Masters’ Approach to Critical Limb Ischemia (MAC Symposium)

April 17 – 19, 2016
InterContinental Hotel
9801 Carnegie Ave
Cleveland, OH

FEATURING:
Hands-On Ultrasound Stations
Cadaveric Lab
Live Case Demonstrations
Simulation Lab

Limited Space, Register Now!
ccfcme.org/16CriticalLimb
By Attending, You Will Be Able To:

• Summarize the current knowledge of the epidemiology and evaluation of critical limb ischemia (CLI) and wound assessment
• Describe the current state of perfusion assessment and non-invasive imaging in CLI
• Identify current and future medical treatments for CLI and describe their most appropriate uses in clinical practice
• List and select appropriate surgical and endovascular options for management of patients with CLI
• Critically assess options for chronic total occlusions including those of the superficial femoral artery and tibial vessels
• Perform successful tibiopedal access using ultrasound and fluoroscopic guidance
• Describe a cost-effective approach to lower extremity revascularization and wound care

Who Should Attend?

Physicians, nurses, physician assistants, and health care professionals in vascular surgery, podiatry, interventional cardiology, interventional radiology, internists, endocrinologists, and wound care specialists who are involved in the care of patients with critical limb ischemia.

Heart & Vascular Institute Cleveland Clinic

Symposium Director

Mehdi H. Shishehbor, DO, MPH, PhD
Director, Endovascular Services
Interventional Cardiology and Vascular Medicine
Cardiovascular Medicine

Co-Directors

Heather Gornik, MD
Medical Director, Non-Invasive Vascular Laboratory
Vascular Medicine

Lee Kirksey, MD
Vascular Surgery

Michael Maier, DPM
Director, Lower-Extremity Wound Clinic
Podiatry

Guest Faculty

Shah-Hinan Ahmed, MD
UT Health Science Center at San Antonio
San Antonio, TX

Gary Ansel, MD
OhioHealth
Columbus, OH

Ehrin Armstrong, MD
University of Colorado School of Medicine
Denver, CO

Subhash Banerjee, MD
VA North Texas Health Care System
Dallas, TX

Matthew C. Bunte, MD
St. Luke’s Mid-America Heart Institute
Lee’s Summit, MO

Mark Burket, MD
University of Toledo
Toledo, OH

Douglas Drachman, MD
Massachusetts General Hospital
Boston, MA

Alik Farber, MD
Boston Medical Center
Boston, MA

Jaafer Golzar, MD
Advocate Trinity Hospital/Advocate Health Care
Chicago, IL

Bruce Gray, DO
Vascular Health Alliance
Greenville, SC

W. Schulyer Jones, MD
Duke University
Durham, NC

John R. Laird, MD
University of California, Davis
Sacramento, CA

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Vascular Surgery

Michael Maier, DPM
Director, Lower-Extremity Wound Clinic
Podiatry
### Guest Faculty continued

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution/Location</th>
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<tbody>
<tr>
<td>Arthur C. Lee, MD</td>
<td>The Cardiac and Vascular Institute, Gainesville, FL</td>
</tr>
<tr>
<td>Robert A. Lookstein, MD</td>
<td>The Mount Sinai Hospital, New York, NY</td>
</tr>
<tr>
<td>Marco Manzi, MD</td>
<td>Abano Terme General Hospital, Abano Terme, Italy</td>
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<tr>
<td>Carlos Mena, MD</td>
<td>Yale School of Medicine, New Haven, CT</td>
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<tr>
<td>Miguel Montero-Baker, MD</td>
<td>University of Arizona, Tucson, AZ</td>
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<tr>
<td>Aravinda Nanjundappa, MD</td>
<td>West Virginia University School of Medicine, Charleston, WV</td>
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<tr>
<td>Sahil Parikh, MD</td>
<td>Case Western Reserve University School of Medicine, Cleveland, OH</td>
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<tr>
<td>Manesh Patel, MD</td>
<td>Duke University, Durham, NC</td>
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<tr>
<td>Marc Penn, MD, PhD</td>
<td>Summa Health System, Akron, OH</td>
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<tr>
<td>George A. Pliagas, MD</td>
<td>Premier Surgical Associates, Knoxville, TN</td>
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<tr>
<td>Kenneth Rosenfield, MD</td>
<td>Massachusetts General Hospital, Boston, MA</td>
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<tr>
<td>Andrej Schmidt, MD, PhD</td>
<td>University Clinic of Leipzig, Leipzig, Germany</td>
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<tr>
<td>Yoshimitsu Soga, MD</td>
<td>Kokura Memorial Hospital, Kitakyushu, Japan</td>
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<tr>
<td>Peter A. Soukas, MD</td>
<td>Warren Alpert School of Medicine of Brown University, Providence, RI</td>
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<tr>
<td>Craig Walker, MD</td>
<td>Cardiovascular Institute of the South, Houma, LA</td>
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<tr>
<td>Thomas Zeller, MD, PhD</td>
<td>Herz Zentrum Heart Center, Bad Krozingen, Germany</td>
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### Cleveland Clinic Faculty

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<thead>
<tr>
<th>Name</th>
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<tr>
<td>Christopher Bajzer, MD</td>
<td>Cardiovascular Medicine</td>
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<tr>
<td>Jen Barker, RN, BSN</td>
<td>Catheter Lab</td>
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<td>John Bartholomew, MD</td>
<td>Vascular Medicine</td>
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<td>Georgeanne Botek, DPM</td>
<td>Podiatry</td>
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<tr>
<td>Christi Cavaliere, MD</td>
<td>Plastic Surgery</td>
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<td>Kristin Englund, MD</td>
<td>Infectious Disease</td>
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<td>Phillip Erwin, MD, PhD</td>
<td>Cardiovascular Medicine</td>
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<td>Natalie Evans, MD</td>
<td>Vascular Medicine</td>
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<tr>
<td>Scott Hantz, RN, EMT-P</td>
<td>Catheter Lab</td>
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<tr>
<td>Fasail Hasan, MD</td>
<td>Interventional Cardiology, Cleveland Clinic Abu Dhabi</td>
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<td>Gina Hild, DPM</td>
<td>Podiatry</td>
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<td>Karunakaravel Karuppasamy, MBBS</td>
<td>Diagnostic Radiology</td>
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<td>Sean Lyden, MD</td>
<td>Vascular Surgery</td>
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<td>Jeff Martin, RN, EMT</td>
<td>Catheter Lab</td>
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<td>Federico Parodi, MD</td>
<td>Vascular Surgery</td>
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<td>Christopher Smolock, MD</td>
<td>Vascular Surgery</td>
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<tr>
<td>Alexandra Villa-Forte, MD</td>
<td>Rheumatologic and Immunologic Disease</td>
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Agenda – Sunday, April 17

6:45 am  Registration/Continental Breakfast/Visit Exhibits

11:05 am  Live Case Demonstration
Operator: Mehdi H. Shishehbor, DO, PhD
Moderator: Subhash Banerjee, MD
Panel: Alik Farber, MD
Bruce Gray, DO
John R. Laird, MD
Marco Manzi, MD
Thomas Zeller, MD, PhD

12:30 pm  Lunch Break

ACCESS
Chairs: Craig Walker, MD, and Andrej Schmidt, MD, PhD

1:30 pm  Choosing the Right Access
John R. Laird, MD

1:40 pm  Safety and Efficacy of Retrograde Access
Thomas Zeller, MD, PhD

1:50 pm  Tibiopedal Access – Ultrasound Guided
Jaafar Golzar, MD

2:00 pm  Tibiopedal Access – Fluoroscopic Guided
Andrej Schmidt, MD, PhD

2:10 pm  Extreme Access
Marco Manzi, MD

2:20 pm  Current Devices for Tibiopedal Access
Miguel Montero-Baker, MD

2:30 pm  Case-based Discussion: Tibiopedal Access
Chair: Mehdi H. Shishehbor, DO, PhD
Fasail Hasan, MD
Miguel Montero-Baker, MD
Marco Manzi, MD
Andrej Schmidt, MD, PhD
Thomas Zeller, MD, PhD

3:00 pm  Refreshment Break/Visit Exhibits

3:15 pm  Live Case Demonstration
Operator: Mehdi H. Shishehbor, DO, PhD
Moderator: Craig Walker, MD
Panel: Phillip Erwin, MD, PhD
Miguel Montero-Baker, MD
Marco Manzi, MD
Andrej Schmidt, MD, PhD
Thomas Zeller, MD, PhD

MEDICAL THERAPY FOR CLI
Chair: Heather Gornik, MD

4:30 pm  Guideline Recommendations
Heather Gornik, MD

4:40 pm  What is the Right Anti-Platelet Therapy Regimen for CLI?
Subhash Banerjee, MD

4:50 pm  Vorapaxar for CLI
Schuyler Jones, MD

5:00 pm  Novel Anticoagulants for CLI
Natalie Evans, MD

5:10 pm  Case-based Discussion: CLI Medical Therapy
Chair: TBD
Subhash Banerjee, MD
Natalie Evans, MD
Heather Gornik, MD
Schuyler Jones, MD
Mehdi Shishehbor, DO, PhD

5:30 pm  Adjourn

Hands-On Arterial Ultrasound Workshop
8:00 am – 5:30 pm
4 sessions (1.5 hours each) are available.
This concurrent workshop session will allow attendees to gain valuable hands-on instruction and training with a live model. Register for your preferred time slot. Times are on a first-come, first-served basis. Space is limited.

7:30 am  Introduction
Mehdi H. Shishehbor, DO, PhD

CLI EPIDEMIOLOGY AND WOUND ASSESSMENT
Chairs: Michael Maier, DPM, and Manesh Patel, MD

7:45 am  Epidemiology and Prognosis
Manesh Patel, MD

8:00 am  The ABCs of Lower Extremity Wound Assessment
Michael Maier, DPM

8:10 am  Clinical Diagnosis of Wound Types
Gina Hild, DPM

8:20 am  Understanding Your Patients’ Feet
Georgeanne Botek, DPM

8:30 am  Unusual Vascular Causes of Lower Extremity Wounds
John Bartholomew, MD

8:40 am  Vasculitis: the Role of Lower Extremity Wounds
Alexandra Villa-Forte, MD

8:50 am  How to Identify an Infected Lower Extremity Wound
Kristin Englund, MD

9:00 am  Perfusion Assessment in CLI
Mehdi H. Shishehbor, DO, PhD

9:10 am  Non-Invasive Assessment of CLI (Ultrasound, CT, MR)
Karunakaravel Karuppusamy, MBBS

9:20 am  Case-based Discussion: CLI Assessment
Chair: Mehdi H. Shishehbor, DO, PhD
John Bartholomew, MD
Georgeanne Botek, DPM
Heather Gornik, MD
Gina Hild, DPM
Michael Maier, DPM
Manesh Patel, MD

10:00 am  Refreshment Break/Visit Exhibits

BEST APPROACH
Chairs: Alik Farber, MD, and John R. Laird, MD

10:25 am  Clinical Application of the Angiosome Concept
Yoshimitsu Soga, MD

10:35 am  How Do I Decide Between Endo or Open?
Alik Farber, MD

10:45 am  Who is an Ideal Endovascular Patient?
Bruce Gray, DO

10:55 am  Cost-Effective Approaches to Lower Extremity Revascularization
Mark Burket, MD
### Agenda – Monday, April 18

7:00 am  Registration/Continental Breakfast/Visit Exhibits

**Hands-On Ultrasound Guided Tibiopedal Access Cadaveric Lab**
4 sessions (2 hours each) are available. This concurrent cadaveric lab will allow attendees to gain valuable hands-on instruction and training in an actual lab environment. Register for your preferred time slot. Times are on a first-come, first-served basis. Space is limited.

### Allied Health Professional Roundtable Workshop for Cardiac Catheterization Laboratory Professionals
8:00 am – 5:00 pm
3 sessions (1 hour each) are available. Designed for techs and nurses, this concurrent, roundtable workshop will review care and setup of a CLI patient; define metrics, productivity, call coverage, and staffing as it relates to both cath lab and CLI patients; and provide networking opportunities where you can get to know other labs and their processes. The concurrent workshop is complimentary and first come, first served (registration required). Space is limited.

7:30 am  Endovascular Approach for Almost All CLI Cases
Craig Walker, MD

**CROSSING CTOs**
Chairs: Sean Lyden, MD, and Craig Walker, MD
1:10 pm  Directional
Thomas Zeller, MD, PhD

**Endovascular Approach for Almost All CLI Cases**
Craig Walker, MD

**Wire Selection for Below Knee CTOs**
Craig Walker, MD

**Technical Approach for Crossing CTOs – German Approach**
Marco Manzi, MD

9:00 am  Technical Approach for Crossing CTOs – Japanese Approach
Yoshimitsu Soga, MD

**Wire Selection for Below Knee CTOs**
Craig Walker, MD

**Technical Approach for Crossing CTOs – Italian Approach**
Marco Manzi, MD

9:00 am  Technical Approach for Crossing CTOs – German Approach
Andréj Schmidt, MD, PhD

9:10 am  Technical Approach for Crossing CTOs – Italian Approach
Yoshimitsu Soga, MD

**Wire Selection for Below Knee CTOs**
Craig Walker, MD

**Technical Approach for Crossing CTOs – Italian Approach**
Marco Manzi, MD

9:20 am  Refreshment Break/Visit Exhibits

### SFA TREATMENT
Chairs: Lee Kirksey, MD, and Thomas Zeller, MD, PhD

**Angioplasty vs Nitinol Stent Alone**
Sahil Panik, MD

**Drug Eluding Stents**
Gary Ansel, MD

**Covered Stents**
Federico Parodi, MD

**Intervenous Stents**
Andréj Schmidt, MD, PhD

**Drug Coated Balloons**
Kenneth Rosenfield, MD

12:00 pm  Lunch Break

10:40 am  Live Case Demonstration
Operator: Mehdi H. Shishehbor, DO, PhD
Moderator: Andréj Schmidt, MD, PhD
Panel: Bruce Gray, DO
Sahil Panik, MD
Sahil Panik, MD
Kenneth Rosenfield, MD
Thomas Zeller, MD, PhD

4:15 pm  How to Gain Re-Entry below the Knee CART, Reverse CART, Parallel Balloon
Andréj Schmidt, MD, PhD

4:25 pm  Hybrid Approach to CLI
Lee Kirksey, MD

4:45 pm  Crossing Tibial Vessel Using Collaterals
Gary Ansel, MD

5:05 pm  Tibialpedal Access – German Approach
Andréj Schmidt, MD, PhD

5:15 pm  Extreme Surgical Options for Lower Extremity Revascularization
Christopher Smolock, MD

### AHERECTOMY
Chairs: Kenneth Rosenfield, MD, Fasail Hasan, MD; and Miguel Montero-Baker, MD

1:00 pm  Orbital
Sahil Panik, MD

1:10 pm  Laser
Kenneth Rosenfield, MD

1:20 pm  Directional
Thomas Zeller, MD, PhD

1:30 pm  Front Cutting
Miguel Montero-Baker, MD

1:40 pm  My Approach to Atherectomy Devices
Carlos Mena, MD

2:30 pm  Refreshment Break/Visit Exhibits

2:50 pm  Live Case Demonstration
Operator: Mehdi H. Shishehbor, DO, PhD
Moderator: Carlos Mena, MD
Panel: Bruce Gray, DO
Sahil Panik, MD
Kenneth Rosenfield, MD
Federico Parodi, MD
Kenneth Rosenfield, MD
Thomas Zeller, MD, PhD

### THINGS YOU NEED TO KNOW
Chairs: Bruce Gray, DO, and Andréj Schmidt, MD, PhD

4:15 pm  How to Gain Re-Entry below the Knee CART, Reverse CART, Parallel Balloon
Andréj Schmidt, MD, PhD

4:25 pm  Hybrid Approach to CLI
Lee Kirksey, MD

4:45 pm  Crossing Tibial Vessel Using Collaterals
Gary Ansel, MD

5:05 pm  Tibialpedal Access – German Approach
Andréj Schmidt, MD, PhD

5:15 pm  Extreme Surgical Options for Lower Extremity Revascularization
Christopher Smolock, MD

5:25 pm  Non-CME Future of Endovascular Therapy
Moderator: Mehdi H. Shishehbor, DO, PhD
Panel: Bruce Gray, DO
Michael Botnar, Abbott Vascular
Kenneth Rosenfield, MD
Robert Thatcher, Cardiovascular Systems, Inc.
Mark Turco, MD, Medtronic
Craig Walker, MD

6:25 pm  Adjourn
Agenda – Tuesday, April 19

7:30 am Registration/Continental Breakfast/Visit Exhibits

FOLLOW UP AND WOUND CARE
Chairs: Christi Cavaliere, MD, and Heather Gornik, MD
8:15 am The ABCs of Lower Extremity Wound Care
     Michael Maier, DPM
8:25 am Amputation – Functional Versus Anatomical
     Perspective
     Gina Hild, DPM
8:35 am Prevention of Ulcer Recurrence, Podiatry Perspective
     Georgeanne Botek, DPM
8:45 am Mixed Arterial and Venous Disease – How to Approach
     Natalie Evans, MD
8:55 am Extreme Surgical Options for Wound Repair
     Christi Cavaliere, MD
9:05 am Case-based Discussion: CLI Team Approach
     Chair: Mehdi H. Shishehbor, DO, PhD
     Panel: Georgeanne Botek, DPM
     Christi Cavaliere, MD
     Natalie Evans, MD
     Gina Hild, DPM
     Robert A. Lookstein, MD

POST INTERVENTION EVALUATION
Chairs: Phillip Erwin, MD, PhD, and Heather Gornik, MD
9:30 am Post Intervention Testing (ABI, Ultrasound)
     Heather Gornik, MD
9:40 am My Algorithm for Post Intervention Testing
     Sahil Parikh, MD
9:50 am Alternative Therapies for CLI
     Marc Penn, MD, PhD
10:00 am Refreshment Break/Visit Exhibits
10:20 am Case-based Discussion: Putting It All Together
     Chairs: Bruce Gray, DO, and
     Mehdi H. Shishehbor, DO, PhD
     Panel: Christopher Bajzer, MD
     Lee Kirksey, MD
     Philip Erwin, MD, PhD
     Sean Lyden, MD
     Sahil Parikh, MD
     Christopher Smolock, MD
11:55 am Closing Remarks
     Mehdi H. Shishehbor, DO, PhD
12:00 pm Adjourn

General Information
Information
For further information about registration, cancellation, faculty disclosure, and the Americans with Disabilities Act, contact the Cleveland Clinic Center for Continuing Education.
Local: 216.444.9990
Website: ccfcme.org/16CriticalLimb

Hotel Accommodations
A limited block of rooms has been reserved at the InterContinental Hotel and InterContinental Suites Hotel only until March 16, 2016, 5:00 pm ET.
To make your reservations, contact the hotel and identify yourself as an attendee for the Cleveland Clinic Critical Limb Ischemia Symposium for special rates:
• InterContinental Hotel and Bank of America Conference Center (Main Hotel):
  855.765.8709
  $179 plus tax (online code CGA)
• InterContinental Suites Hotel:
  855.268.0352
  $159 plus tax (online code CGG)

Accreditation
The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.
The Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of 20 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

Fees
Fee includes: Daily continental breakfast, refreshment breaks, and electronic syllabus in PDF form.

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<th>On or Before April 1</th>
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<tbody>
<tr>
<td>Physician</td>
<td>$450</td>
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<tr>
<td>Nurse/Non-Physician</td>
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<tr>
<td>Resident*/Fellow*</td>
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*Letter from program director is required to receive the discounted fee. If letter is not received two weeks prior to the activity, the full physician fee will be charged.

Concurrent Ultrasound and Cadaveric workshops are included in your registration fee. Register online for your preferred session time. Space is limited, first-come, first-served.

For complete registration and cancellation information, visit www.ccfcme.org/16CriticalLimb
Masters’ Approach to Critical Limb Ischemia

(MAC Symposium)

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Why attend?
• Comprehensive review of epidemiology, pathology, diagnosis, and treatment of critical limb ischemia
• Hands-on arterial ultrasound workshops and ultrasound guided tibiopedal access cadaveric lab
• Engaging case-based discussions on assessment, best technical approaches, medical therapy, and atherectomy

Limited Space, Register Now! ccfcme.org/16CriticalLimb