Fellows Course
Complex Strategies for Peripheral Interventions
The Roosevelt Hotel | New Orleans | May 30, 2017

CHAIRMEN
Carlos I. Mena, MD | Craig M. Walker, MD

ncvh.org/fellows
Cordially Invites You to
MEET the TITANS
The Networking Event of the Year for the Healthcare Industry’s “Movers and Shakers”

Tuesday, May 30, 2017
6:00 - 7:30 pm
Blue Room
The Roosevelt Hotel
New Orleans
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agenda</td>
<td>2</td>
</tr>
<tr>
<td>Interactive Learning Stations</td>
<td>8</td>
</tr>
<tr>
<td>Faculty</td>
<td>12</td>
</tr>
<tr>
<td>Louisiana State University Training Schedule</td>
<td>16</td>
</tr>
<tr>
<td>Notes</td>
<td>18</td>
</tr>
</tbody>
</table>
## AGENDA

**Breakfast Symposium (Sponsored by AstraZeneca)**  
6:45 AM - 7:40 AM

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:45 AM</td>
<td>Breakfast and Registration</td>
</tr>
</tbody>
</table>
| 7:00 AM| Understanding the Ongoing Risk of Atherothrombosis Beyond the Culprit Lesion  
*S. Hinan Ahmed, MD* |
| 7:40 AM| Break                                                                |

### Complex Strategies for Peripheral Interventions Session I  
7:45 AM - 11:30 AM  
**Moderator: Carlos Mena, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 7:45 AM| Welcome, Introduction of the Chairman and Opening Remarks  
*Craig Walker, MD* |
| 7:55 AM| Why Every Physician Must Diagnose PAD  
*Craig Walker, MD* |
| 8:05 AM| Wire Technology: How to Choose Based on Anatomy and Strategy  
*Craig Walker, MD* |
| 8:25 AM| Workshop: Rotation 1                                                                                                                 |
| 8:50 AM| Questions and Answers/Transition                                                                                                    |
| 8:55 AM| The Role of Duplex Ultrasound, CTA, and MRA in the Diagnosis and Selection of Treatment Options for PAD  
*Richard Kovach, MD* |
| 9:05 AM| Access is Everything: From Routine to Advanced in Peripheral Interventions  
*Larry Diaz-Sandoval, MD* |
| 9:15 AM| Complications of Vascular Access and Hemostasis  
*Fadi Saab, MD* |
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:25 AM</td>
<td>Workshop: Rotation 2</td>
</tr>
<tr>
<td>9:50 AM</td>
<td>Questions and Answers/Transition</td>
</tr>
</tbody>
</table>
*Osama Ibrahim, MD* |
| 10:05 AM | Now That You Have the Tools, What Are You Going to Do With Them?  
*James Jenkins, MD* |
| 10:15 AM | Workshop: Rotation 3                                                  |
| 10:40 AM | Questions and Answers/Transition                                      |
| 10:45 AM | Diagnosis and Endovascular Treatment of Critical Limb Ischemia: What You Need to Know  
*S. Jay Mathews, MD* |
| 10:55 AM | What’s on the Horizon With Drug-Eluting Devices?  
*Robert Beasley, MD* |
| 11:05 AM | Workshop: Rotation 4                                                  |
| 11:30 AM | Questions and Answers/Transition                                      |

**Lunch Symposium (Sponsored by Bard Peripheral Vascular)**  
11:35 PM - 12:30 PM

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>11:35 AM</td>
<td>Lunch Buffet</td>
</tr>
</tbody>
</table>
| 11:45 AM | Lunch Symposium Sponsored by Bard Peripheral Vascular: The Continuum of Care  
*Christopher Paris, MD* |
<p>| 12:30 PM | Break                                                                |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:40 PM</td>
<td>Endovascular Approach to CTOs: Crossing Methods and Devices</td>
</tr>
<tr>
<td></td>
<td><em>Anish Thomas, MD</em></td>
</tr>
<tr>
<td>12:50 PM</td>
<td>Optical Coherence Tomography (OCT): Role in Modern Cath Lab</td>
</tr>
<tr>
<td></td>
<td><em>Patrick Muck, MD</em></td>
</tr>
<tr>
<td>1:00 PM</td>
<td>Workshop: Rotation 5</td>
</tr>
<tr>
<td>1:25 PM</td>
<td>Questions and Answers/Transition</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>An Update on Balloons: From POBA to the Newest Technologies</td>
</tr>
<tr>
<td></td>
<td><em>Pradeep Nair, MD</em></td>
</tr>
<tr>
<td>1:40 PM</td>
<td>Self-Expanding Stent Technology: Impact on Choosing a Device</td>
</tr>
<tr>
<td></td>
<td><em>S. Hinan Ahmed, MD</em></td>
</tr>
<tr>
<td>1:50 PM</td>
<td>An Overview of Atherectomy Devices</td>
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<tr>
<td></td>
<td><em>Eric Dippel, MD</em></td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Workshop: Rotation 6</td>
</tr>
<tr>
<td>2:25 PM</td>
<td>Questions and Answers/Transition</td>
</tr>
<tr>
<td>2:30 PM</td>
<td>How to Choose the Right Patient for Carotid Stenting</td>
</tr>
<tr>
<td></td>
<td><em>Carlos Mena, MD</em></td>
</tr>
<tr>
<td>2:40 PM</td>
<td>Overview of Endovascular Aortic Aneurysm Repair</td>
</tr>
<tr>
<td></td>
<td><em>Larry Hollier, MD</em></td>
</tr>
<tr>
<td>2:50 PM</td>
<td>Diagnosis and Endovascular Approach of Chronic Mesenteric Ischemia</td>
</tr>
<tr>
<td></td>
<td><em>Steve Henao, MD</em></td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Workshop: Rotation 7</td>
</tr>
<tr>
<td>3:25 PM</td>
<td>Questions and Answers/Transition</td>
</tr>
<tr>
<td>Time</td>
<td>Session Title</td>
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<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>A Comprehensive Overview of the Diagnosis and Treatment of Chronic Venous Insufficiency</td>
</tr>
<tr>
<td>3:40 PM</td>
<td>Interventions for Acute and Chronic DVT and Venous Insufficiency</td>
</tr>
<tr>
<td>3:50 PM</td>
<td>Workshop: Rotation 8</td>
</tr>
<tr>
<td>4:15 PM</td>
<td>Questions and Answers/Transition</td>
</tr>
<tr>
<td>4:20 PM</td>
<td>Healthcare Changes Affecting Your Practice</td>
</tr>
<tr>
<td>4:30 PM</td>
<td>New Technology Update: Toys Needed in the Cath Lab of Today</td>
</tr>
<tr>
<td>4:40 PM</td>
<td>Workshop: Rotation 9</td>
</tr>
<tr>
<td>5:05 PM</td>
<td>Questions and Answers/Transition</td>
</tr>
<tr>
<td>5:10 PM</td>
<td>The Promise of CO₂ in Vascular Intervention: Where It’s Useful and Where It’s Not</td>
</tr>
<tr>
<td>5:20 PM</td>
<td>How NOT to Give a Talk: Helpful Hints for Your Next Presentation</td>
</tr>
<tr>
<td>5:30 PM</td>
<td>Workshop: Rotation 10</td>
</tr>
<tr>
<td>5:55 PM</td>
<td>Closing Remarks</td>
</tr>
<tr>
<td>6:00 PM</td>
<td>Reception: Meet the Titans of Peripheral Vascular Disease</td>
</tr>
<tr>
<td>7:30 PM</td>
<td>Dinner Symposium (Sponsored by Medtronic)</td>
</tr>
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</table>
2017-2018 REGIONAL MEETINGS

Comprehensive Cardiology Symposium
New Jersey
ATLANTIC CITY
JULY 15

Multidisciplinary Advancements in the Treatment of Peripheral Artery Disease and Limb Preservation
Texas
AUSTIN
JULY 22

Advancements in Care of the CV Patient: Multidisciplinary Strategies for Optimal Results
Mid-South
OXFORD, MS
AUG 05

Cardiovascular Update for the Primary Care Provider
Lafayette
LOUISIANA
AUG 12

Comprehensive Cardiac and Vascular Symposium
Birmingham
ALABAMA
AUG 26

Comprehensive Cardiac and Vascular Symposium
St. Louis
MISSOURI
SEPT 30

Clinical Updates and Advances in Vascular Medicine
Minneapolis
MINNESOTA
OCT 14

Clinical Updates on Vascular Disease and Thromboembolism for Primary Care Providers
Philadelphia
PENNSYLVANIA
NOV 04

Multidisciplinary Strategies for Optimal Cardiac and Vascular Care
Miami
FLORIDA
DEC 02

State-of-the-Art Cardiology and Advanced Limb Preservation Techniques
Baton Rouge
LOUISIANA
JAN 13

Evolving Paradigms in Cardiovascular Care and Limb Preservation
Detroit
MICHIGAN
JAN 20

Multidisciplinary Advancements in the Treatment of Cardiovascular Disease, Peripheral Artery Disease and Endovascular Therapy
Shreveport
LOUISIANA
MAR 03

Evolving Paradigms in Cardiology and Vascular Medicine
Florida
ORLANDO
MAR 10

Cardiovascular Update for the Primary Care Provider
Mobile
ALABAMA
MAR 24

Changing Paradigms in Vascular and Venous Therapy: An Update on New Technology and Pharmacotherapy Options
California
NAPA VALLEY
APR 14

337.993.7920 | registration@ncvh.org | ncvh.org
WORKSHOP #1
BOSTON SCIENTIFIC
Boston Scientific is pleased to offer an opportunity for attendees to spend time with our latest devices and technologies, as well as to learn about our educational training programs. Both hands-on product demonstrations as well as procedure simulators will be available during the Fellows workshops.

Faculty Proctors: Steve Henao, MD
Osama Ibrahim, MD | Fadi Saab, MD

WORKSHOP #2
SIEMENS
Siemens Healthineers - With Siemens pioneering ultrasound technologies, your patients can depend on you to provide accurate diagnoses and help them to make the best decisions for their care. Siemens Healthineers develops innovations that support better patient outcomes with greater efficiencies, giving providers the confidence they need to meet the clinical, operational and financial challenges of a changing healthcare landscape. As a global leader in medical imaging, laboratory diagnostics, and healthcare information technology, we have a keen understanding of the entire patient care continuum—from prevention and early detection to diagnosis and treatment.

Faculty Proctor: Patrick Muck, MD

WORKSHOP #3
COOK MEDICAL
Cook Medical will have multiple procedural stations highlighting PAD, venous, and aortic disease. Faculty will be on hand to give tips and tricks and fellows will be able to refine skill sets using various models, including drug-eluting stent deployment, coil embolization, IVC filters placement and retrieval, and AAA/thoracic stent grafts. In addition to the models we will also feature pedal access techniques and other specialized products.

Faculty Proctor: George Adams, MD

WORKSHOP #4
GORE & ASSOCIATES
Through hands-on demonstrations, participants will examine Gore’s portfolio of innovative solutions for all stages of complex peripheral arterial disease.

Faculty Proctor: George Adams, MD
WORKSHOP #5
BARD PERIPHERAL VASCULAR
Bard Peripheral Vascular is excited for the opportunity to work with course attendees and showcase / provide demonstrations on our industry leading technologies such as the Lutonix Drug Coated Balloon (DCB), the GeoAlign Marking System, and the Crosser CTO recanalization system.

Faculty Proctor: Robert Beasley, MD

WORKSHOP #6
SPECTRANETICS
Spectranetics offers the only Peripheral and Coronary Laser Atherectomy simulator in the industry. On the simulator, there are seven cases for physicians to treat complex Peripheral and Coronary Lesions. Physicians will also be able to treat a case of Fem-Pop ISR using the Turbo Tandem and Turbo Elite. Spectranetics is the only indicated atherectomy device to treat Fem-Pop ISR. Physicians who attend the NCVH Fellows Course 2017 will be able to experience Cross, Prep, Treat using Spectranetics Products.

Faculty Proctor: Anish Thomas, MD

WORKSHOP #7
MEDTRONIC
Come interact with Medtronic to learn about our portfolio and get some great hands-on in the treatment of Peripheral Arterial Disease, Chronic Venous Insufficiency, and Aortic Disease. Fellows, come to our booth to learn more about upcoming educational courses, events at congresses, and to get involved in our program!

Faculty Proctors: Robert Coronado, MD Carlos Mena, MD

WORKSHOP #8
CARDIOVASCULAR INSTITUTE OF THE SOUTH
Jumpstart Your Cardiology Career. The healthcare job market is highly competitive. In addition to having excellent training and clinical skills, it is also important to have a strong curriculum vitae, creditable professional references, and overcome the last hurdle in your way of landing the job—nailing the interview. The first seven seconds of the interview is only part of securing your success. You need to continue making a strong impression throughout the entire recruiting process. But how do you make
a lasting impression that leaves no doubt that you’re the right physician for the job? Come by our booth to pick up some resources and ask questions about how to jumpstart your cardiology career.

Faculty Proctor: Richard Kovach, MD

WORKSHOP #9
PHILIPS VOLCANO
Philips Volcano CLI solutions help clinicians decide, guide, treat and confirm the right therapy for each patient. Take this opportunity for a hands-on demonstration of Philips Volcano’s Phoenix atherectomy system and the Pioneer Plus IVUS-guided re-entry device. You’ll experience hands-on training while learning from world-renown faculty members in the field of peripheral interventions.

WORKSHOP #10
TERUMO
Fellows will have the opportunity to discover and their get hands-on the latest tools and technologies from Terumo. The focus will be on the treatment and management of PAD/CLI solutions with discussions around radial and femoral approaches spanning vessel access, lesion crossing, and arterial closure. In addition, they will have the opportunity to learn about upcoming Terumo Learning EDGE events to further your education!
CHAIRMEN

CARLOS I. MENA, MD
Yale School of Medicine
New Haven, CT

CRAIG M. WALKER, MD
Clinical Professor of Medicine
Tulane University School of Medicine
New Orleans, LA

Clinical Professor of Medicine
LSU School of Medicine
New Orleans, LA

Founder, President and Medical Director
Cardiovascular Institute of the South
Houma, LA

Clinical Editor
Vascular Disease Management

Co-Chief Clinical Editor
Global Vascular Digest
GEORGE ADAMS, MD
North Carolina Heart & Vascular
- Rex Healthcare
Raleigh, NC

S. HINAN AHMED, MD
UT Health Science Center of San Antonio
San Antonio, TX

MOHAMMAD (MAC) ANSARI, MD
Texas Tech University Health Sciences Center
Lubbock, TX

ROBERT ATTARAN, MD
Yale University
New Haven, CT

ROBERT BEASLEY, MD
Mount Sinai Medical Center
Miami Beach, FL

JAMES CARIDI, MD
Tulane University Medical School
New Orleans, LA

ROBERT CORONADO, MD
Coronado Vein Center
Redding, CA

LARRY DIAZ-SANDOVAL, MD
Metro Health Hospital
Grand Rapids, MI

ERIC DIPPEL, MD
Vascular Institute of the Midwest
Davenport, IA

STEVE HENAO, MD
New Mexico Heart Institute
Albuquerque, NM

LARRY HOLLIER, MD
LSU Health Sciences Center
New Orleans, LA

OSAMA IBRAHIM, MD
North Memorial Health Care
Robbinsdale, MN

JAMES JENKINS, MD
Ochsner Medical Center
New Orleans, LA

RICHARD KOVACH, MD
Deborah Heart and Lung Center
Browns Mills, NJ

VINAY KUMAR, MD
Endovascular Options
Dallas, TX

S. JAY MATHEWS, MD
Bradenton Cardiology Center
Bradenton, FL

CARLOS MENA, MD
Yale School of Medicine
New Haven, CT

PATRICK MUCK, MD
Good Samaritan Hospital
Cincinnati, OH

PRADEEP NAIR, MD
Cardiovascular Institute of the South
Houma, LA

CHRISTOPHER PARIS, MD
St. Charles Parish Hospital
Luling, LA

FADI SAAB, MD
Metro Health Hospital
Wyoming, MI

DAVID SLOVUT, MD, PHD
Montefiore Medical Center
Bronx, NY

ANISH THOMAS, MD
SSM Heart Institute
St. Louis, MO

CRAIG WALKER, MD
Cardiovascular Institute of the South
Houma, LA
Vein Forum

Chairmen
Robert A. Attaran, MD | Ariel D. Soffer, MD | Craig M. Walker, MD

Course Director: Anil K. Chagarlamudi, MD

New Orleans

Join Us Next Year

2018

June 02

PREEMINENT FACULTY • INDUSTRY NETWORKING
HANDS-ON LEARNING • CASE PRESENTATIONS

337.993.7920 | registration@ncvh.org | ncvh.org/vein
Horizons International Peripheral Group (HIPG) is a membership-based organization comprised of the leading innovators, educators and advocates on the subjects of Peripheral Artery Disease (PAD) and Peripheral Vascular Disease (PVD). HIPG is privileged to have some of the industry's preeminent physicians among its members.

**MEMBERSHIP BENEFITS:**
- Investigator-Initiated Trials
- Global Vascular Digest
- Educational Opportunities
- Industry Networking and Development
- Patient Advocacy

HIPG encourages a team approach to limb preservation and the use of interventional and surgical technologies to prevent amputation. Membership is committed to increasing the quality of life and improving outcomes for patients and their families who have entrusted us with their care.
Louisiana State University Training Schedule

Russell C. Klein, MD, Center for Advanced Practice  
Director: Malachi G. Sheahan III, MD  
Claude C. Craighead Jr., Professor and Chair  
Division of Vascular and Endovascular Surgery  
Louisiana State University Health Sciences Center  
New Orleans, LA

Please reference the back of your name badge for group number. Curriculum is designed based on specialty. Please attend the group in which you are assigned.

Group 1  
WEDNESDAY, MAY 31

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 AM</td>
<td>Meet in Roosevelt Lobby (Baronne Street Entrance)</td>
</tr>
<tr>
<td>6:40 AM</td>
<td>Depart Hotel</td>
</tr>
<tr>
<td>6:50 AM</td>
<td>Arrive LSU</td>
</tr>
<tr>
<td>7:00 AM</td>
<td>Introduction/Breakfast</td>
</tr>
<tr>
<td>7:30 AM</td>
<td>Rotation 1</td>
</tr>
<tr>
<td>8:15 AM</td>
<td>Rotation 2</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Rotation 3</td>
</tr>
<tr>
<td>9:45 AM</td>
<td>Rotation 4</td>
</tr>
<tr>
<td>10:30 AM</td>
<td>Depart LSU for Hotel</td>
</tr>
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</table>

Group 2  
WEDNESDAY, MAY 31

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 AM</td>
<td>Meet in Roosevelt Lobby (Baronne Street Entrance)</td>
</tr>
<tr>
<td>10:40 AM</td>
<td>Depart Hotel</td>
</tr>
<tr>
<td>10:50 AM</td>
<td>Arrive LSU</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Introduction/Lunch</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Rotation 1</td>
</tr>
<tr>
<td>12:15 PM</td>
<td>Rotation 2</td>
</tr>
<tr>
<td>1:00 PM</td>
<td>Rotation 3</td>
</tr>
<tr>
<td>1:45 PM</td>
<td>Rotation 4</td>
</tr>
<tr>
<td>2:30 PM</td>
<td>Depart LSU for Hotel</td>
</tr>
</tbody>
</table>
### Louisiana State University Training Schedule

#### Group 3
**WEDNESDAY, MAY 31**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:30 PM</td>
<td>Meet in Roosevelt Lobby (Baronne Street Entrance)</td>
</tr>
<tr>
<td>2:40 PM</td>
<td>Depart Hotel</td>
</tr>
<tr>
<td>2:50 PM</td>
<td>Arrive LSU</td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Introduction/Refreshments</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>Rotation 1</td>
</tr>
<tr>
<td>4:15 PM</td>
<td>Rotation 2</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Rotation 3</td>
</tr>
<tr>
<td>5:45 PM</td>
<td>Rotation 4</td>
</tr>
<tr>
<td>6:30 PM</td>
<td>Depart LSU for Hotel</td>
</tr>
<tr>
<td>6:45 PM</td>
<td>Attend Exhibitor Reception at Hotel</td>
</tr>
</tbody>
</table>

### Hands-On Station Sponsors:

- **AAA - Gore**
- **Atherectomy - Spectranetics/Philips Volcano**
- **SFA - Spectranetics/Philips Volcano**
- **Pedal/Pop Access (Cadavers) - CSI/Siemens/Cook (LSU Perfusion Pumps)**
19th Annual Conference
Chairman: Craig M. Walker, MD

New Orleans

Join Us Next Year

May 30 - June 01

INNOVATION LABS AND WORKSHOPS
PERIPHERAL INTERVENTIONS • MULTISPECIALTY • LATE-BREAKING DATA • LIVE CASES
CRITICAL LIMB ISCHEMIA • PAD • EVAR • TEVAR • RENAL • CAROTID

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Fellows Course
Complex Strategies for Peripheral Interventions

Chairmen
Carlos I. Mena, MD | Craig M. Walker, MD

New Orleans

Join Us Next Year

May 29, 2018

HANDS-ON LEARNING • CADAVER LABS • SIMULATORS • 3D MODELS

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