EVOLUTION MIAMI 2019
THE FUTURE OF INTERVENTIONAL THERAPY: TODAY

NOVEMBER 15-17, 2019
INTERCONTINENTAL MIAMI

COURSE DIRECTORS
Shivank Bhatia, MD
Srini Tummala, MD

GUEST COURSE DIRECTORS
Riad Salem, MD, MBA
Darren Klass, MBChB, MD

COURSE HIGHLIGHTS
CRITICAL LIMB ISCHEMIA
PROSTATE ARTERY EMBOLIZATION (PAE)
GENICULATE ARTERY EMBOLIZATION (GAE)
PERCUTANEOUS DIALYSIS FISTULA CREATION (ENDO AVF)
VENOUS DISEASE
DIAGNOSIS AND MANAGEMENT OF ACUTE STROKE
SPINE DISORDERS AND TREATMENTS

Sponsored by:
UNIVERSITY OF MIAMI
MILLER SCHOOL OF MEDICINE

REGISTRATION AND INFORMATION
www.cme.med.miami.edu
OVERVIEW

The University of Miami’s Department of Interventional Radiology is excited to announce Evolution Miami 2019, a contemporary interventional meeting focusing on prostate artery embolization, critical limb ischemia, percutaneous dialysis fistula creation, geniculate artery embolization, venous disease, acute stroke and spine interventions. This educational course will include presentations from nationally renowned faculty, case presentations and hands-on workshops.

TARGET AUDIENCE
Interventional radiologists, interventional cardiologists, vascular surgeons, interventional nephrologists, interventional neurologists and interventional neurosurgeons.

LEARNING OBJECTIVES
After participating in this activity, participants should be able to:
- Treat patients with critical limb ischemia (CLI)
- Apply crossing techniques for chronic total occlusions in CLI patients
- Determine best data-driven medical management and endovascular treatment for CLI patients
- Determine which medications are needed post endovascular therapy for PAD/CLI
- Identify the best techniques and devices to treat peripheral venous disease
- Treat patients with acute and chronic DVT
- Apply current techniques for IVC filter removal
- Apply a new non-surgical technique for creating dialysis fistulas in patients with end-stage renal disease (Endo AVF)
- Apply Endo AVF data, ultrasound screening criteria, technique for creation, risks, follow up and surveillance to dialysis patients
- Treat patients with LUTS using PAE
- Understand basic and variant prostate artery anatomy
- Identify critical vasculature during the PAE procedure
- Assess patient symptoms and treatment options for symptomatic benign prostatic hyperplasia including drug treatment, surgery and embolization
- Treat patients with fractures and tumors of the spine
- Avoid complications related to spine treatments such as vertebroplasty/kyphoplasty and tumor ablation
- List the pre-hospital scales and criteria for acute stroke patients
- Identify the best endovascular techniques and devices to treat acute stroke patients
- Determine best data driven management of patients with acute stroke

ACCREDITATION
The University of Miami Leonard M. Miller School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT DESIGNATION
The University of Miami Leonard M. Miller School of Medicine designates this live activity for a maximum of 17.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

DISCLOSURE AND CONFLICT OF INTEREST RESOLUTION
All conflicts of interest of any individual(s) in a position to control the content of this CME activity will be identified and resolved prior to this educational activity being provided. Disclosure about provider and faculty relationships, or the lack thereof, will be provided to learners.

SERVICES FOR THE DISABLED
Please contact the Division of CME prior to October 14, 2019 should you have any special needs that may require additional assistance. A conference staff member will contact you to discuss these special requirements.

FOR MORE INFORMATION
www.cme.med.miami.edu
Division of Continuing Medical Education
Tel: 305-243-6716 / Fax: 305-243-5613 / cme@med.miami.edu

COURSE DIRECTORS
Shivank Bhatia, MD
Chairman, Department of Interventional Radiology
Associate Professor of Interventional Radiology and Urology
University of Miami Miller School of Medicine
Miami, FL

Srini Tummala, MD
Director, Limb Preservation Program
Assistant Professor of Interventional Radiology
Department of Interventional Radiology
University of Miami Miller School of Medicine
Miami, FL

GUEST COURSE DIRECTORS
Darren Klass, MBChB, MD, MRCS, FRCR, FRCPC
Clinical Associate Professor
University of British Columbia
Division of Interventional Radiology
Medical Head MRI - Vancouver Acute
Department of Radiology, VCHA - Vancouver Acute
Department of Radiology
Vancouver, BC

Riad Salem, MD, MBA
Professor of Radiology, Medicine and Surgery
Chief, Section of Vascular and Interventional Radiology
Vice-Chair, Image-Guided Therapy
Department of Radiology
Northwestern University
Chicago, IL
FACULTY LISTING

GUEST FACULTY

Raj Ayyagari, MD
Yale University School of Medicine
New Haven, CT

Tiago Bithim, MD, PhD, EBIR, FSIR, FCIRSE
University of Sao Paulo Medical School
Sao Paulo, Brazil

Francisco César Carnevale, MD, PhD
University of Sao Paulo Medical School
Sao Paulo, Brazil

Guilherme Dabus, MD
Miami Cardiac and Cardiovascular Institute
Baptist Neuroscience Institute
Miami, FL

Hoang Duong, MD
Memorial Healthcare System
Hollywood, FL

Lawrence Garcia, MD
St. Elizabeth’s Medical Center
Tufts University School of Medicine
Brighton, MA

Jaffer Golzar, MD, FACC, FSCAI
Advocate Medical Group
Advocate Trinity Hospital
Chicago, IL

Mauricio Juan Cuellar, MD
Division of Nephrology
University of Miami Miller School of Medicine

UHEALTH/UNIVERSITY OF MIAMI MILLER SCHOOL OF MEDICINE FACULTY

Issam M. Kably, MD
Department of Interventional Radiology

Bruce R. Kava, MD MS-CTI
Department of Urology

Lindsay Karr-Thornton, MD
Department of Interventional Radiology

Andres Krauthamer, MD
Department of Interventional Radiology

Zoe Miller, MD
Department of Interventional Radiology

Prasoon Mohan, MD
Department of Interventional Radiology

Sanoj Punnen, MD
Department of Urology

Hemendra N. Shah, MD
Department of Urology

Dileep Yavagal, MD
Interventional/Stroke Division
Department of Neurology
AGENDA

FRIDAY, NOVEMBER 15, 2019

SESSION: CLI CLINICAL FORUM
Moderators: Darren Klass, MBChB, MD • Srini Tummala, MD

8:00-8:10 AM The CLI Epidemic • Jay Mathews, MD, MS
8:10-8:20 AM Economics of CLI: Is it Good for My Healthcare System • Joseph Ricotta II, MD, MS
8:20-8:30 AM Workup: What Do The Society Guidelines Say? • Keith Sterling, MD
8:30-8:40 AM Pre-Treatment Imaging: Do I Really Need It? • Bret Weichmann, MD
8:40-8:50 AM Medical Management After the Fix, Is There Data? • Aditya Sharma, MD
8:50-9:00 AM Iliac Intervention Data • Joseph J. Ricotta, II, MD, MS
9:00-9:10 AM SFA Intervention Data • Jaafer Golzar, MD
9:10-9:20 AM Tibial Intervention Data • Miguel Montero-Baker, MD
9:20-9:40 AM Case Presentations / Scenarios
Moderator: Aditya Sharma, MD
Panel: Jaafer Golzar, MD • Jay Mathews, MD, MS • Joseph Ricotta II, MD, MS • Keith Sterling, MD • Bret Weichmann, MD • Miguel Montero-Baker, MD

9:40-10:10 AM Coffee Break and Visit Exhibits

SESSION: CLI TECHNICAL FORUM
Moderators: Lawrence Garcia, MD • Srini Tummala, MD

10:10-10:20 AM Catheter and Guidewire Selection • Jay Mathews, MD, MS, FACC
10:20-10:30 AM CTO Classification and Crossing Techniques • Lawrence Garcia, MD
10:30-10:40 AM Atherectomy Devices • Bret Weichmann, MD
10:40-10:50 AM Drug Therapy Technologies and Controversies Today • Lawrence Garcia, MD
10:50-11:00 AM How To: Iliac Interventions • Keith Sterling, MD, FSIR
11:00-11:10 AM How To: SFA Interventions • Arthur Lee, MD
11:10-11:20 AM How To: Tibial Interventions • Srini Tummala, MD
11:20-11:30 AM The Pedal Loop Looks Bad, Now What? • Arthur Lee, MD
11:30-11:40 AM Venous Arterialization: The Next Frontier in CLI? • Miguel Montero-Baker, MD
11:40-11:50 AM Radial Access in PAD: Platform Development • Darren Klass, MBChB, MD
11:50-12:20 PM Case Presentations (Iliac, SFA, Tibial, Pedal Loop, Venous Arterialization)
Panel: Lawrence Garcia, MD • Darren Klass, MBChB, MD • Arthur Lee, MD • Jay Mathews, MD, MS • Miguel Montero-Baker, MD • Keith Sterling, MD
• Bret Weichmann, MD

12:20-1:20 PM Lunch

CONCURRENT SESSIONS

SESSION: VENOUS DISEASE
Moderators: Jose Almeida, MD • Marcelo Guimaraes, MD

1:20-1:30 PM Leg Swelling: Is It Cardiac, Renal, Lipedema, Lymphedema or Venous?
• Jose Almeida, MD
1:30-1:40 PM Endovascular Rx of Acute DVT: What does the Data Tell Us?
• E. Brooke Spencer, MD
1:40-1:50 PM Tools for Peripheral Venous Thrombectomy: What’s Old and What’s New?
• Marcelo Guimaraes, MD
1:50-2:00 PM Endovascular Management of Chronic DVT: How to Treat it and Does it Really Work?
• E. Brooke Spencer, MD

2:00-2:10 PM May-Thurner Treatment: Show Me the Data! • Jose Almeida, MD
2:10-2:20 PM Medical Management Post Endo Treatment Which Meds Actually Work? • Aditya Sharma, MD
2:20-2:30 PM IVC Filter Removal Tips and Tricks • Marcelo Guimaraes, MD
2:30-2:50 PM Case Presentations
Panel: Jose Almeida, MD • E. Brooke Spencer, MD • Marcelo Guimaraes, MD • Aditya Sharma, MD
2:50-3:20 PM Coffee Break and Visit Exhibits

HANDS-ON WORKSHOPS (Non-CME)
Flagler Ballroom
1:30-2:00 PM Arterial Hands-On Workshop I
FRIDAY, NOVEMBER 15, 2019

CONCURRENT SESSIONS

SESSION: DIALYSIS: PERCUTANEOUS FISTULA CREATION (ENDO AVF)
Moderators: Steve Henao, MD • Srini Tummala, MD
3:20-3:30 PM  K-DOQI Guidelines Update: What the Non-Nephrologist Needs to Know
• Mauricio Juan Cuellar, MD
3:30-3:40 PM  From Diagnosis to Dialysis - A Nephrology Perspective • Tom Philips, APRN
3:40-3:50 PM  The Failing Dialysis Fistula and When to Use High Pressure POBA, BMS, Stent Graft, DCB
• Darren Klass, MBChB, MD
3:50-4:10 PM  Endo AVF Creation: Comparing Current Technologies and Data (Non-CME)
• Jeff Hull, MD • Zubin Irani, MD, MBBS
4:10-4:20 PM  Duplex Mapping for Endo AVF Creation • Steve Henao, MD
4:20-4:30 PM  Endo AVF Creation Pearls and Pitfalls • Jeff Hull, MD
4:30-4:40 PM  Surveillance Post Endo AVF and the Road to Cannulation • Steve Henao, MD
4:40-4:50 PM  What a Dialysis Center Needs To Know About Endo AVF? • Zubin Irani, MD, MBBS
5:10 PM  Adjourn
6:00 PM  Welcome Cocktail Reception

HANDS-ON WORKSHOPS (Non-CME)
Flagler Ballroom
3:30-4:00 PM  Arterial Hands-On Workshop II

SATURDAY, NOVEMBER 16, 2019

SESSION: BPH BASICS
Moderators: Shivank Bhatia, MD • Bruce R. Kava, MD, MS-CTI
8:00-8:10 AM  LUTS Syndrome - Simplified for IRs • Francisco Cesar Carnevale, MD, PhD
8:10-8:20 AM  Patient Workup for LUTS - When to Treat • Bruce R. Kava, MD, MS-CTI
8:20-8:30 AM  Current State in Medical and Surgical Treatment of BPH - Small, Moderate and Large Glands – Does One Size Fit All? • Hemendra N. Shah, MD
8:30-8:40 AM  PSA – MRI – 4K SCORE – The Urologist’s Perspective on Prostate Cancer Detection during PAE Workup • Sanoj Punnen, MD
8:40-8:50 AM  BPH Management – A Patient Perspective / Counselling the Patient for PAE • Shivank Bhatia, MD • Franciso Cesar Carnevale, MD, PhD • Bruce R. Kava, MD, MS-CTI • Sanoj Punnen, MD • Hemendra N. Shah, MD
9:20-9:50 AM  Coffee Break and Visit Exhibits

SESSION: PAE TECHNICAL FORUM
Moderators: Francisco Cesar Carnevale, MD, PhD • Riad Salem, MD, MBA
9:50-10:00 AM  Prostate Arterial Anatomy - Essentials • André Moreira de Assis, MD
10:00-10:10 AM  Prostatic Anastomosis – Classification and Applications • Tiago Bilhim, MD, PhD
10:10-10:20 AM  PAE - Pre and Post Procedure Imaging • André Moreira de Assis, MD
10:20-10:30 AM  PAE: Optimizing Technique for Consistent Results • Francisco Cesar Carnevale, MD, PhD
10:30-10:40 AM  Access (Radial/Femoral), Microcatheters, Wires and Coils for PAE • Jason Hoffman, MD
10:40-11:00 AM  Prostate Arterial Anatomy Case Based Review - Rapid Fire • Shivank Bhatia, MD
11:00-11:50 AM  Live Recorded Cases: Basic to Advanced - Technical Challenges - Learn from the Experts • André Moreira de Assis, MD • Raj Ayyagari, MD • Shivank Bhatia, MD • Tiago Bilhim, MD, PhD • Francisco Cesar Carnevale, MD, PhD • Riad Salem, MD, MBA
11:50-12:50 PM  Lunch

CONCURRENT SESSIONS

SESSION: PAE CLINICAL FORUM
Moderators: Raj Ayyagari, MD • Tiago Bilhim, MD, PhD
12:50-1:00 PM  PAE: Post Procedure Management - Managing Expectations and Complications • Charles W. Nutting, DO
1:00-1:10 PM  PAE DATA: What to Collect - Best Clinical Practice Consensus • Riad Salem, MD, MBA
1:10-1:20 PM  Particles for PAE: Type and Size - Current Evidence • Francisco Cesar Carnevale, MD, PhD
1:20-1:30 PM  PAE DATA: What can you tell your Urologists? • James B. Spies, MD
1:30-1:40 PM  PAE and Erectile/Ejaculatory Function – What Can We Tell our Patients? • Tiago Bilhim, MD, PhD
1:40-1:50 PM  Economics of PAE: Reimbursement and Practice Building • Raj Ayyagari, MD
1:50-2:00 PM  Erectile Dysfunction – Next Frontier for IR? • Issam M. Kably, MD
**HOTEL**

**INTERCONTINENTAL MIAMI**
100 Chopin Plaza
Miami, FL 33131
Tel. 305-577-1000
www.icmiamihotel.com
Hotel Class: 4 Stars

**SPECIAL CONFERENCE RATE**
A block of rooms has been reserved for conference participants at a discounted rate:
- **US $219/night + 13% tax/day for a Single/Double City View room (Up to 2 adults)**
- **US $259/night + 13% tax/day for a Bayview room for a Single/Double (Up to 2 adults)**

The rate is guaranteed only until **Tuesday, October 22, 2019** based on availability. The hotel extends the group rate 3 days pre- and post-conference dates based on availability. After this date, reservation requests will be considered on a space-available basis.

**RESERVATIONS**
Room reservations will be made by individual attendees directly by clicking on the following direct link to online reservations at the hotel or call (305) 577-1000 and request the **UM Evolution Miami 2019 Conference** group rate.

**For online reservations, click on:** Evolution Miami 2019

All reservations must be received by the hotel no later than **October 22, 2019**. All individual reservations must be accompanied by a first night room deposit or guaranteed with a major credit card. The hotel will not hold any reservations unless secured by one of the above methods.

**PARKING RATES**
Valet Overnight Parking: $35.00/night with in and out privileges
Valet Daily Conference Parking: $16/day (no in/out privileges)

---

**REGISTRATION FORM**

**TO REGISTER, please visit** www.cme.med.miami.edu or complete this form and mail/fax (with payment) to:

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>Degree (MD, DO, PhD, ARNP, etc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Month &amp; Day of Birth (mm/dd):</th>
<th>(for CME recording purposes only)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mailing Address</th>
<th>City</th>
<th>State Zip/Postal Code</th>
<th>Daytime Telephone</th>
<th>Fax</th>
<th>Email (mandatory)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TUITION**

<table>
<thead>
<tr>
<th></th>
<th>Before 10/14/2019</th>
<th>As of 10/14/2019</th>
<th>Onsite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physicians (MDs/DOs)</td>
<td>$800</td>
<td>$900</td>
<td>$950</td>
</tr>
<tr>
<td>Fellows</td>
<td>$350</td>
<td>$450</td>
<td>$500</td>
</tr>
<tr>
<td>Residents</td>
<td>$350</td>
<td>$450</td>
<td>$500</td>
</tr>
<tr>
<td>Nurse Practitioners/ARNPs</td>
<td>$250</td>
<td>$350</td>
<td>$400</td>
</tr>
<tr>
<td>Nurses/RNs</td>
<td>$200</td>
<td>$300</td>
<td>$350</td>
</tr>
<tr>
<td>Technologists</td>
<td>$200</td>
<td>$300</td>
<td>$350</td>
</tr>
<tr>
<td>Allied Healthcare Professionals</td>
<td>$200</td>
<td>$300</td>
<td>$350</td>
</tr>
<tr>
<td>Medical Students (w/Proof of ID)</td>
<td>$50</td>
<td>$100</td>
<td>$150</td>
</tr>
<tr>
<td>Industry Representative</td>
<td>$1,000</td>
<td>$1,100</td>
<td>$1,200</td>
</tr>
</tbody>
</table>

**One Day Fees**

<table>
<thead>
<tr>
<th>Day of Conference</th>
<th>Before 10/14/2019</th>
<th>As of 10/14/2019</th>
<th>Onsite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday, 11/15/19</td>
<td>$400</td>
<td>$500</td>
<td>$550</td>
</tr>
<tr>
<td>Saturday, 11/16/19</td>
<td>$400</td>
<td>$500</td>
<td>$550</td>
</tr>
<tr>
<td>Sunday, 11/17/19</td>
<td>$400</td>
<td>$500</td>
<td>$55</td>
</tr>
</tbody>
</table>

**PAYMENT METHOD**
Check: Please make check payable to UM/Division of CME (reference Account #PG006363 on the check)

Charge my registration fee in the amount of $___________ to my:
- [ ] Visa®
- [ ] MasterCard®
- [ ] American Express

Name on Card ____________________________________________ Expiration Date __________________________

How did you hear about this program?
- [ ] Brochure
- [ ] Email
- [ ] Colleague
- [ ] Flyer/Announcement
- [ ] Website
- [ ] Other

**REGISTRATION CANCELLATION POLICY**
Refunds will be made only if written notice of cancellation is received prior to **October 14, 2019**. A $100 fee is charged for all refunds. After this date, no refunds will be made. In cases where a course is cancelled due to insufficient registrations, a full tuition refund will be made.
EVOLUTION MIAMI 2019
THE FUTURE OF INTERVENTIONAL THERAPY: TODAY

November 15-17, 2019
Intercontinental Miami, Miami, FL

Register today at:
www.cme.med.miami.edu