Thoracic/Thoracoabdominal Diseases

Moderator: Ashley K. Vavra, MD

- 10:00 a.m. **Insights from The Pericles Registry**
Salvatore T. Scali, MD
- 10:15 a.m. **Endovascular Techniques for Thoracic Aortic Dissections Beyond Just Stent Grafting the Primary Entry Tear**
Joseph V. Lombardi, MD
- 10:30 a.m. **Strategies To Minimize Spinal Cord Injury with Endovascular TAAA Repair**
Gustavo S. Oderich, MD
- 10:45 a.m. **Techniques for Managing Small Vessel Access During EVAR/TEVAR**
Andrew W. Hoel, MD
- 11:00 a.m. **Endovascular Options for Treating Chronic Thoracic Aortic Dissections**
Adam W. Beck, MD
- 11:15 a.m. **Panel Discussion**
- 11:45 a.m. **Refreshment Break and Exhibits**
- 12:00 p.m. **Luncheon**

■ Complex Arterial and Venous Diseases

Moderator: Tadaki M. Tomita, MD

- 1:30 p.m. **Systematic Review of Venous Aneurysms by Anatomic Location**
Thomas M. Maldonado, MD
- 1:45 p.m. **Understanding How To Diagnose and Treat Pelvic Venous Insufficiency**
Michael Go, MD
- 2:00 p.m. **Limb-Sparing Surgery with Vascular Reconstruction for Malignant Lower Extremity Soft Tissue Sarcoma**
Oren K. Steinmetz, MD
- 2:15 p.m. **Managing Vascular Emergencies Due to IV Drug Abuse**
Elina Quiroga, MD
- 2:30 p.m. **Contemporary Management of Extremity Arteriovenous Malformations**
Robert Vogelzang, MD
- 2:45 p.m. **Panel Discussion**
- 3:15 p.m. **Refreshment Break and Exhibits**

■ Visceral And Renal Artery Disease

Moderator: Heron E. Rodriguez, MD

- 3:30 p.m. **Open Retrograde SMA Stenting: How to Make It Go Smoothly**
Ross Milner, MD
- 3:45 p.m. **Late Visceral Artery Patency after Fenestrated Aortic Stent Grafting**
Matthew J. Eagleton, MD
- 4:00 p.m. **Renal Artery Fibromuscular Dysplasia: When and How to Intervene**
Scott Resnick, MD
- 4:15 p.m. **Is Stenting for Atherosclerotic Renal Artery Stenosis Ever Indicated?**
J. Gregory Modrall, MD
- 4:30 p.m. **Splenic Artery Embolization Techniques**
Daniel G. Clair, MD
- 4:45 p.m. **Panel Discussion**
- 5:15 p.m. **Adjourn**

FRIDAY, DECEMBER 13, 2019

Moderator: Mark K. Eskandari, MD

- 7:00 a.m. **Case Presentations and Continental Breakfast**

■ Vascular Access

Moderator: Karen J. Ho, MD

- 8:00 a.m. **Percutaneous Arteriovenous Fistula Creation**
Eric K. Peden, MD
- 8:15 a.m. **Impact of Implantable Cardiac Devices on Arteriovenous Fistula and Graft Patency**
Manuel Garcia-Toca, MD
- 8:30 a.m. **Clinical Effectiveness of Open Thrombectomy for Occluded Arteriovenous Fistulas Versus Grafts**
Benjamin S. Brooke, MD, PhD
- 8:45 a.m. **One-Stage Versus Two-Stage Basilic Vein Transposition**
Ashley K. Vavra, MD
- 9:00 a.m. **Right Atrial Bypass for Permanent AV Access in Patients with Central Vein Occlusion**
Robyn A. Macsata, MD
- 9:15 a.m. **Panel Discussion**
- 9:45 a.m. **Refreshment Break and Exhibits**

■ Current Issues In Vascular Surgery

Moderator: Mark K. Eskandari, MD

- 10:00 a.m. **Objectives of the SVS Practice Guidelines: How To Best Utilize Them**
Peter F. Lawrence, MD
 - 10:15 a.m. **How to Address the Impending Shortage of Vascular Surgeons in the United States**
Edward J. Arous, MD, MPH
 - 10:30 a.m. **AI and Machine Learning for Vascular Surgery**
Eugene M. Langan III, MD
 - 10:45 a.m. **How to Avoid a Lawsuit: "Never Events" in Vascular Surgery**
Russell Samson, MD
 - 11:00 a.m. **Industry Partnerships in Vascular Surgery: How and Why?**
Bruce A. Perler, MD, MBA
 - 11:15 a.m. **Key Steps to Maintain Our Identity as Vascular Surgeons**
Frank J. Veith, MD
 - 11:30 a.m. **Panel Discussion**
 - 11:45 a.m. **Refreshment Break and Exhibits**
- Moderator:* Andrew W. Hoel, MD
- 12:00 p.m. **Case Presentations and Luncheon**

■ Lower Extremity Venous Disease

Moderator: Ashley K. Vavra, MD

- 1:30 p.m. **Stent Patency Among Patients with Advanced Chronic Venous Disease and Non-Thrombotic Iliac Vein Lesions**
Enrico Ascher, MD
- 1:45 p.m. **Are Tibial Vein Clots Important?**
Anthony J. Comerota, MD
- 2:00 p.m. **What is the Role of Follow-Up Venous Duplex Ultrasound After an Acute Lower Extremity DVT?**
Mounir J. Haurani, MD
- 2:15 p.m. **Treating Saphenous Vein Reflux: What are the Options?**
Marc C. Passman, MD
- 2:30 p.m. **Is Compression Needed After Ablation?**
Kellie R. Brown, MD
- 2:45 p.m. **Panel Discussion**
- 3:15 p.m. **Refreshment Break and Exhibits**

■ Lower Extremity Arterial Disease

Moderator: Tadaki M. Tomita, MD

- 3:30 p.m. **Optimal Medical Management of Peripheral Artery Disease**
Elizabeth V. Ratchford, MD
- 3:45 p.m. **Benefits of Routine Ultrasound-Guided Arterial Access for Peripheral Interventions**
Cheong Jun Lee, MD
- 4:00 p.m. **Retrograde Popliteal Access for Occlusive Disease: Technical Tips and Outcomes**
Jeffrey J. Siracuse, MD
- 4:15 p.m. **Negative Pressure Therapy for Prevention of Incisional Complication**
Paul DiMuzio, MD
- 4:30 p.m. **Does Distal Vein Patch Use for Infragenicular Prosthetic Bypass Make a Difference?**
Neal R. Barshes, MD, MPH
- 4:45 p.m. **Status of Drug-Eluting Balloon Angioplasty For SFA Lesions: Are There Unintended Long-Term Risks of Mortality?**
Thomas L. Forbes, MD
- 5:00 p.m. **Panel Discussion**
- 5:15 p.m. **Adjourn**

SATURDAY, DECEMBER 14, 2019

Moderator: Heron E. Rodriguez, MD

- 7:00 a.m. **Case Presentations and Continental Breakfast**

■ Upper Extremity Diseases

Moderator: Andrew W. Hoel, MD

- 8:00 a.m. **Surgical Management of Venous Thoracic Outlet Syndrome**
Rajabrata Sarkar, MD, PhD
- 8:15 a.m. **Recommendations for Managing Takayasu's Lesions**
Byung-Boong Lee, MD
- 8:30 a.m. **Techniques for Successful Axillary Conduits When Using Mechanical Circulatory Devices**
Payam Salehi, MD, PhD
- 8:45 a.m. **Radial Artery Access for Peripheral Interventions: Feasibility and Limitations**
Heron E. Rodriguez, MD
- 9:00 a.m. **Brachial Sheath Hematoma: Prevention, Diagnosis, and Treatment**
Bernadette Aulivola, MD
- 9:15 a.m. **Panel Discussion**
- 9:45 p.m. **Refreshment Break and Exhibits**

■ Cerebrovascular And Supra-Aortic Trunk Disease

Moderator: Mark K. Eskandari, MD

- 10:00 a.m. **Incidence and Management of Extracranial Carotid Aneurysms**
Samuel R. Money, MD, MBA
- 10:15 a.m. **Is There Good Evidence for Routine Use of Carotid Patches?**
Karen J. Ho, MD
- 10:30 a.m. **Diagnosis and Management of Internal Carotid Artery "String Sign": When To Intervene?**
Natalie A. Marks, MD
- 10:45 a.m. **Techniques for Improving Outcomes of Large Carotid Body Tumor Resection**
Oscar L. Ojeda, MD
- 11:00 a.m. **Mini-Incision CEA: Results and Technique**
Timothy M. Sullivan, MD
- 11:15 a.m. **Panel Discussion**
- 12:00 p.m. **Closing Comments**
Mark K. Eskandari, MD

