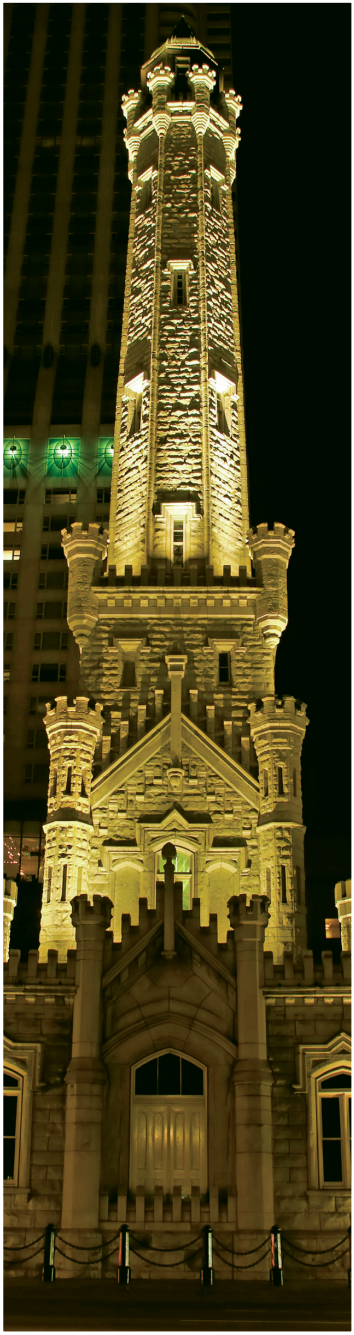






50th Annual Northwestern Vascular Symposium

DECEMBER 3-5, 2026
InterContinental Chicago
Chicago, Illinois

SPONSORED BY:

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

Vascular surgeons, radiologists, cardiac surgeons, cardiologists and general surgeons who treat vascular disease. Also, current trainees in these disciplines and advanced practice providers in these areas of study.

EDUCATIONAL OBJECTIVES:

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

1. Discuss breakthrough technology treatments of lower extremity arterial disease
2. Review the clinical limitations of EVAR
3. Review of current optimal medical treatment options for vascular diseases
4. Present 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. Describe the role and importance of vascular surgery medicine in comprehensive clinical care
11. Review contemporary best practices for quality vascular care

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

Individual Call-In: Reservation will be made by individuals directly with Hotel Reservations Department before the cut-off date, **Wednesday, November 11, 2026**. Please inform guests or attendees to contact the Reservations Department at 312-321-8895 and identify themselves as guests or participants in Client's group, meeting or event in order to receive Client's special group rates. Guests must cancel their reservations 72 hours prior to arrival or the first night's room and tax will be charged.

CUT-OFF DATE:

The cut-off date for accepting reservations into this room block is 5:00PM local time at Hotel on **Wednesday, November 11, 2026**. Reservation requests received after 5:00PM local time at the Hotel on the cut-off date will be based on availability and accepted at the prevailing rates. Hotel reserves the right to release for general sale any unused portion of the room block.

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 19.25 *AMA PRA Category 1 Credits™*. Physicians should claim only credit commensurate with the extent of their participation in the activity.

AMERICAN BOARD OF SURGERY CONTINUOUS CERTIFICATION AND SELF-ASSESSMENT PROGRAMS

Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn credit toward the CME and Self-Assessment requirements of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABS credit.

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.

REQUESTING ACCOMMODATIONS

Northwestern University is committed to providing reasonable accommodations for all events and programs. Accommodations such as sign language interpreters, accessible seating, and presentation materials in alternate formats are provided upon request. Please contact Sara Minton at sminton@nm.org by November 11, 2026. Every reasonable effort will be made to implement accommodations in an effective and timely manner.

FACULTY DISCLOSURES

Speakers are required to disclose any relevant financial relationships with commercial ACCME-defined ineligible companies prior to the symposium. The course syllabus will identify any relevant financial relationships. All relevant financial relationships will be mitigated prior to the start of the activity.

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 our website at <https://northwestern.cloud-cme.com/vascular2026>. Please note: Credit card payments cannot be accepted for phone, postal mail or on-site registrations. If you plan to register on-site, please bring cash or a check made payable to "Northwestern University".

FACULTY

COURSE DIRECTOR: Mark K. Eskandari, MD Northwestern University Feinberg School of Medicine Chicago, IL Nathan Aranson, MD Tufts University School of Medicine Northern Light Mercy Medical Center Portland, ME Shipra Arya, MD Stanford University Palo Alto, CA Bernadette Aulivola, MD Loyola University Medical Center Maywood, IL Faisal Aziz, MD, MBA Penn State Health Hershey, PA Anand Brahmandam, MD Northwestern University Feinberg School of Medicine Chicago, IL Francis J. Caputo, MD Cleveland Clinic Cleveland, OH Rabih Chaer, MD, MSc Stony Brook Medicine Stony Brook, NY Dawn Coleman, MD Duke University Medical School Durham, NC Mark Conrad, MD, MMSc Boston University Medical School Boston, MA Meghan Dermody, MD, MS Penn Medicine University of Pennsylvania Lancaster, PA Alik Farber, MD, MBA Boston University Chobanian and Avedisian School of Medicine Boston, MA Manuel Garcia-Toca, MD, MS Emory University Atlanta, GA Hugh Gelabert, MD David Geffen UCLA School of Medicine Los Angeles, CA Linda Harris, MD Jacobs School of Medicine and Biomedical Sciences Buffalo, NY Heitham Hassoun, MD Chief Executive Officer Cedars-Sinai Medical Center Los Angeles, CA George E. Havelka, MD Northwestern University Feinberg School of Medicine Chicago, IL Katherine Hekman, MD, PhD Stanford University Palo Alto, CA	Karen J. Ho, MD Northwestern University Feinberg School of Medicine Chicago, IL Elias Hohlastos, MD Northwestern Medicine Lake Forest, IL Lindsay Jones, MD Northwestern University Feinberg School of Medicine Chicago, IL Bin Jiang, MD Northwestern University Feinberg School of Medicine Chicago, IL Lee Kirksey, MD, MBA Cleveland Clinic Cleveland, OH Andrew Lee, MD West Virginia University Charleston, WV Jason T. Lee, MD Stanford University School of Medicine Palo Alto, CA Sean Lyden, MD Cleveland Clinic Cleveland, OH Emily Malgor, MD University of Colorado Aurora, CO Neel A. Mansukhani, MD, MS Northwestern University Feinberg School of Medicine Chicago, IL Walter J. McCarthy, MD Professor Emeritus Rush University Chicago, IL James F. McKinsey, MD Mount Sinai New York, NY Courtney Morgan, MD University of Wisconsin School of Medicine and Public Health Madison, WI Peter Naughton, MD Royal College of Surgeons, Ireland Dublin, Ireland Jean Panneton, MD University of Miami Miami, FL Virendra Patel, MD, MPH Columbia University Vagelos College of Physicians and Surgeons Columbia University New York, NY Benjamin J. Pearce, MD University of Alabama at Birmingham Heersink School of Medicine Birmingham, AL William Pearce, MD Professor Emeritus Northwestern University Feinberg School of Medicine Chicago, IL	Andi Peshkeplja, MD Wayne State University School of Medicine Detroit, MI Tamar Polonsky, MD University of Chicago Medicine Chicago, IL Heron E. Rodriguez, MD Northwestern University Feinberg School of Medicine Chicago, IL Peter Rossi, MD Medical College of Wisconsin Milwaukee, WI Michael Soult, MD Loyola University Medical School Maywood, IL Lars Stangenberg, MD, PhD Harvard Medical School Boston, MA Jordan Stern, MD Weill Cornell Medicine New York, NY Michael Stoner, MD University of Rochester Rochester, NY Nicholas Sverdlow, MD Harvard Medical School Boston, MA Rami Tador, MD Icahn School of Medicine at Mount Sinai New York, NY Tiziano Tallarita, MD Arizona State University School of Medicine Scottsdale, AZ Gale L. Tang, MD University of Washington Seattle, WA Tadaki M. Tomita, MD Northwestern University Feinberg School of Medicine Chicago, IL Ashley K. Vavra, MD Northwestern University Feinberg School of Medicine Chicago, IL Gabriela Velazquez, MD Wake Forest University School of Medicine Winston-Salem, NC Gabriel A. Wallace, MD Northwestern University Feinberg School of Medicine Chicago, IL Bowen Wang, PhD Northwestern University Feinberg School of Medicine Chicago, IL Grace Wang, MD, MSCE Hospital of the University of Pennsylvania Philadelphia, PA Sara Zettervall, MD, MPH University of Washington Seattle, WA
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PROGRAM DESCRIPTION
2026

Welcome to the 50th Annual Northwestern Vascular Symposium. This 2.5 day course provides *AMA PRA Category 1 Credits™*, maintenance of certification (MOC) credits, and a hardcover textbook authored by the invited faculty. We have brought together over 50 experts in their respective fields of vascular care who have contributed an up-to-date written chapter that accompanies their corresponding 15-minute presentation. As has been the tradition, we have selected speakers 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, and 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 longstanding tradition of our program has been the inclusion of several short case presentations given by the Northwestern Vascular Surgery trainees during the continental breakfast on Friday and Saturday mornings. We recognize the educational value of these case-based discussions and invite the audience to participate along with our expert panelists.

In addition to the CME and MOC credits, registration for the meeting includes a daily continental breakfast, lunch, refreshments, the hardcover textbook, and access to a PDF version of the textbook.

The Northwestern Vascular Surgery Team is excited to have you join us in Chicago around the holiday season and celebrate our 50th year of the meeting.

AGENDA

THURSDAY, DECEMBER 3, 2026

- 7:00 a.m. **Registration and Continental Breakfast**
Mark K. Eskandari, MD
- 7:20 a.m. **Welcome and Introduction**
Mark K. Eskandari, MD
- 7:30 a.m. **50th Anniversary of the Northwestern Vascular Symposium**
William H. Pearce, MD
- 7:45 a.m. **SVS History Working Group: Remembering Drs. Bergan and Yao**
Walter J. McCarthy III, MD, MS

■ Aortic Diseases I

- Moderator: Mark K. Eskandari, MD*
- 8:00 a.m. **AORTIC SURGERY AT NORTHWESTERN: PAST, PRESENT, AND FUTURE**
Neel A. Mansukhani, MD, MS
- 8:15 a.m. **WHAT WILL THE WARRIORS TRIAL TELL US?**
Shipra Arya, MD
- 8:30 a.m. **SALVAGING PRIOR EVAR WITH FENESTRATED/BRANCHED STENT GRAFTS**
Andi Peshkepija, MD
- 8:45 a.m. **INCORPORATING A THORACOABDOMINAL AORTIC BRANCHED STENT GRAFT INTO YOUR PRACTICE: NECESSARY TOOLS AND SKILLS**
Peter J. Rossi, MD
- 9:00 a.m. **MALPERFUSION FIRST OPTIONS FOR ACUTE TYPE A AORTIC DISSECTIONS**
Anand Brahmandam, MD
- 9:15 a.m. **Panel Discussion**
Panelists: Drs. Mansukhani, Arya, Peshkepija, Rossi and Brahmandam
- 9:45 a.m. **Refreshment Break and Exhibits**

■ Aortic Diseases II

- Moderator: Ashley K. Vavra, MD*
- 10:00 a.m. **IN SITU LASER FENESTRATION FOR ZONE 2 TEVAR: DOES IT STILL HAVE A ROLE?**
Jean M. Panneton, MD
- 10:15 a.m. **CONTEMPORARY STRATEGIES FOR MANAGEMENT OF AN ABERRANT SUBCLAVIAN ARTERY AND KOMMERELL'S DIVERTICULUM**
Grace J. Wang, MD, MSCE
- 10:30 a.m. **ILIAC BRANCHED GRAFT DEVICES: TIPS, TRICKS, AND EXTENDED USES**
Heron E. Rodriguez, MD
- 10:45 a.m. **CT FUSION, FORS, AND RADIATION REDUCTION STRATEGIES IN COMPLEX AORTIC PRACTICE**
Nicholas J. Swerdlow, MD

- 11:00 a.m. **BENEFITS OF PRE-EMPTIVE SAC EMBOLIZATION FOR INFRARENAL AORTIC STENT GRAFT REPAIR**
Virendra I. Patel, MD
- 11:15 a.m. **Panel Discussion**
Panelists: Drs. Panneton, Wang, Rodriguez, Swerdlow and Patel
- 12:00 p.m. **Luncheon: Camelot Room**

■ Complex Arterial And Venous Diseases

- Moderator: Tadaki M. Tomita, MD*
- 1:30 p.m. **MANAGEMENT OF AXILLO-SUBCLAVIAN ARTERY INJURIES**
Manuel Garcia-Toca, MD, MS
- 1:45 p.m. **MANAGEMENT OF POPLITEAL VEIN ANEURYSMS**
Tiziano Tallarita, MD
- 2:00 p.m. **TREATMENT OPTIONS FOR RENAL VEIN COMPRESSION AND COMPLEX PELVIC DISEASES**
Rabih A. Chaer, MD, MSc
- 2:15 p.m. **CLINICAL AND FUNCTIONAL OUTCOMES OF LOWER EXTREMITY ONCOVASCULAR RECONSTRUCTIONS**
Emily A. Malgor, MD
- 2:30 p.m. **MINIMIZING RADIATION EXPOSURE WITH NEWER PROTECTION SYSTEMS**
Linda M. Harris, MD
- 2:45 p.m. **Panel Discussion**
Panelists: Drs. Garcia-Toca, Tallarita, Chaer, Malgor and Harris
- 3:15 p.m. **Refreshment Break and Exhibits**

■ Venous Problems

- Moderator: Karen J. Ho, MD*
- 3:30 p.m. **DIAGNOSIS AND MANAGEMENT OF HEMODIALYSIS ACCESS COMPLICATIONS: A REVIEW**
Gale L.Tang, MD
- 3:45 p.m. **COMPARISON OF ASPIRATION THROMBECTOMY TO CATHETER-DIRECTED THROMBOLYSIS IN THE MANAGEMENT OF VENOUS THORACIC OUTLET**
Hugh A. Gelabert, MD
- 4:00 p.m. **VENOUS THORACIC OUTLET: TRANSAXILLARY VERSUS INFRACLAVICULAR APPROACHES**
Gabriela Velazquez, MD
- 4:15 p.m. **CONTEMPORARY ALGORITHM FOR THE MANAGEMENT OF ACUTE ILIAC AND FEMORAL VEIN THROMBOSIS**
Elias Hohlastos, MD
- 4:30 p.m. **ACUTE LIMB ISCHEMIA AFTER ILIAC VEIN STENTING**
Rami O. Tadros, MD
- 4:45 p.m. **Panel Discussion**
Panelists: Drs. Tang, Gelabert, Velazquez, Hohlastos and Tadros

- 5:00 p.m. **Adjourn**

FRIDAY, DECEMBER 4, 2026

- Moderator: Heron E. Rodriguez, MD*
- 7:00 a.m. **Trainee Case Presentations and Continental Breakfast**

■ Current Issues In Vascular Surgery

- Moderator: Mark K. Eskandari, MD*
- 8:00 a.m. **AI CHATBOTS FOR PATIENT EDUCATION IN CARDIOVASCULAR DISEASE: IS THERE A POTENTIAL BENEFIT?**
Karen J. Ho, MD
- 8:15 a.m. **VASCULAR SURGERY CODING AND BILLING: SURGEONS VERSUS AI**
Andrew K. Lee, MD
- 8:30 a.m. **BUILDING THE PIPELINE: RECRUITING THE NEXT GENERATION OF VASCULAR SURGEONS**
Tadaki M. Tomita, MD
- 8:45 a.m. **PROS AND CONS OF IMPLEMENTING A “SURGEON OF THE WEEK” MODEL IN A VASCULAR PRACTICE**
Dawn M. Coleman, MD
- 9:00 a.m. **VASCULAR SURGEONS AS DEPARTMENT CHAIRS**
Alik Farber, MD, MBA
- 9:15 a.m. **Panel Discussion**
Panelists: Drs. Ho, Lee, Tomita, Coleman and Farber
- 9:45 a.m. **Refreshment Break and Exhibits**

■ Extremity Diseases I

- Moderator: Gabriel A. Wallace, MD*
- 10:00 a.m. **OPTIMAL ENDOVASCULAR MANAGEMENT OF ISOLATED POPLITEAL ARTERIAL OCCLUSIVE DISEASE**
Mark F. Conrad, MD, MSC
- 10:15 a.m. **OUTCOMES OF PERIPHERAL VASCULAR INTERVENTIONS IN PATIENTS WITH ACTIVE CANCER**
Lars Stangenberg, MD, PhD
- 10:30 a.m. **VASCULAR COMPLICATIONS ASSOCIATED WITH ECMO**
Benjamin J. Pearce, MD
- 10:45 a.m. **LOWER EXTREMITY ENHANCED RECOVERY AFTER SURGERY PATHWAYS: WHY, HOW, AND RESULTS?**
Ashley K. Vavra, MD
- 11:00 a.m. **INTRAVASCULAR LITHOTRIPSY FOR LOWER EXTREMITY OCCLUSIVE DISEASE: WHEN TO USE IT AND RESULTS**
James F. McKinsey, MD
- 11:15 a.m. **Panel Discussion**
Panelists: Drs. Conrad, Stangenberg, Pearce, Vavra and McKinsey

- 11:45 a.m. **Refreshment Break and Exhibits**

- Moderator: Ashley K. Vavra, MD*
- 12:00 p.m. **Trainee Case Presentations and Box Lunch**

■ Vascular Medicine

- Moderator: George E. Havelka, MD*
- 1:30 p.m. **BEETROOT JUICE FOR PERIPHERAL ARTERIAL DISEASE: DOES IT WORK?**
Tamar S. Polonsky, MD
- 1:45 p.m. **VALUE OF DUAL ANTIPLATELET THERAPY AFTER FENESTRATED OR BRANCHED AORTIC REPAIR**
Sara L. Zetterval, MD, MPH
- 2:00 p.m. **LONG TERM ECHOCARDIOGRAPHIC CHANGES AFTER HIGH FLOW VASCULAR ACCESS CREATION**
Lee Kirksey, MD, MBA
- 2:15 p.m. **GLP-1 RECEPTOR AGONISTS ARE ASSOCIATED WITH REDUCED AAA-RELATED EVENTS**
Francis J. Caputo, MD
- 2:30 p.m. **MITOCHONDRIAL TRANSPLANTATION AS A THERAPEUTIC STRATEGY FOR VASCULAR DISEASE**
Bin Jiang, PhD
- 2:45 p.m. **Panel Discussion**
Panelists: Drs. Polonsky, Kirksey, Caputo and Jiang
- 3:15 p.m. **Refreshment Break and Exhibits**

■ Extremity Diseases II

- Moderator: Neel A. Mansukhani, MD*
- 3:30 p.m. **AN UPDATE ON THE SVS CLINICAL PRACTICE GUIDELINES FOR CLAUDICATION**
Bernadette Aulivola, MD
- 3:45 p.m. **OUTCOMES FOLLOWING TREATMENT FOR FUNCTIONAL POPLITEAL ARTERY ENTRAPMENT SYNDROME IN ATHLETES**
Jason T. Lee, MD
- 4:00 p.m. **MAJOR LIMB AMPUTATION AND MANAGEMENT OF POST-OPERATIVE DEPRESSION**
Faisal Aziz, MD, MBA
- 4:15 p.m. **TARGETED MUSCLE REINNERVATION SURGERY: HOW AND WHEN TO DO IT FOR MAJOR LIMB AMPUTATION**
Lindsay E. Janes, MD
- 4:30 p.m. **PROTECTING VEIN GRAFTS: PRE-BYPASS INJURIES OF VEIN GRAFTS**
Bowen Wang, PhD
- 4:45 p.m. **Panel Discussion**
Panelists: Drs. Aulivola, Lee, Aziz, Janes and Wang

- 5:00 p.m. **Adjourn**

SATURDAY, DECEMBER 5, 2026

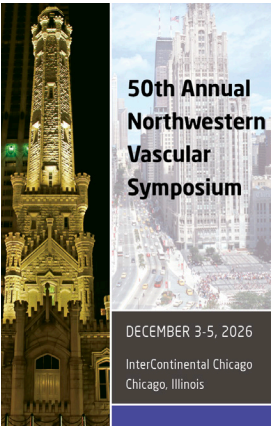
- Moderator: Anand Brahmandam, MBBS*
- 7:00 a.m. **Trainee Case Presentations and Continental Breakfast**

■ Northwestern Vascular Alumni

- Moderator: Ashley K. Vavra, MD*
- 8:00 a.m. **FOSTERING COLLABORATIONS AFTER FELLOWSHIP TRAINING AND AIMS UPDATE**
Peter A. Naughton, MD
- 8:15 a.m. **DEVELOPING THE TOOLS TO BECOME A SURGEON-SCIENTIST**
Katherine Hekman, MD, PhD
- 8:30 a.m. **ESTABLISHING A COMPLEX ENDOVASCULAR AORTIC PRACTICE AFTER FELLOWSHIP TRAINING**
Michael C. Soult, MD
- 8:45 a.m. **LESSONS LEARNED AS SECTION CHIEF IN THE VA HEALTHCARE SYSTEM**
Courtney Morgan, MD
- 9:00 a.m. **GLOBAL HEALTHCARE**
Heitham Hassoun, MD
- 9:15 a.m. **Panel Discussion**
Panelists: Drs. Naughton, Hekman, Soult, Morgan and Hassoun
- 9:45 a.m. **Refreshment Break and Exhibits**

■ Cerebrovascular Disease

- Moderator: Mark K. Eskandari, MD*
- 10:00 a.m. **OUTCOMES OF MICRO NET CAROTID STENT SYSTEM**
Sean P. Lyden, MD
- 10:15 a.m. **OUTCOMES OF ENDOVASCULAR VERSUS OPEN REPAIR FOR CAROTID ARTERY INJURY: REVIEW OF THE NATIONAL TRAUMA DATA BANK**
Jordan R. Stern, MD
- 10:30 a.m. **DOWNSIDE OF “STOP SHORT” TECHNIQUE DURING TCAR**
Meghan Dermody, MD, MS
- 10:45 a.m. **INTRAVASCULAR LITHOTRIPSY DURING TCAR: IS IT TOO RISKY?**
Nathan J. Aranson, MD
- 11:00 a.m. **ENDOVASCULAR OPTIONS FOR SUPRA-AORTIC TRUNK DISEASE**
Michael C. Stoner, MD
- 11:15 a.m. **Panel Discussion**
Panelists: Drs. Lyden, Stern, Dermody, Aranson and Stoner
- 11:30 a.m. **Closing Comments**
Mark K. Eskandari, MD



- ☐ Physicians \$ 850.00
- ☐ Residents, Fellows, Nurses..... \$ 500.00

How to Register

Online: Go to: <https://northwestern.cloud-cme.com/vascular2026>

Or **Mail with Check** to:
Northwestern University
Feinberg School of Medicine
Division of Vascular Surgery
Attn: Marsha Blunt
676 N. Saint Clair St., Ste. 650, Arkes Pavilion
Chicago, IL 60611

Please make your check payable to Northwestern University.

The registration fee includes: 3 continental breakfasts, 2 lunches, refreshment breaks, and a course textbook. **Please note:** Credit card payments cannot be accepted for phone, postal mail, or on-site registrations. If you plan to register on-site, please bring cash or a check made payable to “Northwestern University”.

PLEASE TYPE OR PRINT

Last Name _____ ☐ MD
_____ ☐ RN
_____ ☐ Other _____

First Name _____

Address _____

City _____ State _____ Zip _____

Daytime Phone _____

Fax _____

Email (required) _____

(Your registration confirmation will be emailed.)

Specialty _____



Please indicate any accommodation requests.

Are you a Northwestern University Feinberg School of Medicine Alumnus/a? ☐ Yes ☐ No

Will you be claiming MOC? ☐ Yes ☐ No

ABS Diplomate ID: _____

Birthdate (month/year only): _____

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- ☐ I provide permission for my CME/MOC completion data to be shared and transmitted to the Accreditation Council for Continuing Medical Education (ACCME), licensing board(s), and participating certifying boards.