WELCOME TO

ACP 2018
32ND ANNUAL CONGRESS
November 8-11 • Nashville, TN

American College of Phlebology
SPECIAL THANKS

PROGRAM PLANNING COMMITTEE

Stephen Daugherty, MD, FACS, FACPh, RVT, RPhS  
Program Chair

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Deep Vein Coordinator

Teresa Carman, MD  
Wound Care Coordinator

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Vascular Medicine Coordinator

Sergio Gianesini, MD, PhD  
Abstracts Coordinator

Kathleen Gibson, MD  
Venous and Lymphatic Village Coordinator

Ad Hendrickx, PT, PhD Candidate  
Lymphedema Therapy Coordinator

Margaret Mann, MD, FACPh  
Venous Aesthetics Coordinator

Vineet Mishra, MD, FAAD, FACPh  
Venous Aesthetics Coordinator

Terri Morrison, RN, BS, Voc ED  
Nursing Coordinator

Stanley Rockson, MD, FACP, FACC  
Lymphedema Medicine Coordinator

Sara Skjonsberg, RVT, RPhS  
Ultrasound Coordinator

Sarah Whitehead, ARNP  
Nursing Coordinator

Robert Worthington-Kirsch, MD, FSIR, FCIRSE, FACPh, RVT, RPVI  
Superficial Vein Coordinator
ABSTRACT SELECTION COMMITTEE

Sergio Gianesini, MD, PhD - Committee Chair
Oscar Bottini, MD
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<th>Notes</th>
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<tr>
<td>7:00 AM</td>
<td>8:30 AM <strong>BREAKFAST</strong></td>
<td>Presidential Lobby</td>
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<tr>
<td>8:00 AM</td>
<td>8:25 AM <strong>AESTHETICS IN A PHLEBOLOGY PRACTICE PART I</strong></td>
<td>Ryman Ballroom AD</td>
<td>Moderator: Margaret Mann, MD, FACPh &amp; Vineet Mishra, MD, FAAD, FACPh</td>
<td>CME</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>8:15 AM Cosmetic Sclerotherapy Overview: Choices, Concentration, Compounding</td>
<td></td>
<td>Margaret Mann, MD, FACPh</td>
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<tr>
<td>8:15 AM</td>
<td>8:30 AM Optimizing Results in Sclerotherapy</td>
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<td>Todd Cartee, MD, FAAD</td>
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<tr>
<td>8:30 AM</td>
<td>8:45 AM Sclerotherapy: How We Do It (video presentation)</td>
<td></td>
<td>Daniel Friedmann, MD, FAAD Vineet Mishra, MD, FAAD, FACPh</td>
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<tr>
<td>8:45 AM</td>
<td>9:00 AM Sclerotherapy: Practice Management</td>
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<td>Michael Graves, MD</td>
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<tr>
<td>9:00 AM</td>
<td>9:15 AM How to Incorporate Cosmetic Sclerotherapy</td>
<td></td>
<td>Terri Harper, MSN, APRN, FNP-C</td>
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<tr>
<td>9:15 AM</td>
<td>9:25 AM Question &amp; Answer</td>
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<td>All Faculty</td>
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<tr>
<td>8:00 AM</td>
<td>9:25 AM <strong>VASCULAR MEDICINE JEOPARDY</strong></td>
<td>Ryman Ballroom CF</td>
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<tr>
<td>8:00 AM</td>
<td>8:05 AM Introduction</td>
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<td>Robert Worthington-Kirsch, MD, FSIR, FCIRSE, FACPh, RVT, RPVI</td>
<td>CME</td>
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<tr>
<td>8:05 AM</td>
<td>8:30 AM Anatomy of the Superficial System of the Lower Extremity</td>
<td>Linda Antonucci, RPhS, RVT, RDCS</td>
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<tr>
<td>8:30 AM</td>
<td>9:00 AM Physiology of the Superficial System</td>
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<td>Fedor Lurie, MD, PhD</td>
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<tr>
<td>9:00 AM</td>
<td>9:15 AM Functional Testing of the Superficial System</td>
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<td>Fedor Lurie, MD, PhD</td>
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<tr>
<td>9:15 AM</td>
<td>9:25 AM Panel Discussion</td>
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<td>All Faculty</td>
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<tr>
<td>8:00 AM</td>
<td>9:25 AM <strong>SUPERFICIAL VENOUS ANATOMY &amp; PHYSIOLOGY</strong></td>
<td>Presidential Ballroom D</td>
<td>Moderator: Robert Worthington-Kirsch, MD, FSIR, FCIRSE, FACPh, RVT, RPVI</td>
<td>CME ES</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>8:05 AM Introduction</td>
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<td>Robert Worthington-Kirsch, MD, FSIR, FCIRSE, FACPh, RVT, RPVI</td>
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<tr>
<td>8:05 AM</td>
<td>8:30 AM Treat the Patient, Imaging, or Both?</td>
<td></td>
<td>Steven Elias, MD, FACS, FACPh</td>
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<tr>
<td>8:30 AM</td>
<td>8:45 AM Functional Venous Assessment</td>
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<td>William Marston, MD</td>
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<tr>
<td>8:45 AM</td>
<td>9:00 AM Comprehensive Central Deep Venous Duplex</td>
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<td>Nicos Labropoulos, PhD</td>
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<td>9:00 AM</td>
<td>9:25 AM Panel Discussion</td>
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<td>All Faculty</td>
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## Thursday, November 8th

### 8:00 AM - 9:25 AM  
**Foundations of Venous Ultrasound**  
Presidential Ballroom B  
Moderator: Donna Kelly, RVT, RPhS, RDMS  

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<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
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<tbody>
<tr>
<td>8:00 AM</td>
<td>Unraveling Venous Anatomy of the Lower Extremity</td>
<td>Jessica Farris, MHS, RVT, RPhS</td>
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<tr>
<td>8:15 AM</td>
<td>How to Speak the Venous Language</td>
<td>Bill Schroeder, BS, RVT, RPhS, FSVU</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Enhance the Venous Duplex, Rock Your Clinical Examination Skills</td>
<td>Jeannie White-Melendez, RVT, RPhS</td>
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<tr>
<td>8:45 AM</td>
<td>Go with the Flow - Venous Hemodynamics</td>
<td>Sergio Gianesini, MD, PhD</td>
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<tr>
<td>9:00 AM</td>
<td>Ultrasound and Open Wounds - Things to Consider</td>
<td>Marresa Houle, BS, RVT</td>
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<tr>
<td>9:15 AM</td>
<td>Discussion and Questions</td>
<td>All Faculty</td>
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</tbody>
</table>

### 8:00 AM - 9:25 AM  
**The Future of Diagnostics and Treatment of Lymphedema**  
Presidential Ballroom A  
Moderators: Robyn Bjork, PT, CLWT, CWS, CLT-LANA & Ad Hendrickx, PT  

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:00 AM</td>
<td>Welcome</td>
<td>Ad Hendrickx, PT</td>
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<tr>
<td>8:05 AM</td>
<td>Chronic Care Management, Evidence-Based Practice, and Shared Decision Making</td>
<td>Ad Hendrickx, PT</td>
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<tr>
<td>8:20 AM</td>
<td>Patient Driven Care</td>
<td>Andrea Brennan, OTR/L, CLT-LANA, WCC, CI-CS</td>
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<tr>
<td>8:35 AM</td>
<td>Positive Health, Resilience and Self-Management</td>
<td>Irene Zonderland</td>
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<tr>
<td>8:50 AM</td>
<td>Lymphedema Complexity Score and Impact Scale</td>
<td>Robyn Bjork, PT, CLWT, CWS, CLT-LANA</td>
</tr>
<tr>
<td>9:05 AM</td>
<td>Pathways of Care: Integrating Lymphedema Care and Cancer Care</td>
<td>Nicole Stout, PT, DPT, FAPTA</td>
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<tr>
<td>9:20 AM</td>
<td>Question &amp; Answer</td>
<td>All Faculty</td>
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</tbody>
</table>

### 9:25 AM - 9:35 AM  
**Break**  
Presidential Lobby  

### 9:35 AM - 11:00 AM  
**Pathophysiology of the Superficial System**  
Presidential Ballroom D  
Moderator: Nicos Labropoulos, PhD  

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<thead>
<tr>
<th>Time</th>
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</thead>
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<tr>
<td>9:35 AM</td>
<td>Etiology of Superficial Vein Disease</td>
<td>Nicos Labropoulos, PhD</td>
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<tr>
<td>10:00 AM</td>
<td>Progression of Disease and SVI</td>
<td>Michael Vasquez, MD, FACS, RVT</td>
</tr>
<tr>
<td>10:25 AM</td>
<td>KTS &amp; Other Diseases of the Superficial System</td>
<td>Nick Morrison, MD, FACS, FACPh, RPhS</td>
</tr>
<tr>
<td>10:40 AM</td>
<td>Panel Discussion</td>
<td>All Faculty</td>
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</table>
9:35 AM 11:00 AM  **AESTHETICS IN A PHLEBOLOGY PRACTICE PART II**  
Ryman Ballroom AD  
Moderators: Margaret Mann, MD, FACPh & Vineet Mishra, MD, FAAD, FACPh

9:35 AM 9:55 AM  See My Setup Panel Discussion  
Todd Carter, MD, FAAD  
Daniel Friedmann, MD, FAAD  
Michael Graves, MD  
Margaret Mann, MD, FACPh  
Vineet Mishra, MD, FAAD, FACPh  
Terri Morrison, RN, BS, Voc Ed

9:55 AM 10:05 AM  Point/Counterpoint: Treatment of Facial Veins - Laser  
Todd Carter, MD, FAAD

10:05 AM 10:15 AM  Point/Counterpoint: Treatment of Facial Veins - Sclerotherapy  
Terri Morrison, RN, BS, Voc Ed

10:15 AM 10:30 AM  Treatment of Chest Veins  
Daniel Friedmann, MD, FAAD

10:30 AM 10:45 AM  Hand Rejuvenation: The Role of Sclerotherapy vs. Fillers  
Daniel Friedmann, MD, FAAD  
Vineet Mishra, MD, FAAD, FACPh

10:45 AM 11:00 AM  Panel Discussion  
All Faculty

9:35 AM 11:00 AM  **VASCULAR MEDICINE MÉLANGE**  
Ryman Ballroom CF  
Moderator: John Bartholomew, MD

9:35 AM 9:47 AM  Compression Stockings in Athletes: Helpful or Hype?  
Thom Rooke, MD, FSVM

9:47 AM 9:59 AM  Dercum Disease or Lipedema or Both?  
Karen Herbst, MD, PhD

9:59 AM 10:11 AM  Athletes, Body-Builders and their Pseudo-Varicosities  
Thom Rooke, MD, FSVM

10:11 AM 10:23 AM  Stasis Hyperpigmentation & Dermatitis Mimicry  
Steven Dean, DO, FACP, RPVI

10:23 AM 10:35 AM  DOAC Administration in Unique Patient Populations  
Suman Wasan, MD, MS, FACP, RVT

10:35 AM 10:47 AM  Bizarre Causes of Leg Swelling  
John Bartholomew, MD

10:47 AM 11:00 AM  Panel Discussion  
All Faculty

9:35 AM 11:00 AM  **CENTRAL/PELVIC VENOUS DISORDERS**  
Presidential Ballroom C  
Moderator: Kathleen Gibson, MD

9:35 AM 9:45 AM  How to Recognize Pelvic Venous Disorders - Clinical Clues  
Steven Elias, MD, FACS, FACPh

9:45 AM 9:55 AM  Pelvic Venous Insufficiency - Comprehensive Imaging  
Melvin Rosenblatt, MD, FACPh

9:55 AM 10:05 AM  Pelvic Venous Insufficiency - Interventional Approach  
Carl Black, MD

10:05 AM 10:15 AM  Vulvar Varices: Treat or Wait?  
Kathleen Gibson, MD

10:15 AM 10:25 AM  Persistent Pain After Pelvic Embolization: What Did I Do Wrong?  
Mark Meissner, MD

10:25 AM 10:35 AM  Varicocele Embolization: Indications & Technique  
Carl Black, MD

10:35 AM 11:00 AM  Panel Discussion  
All Faculty
THURSDAY, NOVEMBER 8TH

9:35 AM  11:00 AM  ULTRASOUND: TAKING IT A STEP FURTHER
Presidential Ballroom B

Moderator: Bill Schroedter, BS, RVT, RPhS, FSVU

9:35 AM  9:50 AM  Streamlining the Varicose Vein Duplex
Mariah Elliott, RVT, RPhS

9:50 AM  10:05 AM  Sourcing Non-Saphenous Reflux
Diana Neuhardt, RVT, RPhS

10:05 AM  10:20 AM  Popliteal Vein Compression Syndrome and Other Oddities - How to Think Outside the Box During Your Examination
Jeannie White-Melendez, RVT, RPhS

10:20 AM  10:35 AM  The Role of the Sonographer in the Treatment Room
Linda Antonucci, RPhS, RVT, RDMS

10:35 AM  10:50 AM  EHIT and Other Post-Treatment Complications
Kenneth Harper, MD, FACS, RPhS

10:50 AM  11:00 AM  Discussion and Questions
All Faculty

9:35 AM  11:00 AM  IT IS ALL ABOUT LYMPHATICS
Presidential Ballroom A

Moderators: Andrea Brennan, OTR/L, CLT-LANA, WCC, CI-CS & Ad Hendrickx, PT

9:35 AM  10:10 AM  The Glycocalyx and Lymphedema Continuum
Robyn Bjork, PT, CLWT, CWS, CLT-LANA

10:10 AM  10:45 AM  The Concept of Pre- and Afterload
Robert Damstra, MD, PhD

10:45 AM  10:55 AM  Question & Answer
All Faculty

10:55 AM  11:00 AM  Day 1 Summary
Ad Hendrickx, PT

11:00 AM  1:30 PM  EXHIBIT HALL*
Ryman Hall B

11:00 AM  12:30 PM  LUNCH BREAK*
Ryman Hall B

11:15 AM  12:30 PM  BTG LUNCHEON* (RSVP required)
Washington B

12:15 PM  1:30 PM  NURSING SPECIALTY SECTION MEETING*
Please pick up your lunch in the Exhibit Hall before the meeting
Ryman Ballroom AD

1:30 PM  2:20 PM  CONGRESS WELCOME
Presidential Ballroom D

1:30 PM  1:45 PM  Welcome & Introduction of Guest Speaker
Stephen Daugherty, MD, FACS, FACPh, RVT, RPhS

1:45 PM  2:10 PM  Creating an Elite Culture in a Medical Practice
Sen. Mark Green, MD

2:10 PM  2:20 PM  Panel Discussion
Stephen Daugherty, MD, FACS, FACPh, RVT, RPhS
Sen. Mark Green, MD
Nick Morrison, MD, FACS, FACPh, RPhS
Neil Khilnani, MD, FSIR, FACPh
Marlin Schul, MD, MBA, RVT, FACPh
Chris Pittman, MD, FACPh

*RSVP required for BTG LUNCHEON and NURSING SPECIALTY SECTION MEETING
2:20 PM 4:20 PM  **ABSTRACT SESSION - ACADEMIC EVIDENCE-BASED VENOUS & LYMPHATIC SCIENCE**  
**Moderator: Sergio Gianesini, MD, PhD**

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<td>Abstract Session Opening</td>
<td>Sergio Gianesini, MD, PhD</td>
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<tr>
<td>2:22 PM</td>
<td>Sulodexide Reverses the Decreases in Contraction and Increases in Matrix Metalloproteinase Activity in Veins Under Increased Wall Tension</td>
<td>Joseph Raffetto, MD, FACS, FSVM</td>
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<tr>
<td>2:29 PM</td>
<td>Discussant</td>
<td>Roberto Simkin, MD, PhD</td>
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<tr>
<td>2:32 PM</td>
<td>The Role of Statins in the Management of Venous Thromboembolism</td>
<td>Viknesh Sounderajah, MD</td>
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<td>2:39 PM</td>
<td>Discussant</td>
<td>Fernando Vega Rasgado, MD, PhD</td>
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<tr>
<td>2:42 PM</td>
<td>Venous Leg Ulcers - What is Agreed?</td>
<td>Matthew Tan, MD</td>
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<td>2:49 PM</td>
<td>Discussant</td>
<td>Fernando Vega Rasgado, MD, PhD</td>
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<tr>
<td>2:52 PM</td>
<td>Patterns of Lower Extremity Reflux in Patients with Pelvic Venous Insufficiency</td>
<td>Nicholas Scotti</td>
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<tr>
<td>2:59 PM</td>
<td>Discussant</td>
<td>Makoto Ma, CT</td>
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<tr>
<td>3:02 PM</td>
<td>Post-Operative Anti-Coagulation for Venous Stenting Does Not Improve Stent Patency</td>
<td>Maxwell Tran</td>
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<td>3:09 PM</td>
<td>Discussant</td>
<td>Luis Rodriguez, MD</td>
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<tr>
<td>3:12 PM</td>
<td>Variability in Venous Thromboembolism (VTE) Risk Assessment Tools</td>
<td>Safa Salim, MD</td>
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<td>3:19 PM</td>
<td>Discussant</td>
<td>Eduardo Aguiar</td>
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<tr>
<td>3:22 PM</td>
<td>A Population-Based Assessment of Mortality in Patients with Varicose Veins</td>
<td>Thom Rooke, MD, FSVM</td>
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<tr>
<td>3:29 PM</td>
<td>Discussant</td>
<td>Juan Chunga, MD</td>
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<tr>
<td>3:32 PM</td>
<td>Magnetic Resonance Multi-Sequence Thrombus Imaging (MSTI) in Patients with Acute Iliofemoral Deep Vein Thrombosis Can Predict Thrombus Lysability</td>
<td>Justinas Silickas, MBBS, MRCS</td>
</tr>
<tr>
<td>3:42 PM</td>
<td>Importance of Early Duplex Surveillance in Predicting Risk of Re-Intervention Following Ilio-Femoral Stenting for the Treatment of Post-Thrombotic Syndrome</td>
<td>Adam Gwozdz, MSc, MRCS</td>
</tr>
<tr>
<td>3:52 PM</td>
<td>Fixed-Dose Enoxaparin Prophylaxis is Inadequate for the Majority of Surgical Patients and Inadequate Dosing Predicts Postoperative Venous Thromboembolism</td>
<td>Christopher Pannucci, MD, MS, FAWM</td>
</tr>
<tr>
<td>4:02 PM</td>
<td>A Prospective Safety and Effectiveness Study Using the Endovenous Laser Ablation Technique with a 400 µm Optical Fiber (SeCure Trial)</td>
<td>Kathleen Gibson, MD</td>
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<td>4:20 PM</td>
<td>Question &amp; Answer</td>
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<td>4:20 PM</td>
<td><strong>BREAK</strong></td>
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<tr>
<td>5:00 PM</td>
<td><strong>POSTER ABSTRACT SESSION &amp; RECEPTION</strong></td>
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<td>5:30 PM</td>
<td>&quot;RAISE YOUR GLASS&quot; FOUNDATION TOAST (FOUNDATION FUNDRAISER)</td>
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<tr>
<td>6:00 PM</td>
<td><strong>OPENING RECEPTION</strong></td>
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<td>7:00 AM</td>
<td><strong>BREAKFAST</strong>&lt;sup&gt;*&lt;/sup&gt;</td>
<td>Presidential Lobby</td>
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<tr>
<td>7:00 AM</td>
<td><strong>JUZO BREAKFAST</strong>&lt;sup&gt;+&lt;/sup&gt; (RSVP required)</td>
<td>Washington B</td>
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<tr>
<td>8:00 AM</td>
<td><strong>SOCIETY FOR VASCULAR ULTRASOUND (SVU) SYMPOSIUM</strong></td>
<td>Presidential Ballroom B</td>
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<tr>
<td>8:00 AM - 8:15 AM</td>
<td>Non-Invasive Vascular LCD-Palmetto/Medicare Joint Advocacy Update</td>
<td>Josh Lee, BS, RVT</td>
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<tr>
<td>8:15 AM - 8:30 AM</td>
<td>High Level Disinfectants vs. Low Level Disinfectants: Is Compromise a Dirty Word?</td>
<td>Linda Antonucci, RPhS, RVT, RDCS</td>
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<tr>
<td>8:30 AM - 8:45 AM</td>
<td>Arterial Testing in the Vein Center - Who, When and How?</td>
<td>Bill Schroedter, BS, RVT, RPhS, FSVU</td>
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<tr>
<td>8:45 AM - 9:00 AM</td>
<td>The Problem is Arterial: What is the Next Step? Open &amp; Endovascular Interventions for Wound Healing</td>
<td>Patrick Stone, MD</td>
</tr>
<tr>
<td>9:00 AM - 9:15 AM</td>
<td>Understanding Musculoskeletal Injuries in Sonography</td>
<td>Paula Heggerick, BS, RVT, RPhS, FSVU</td>
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<td>All Faculty</td>
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<td><strong>BEYOND VARICOSE VEINS: COMPLEX VENOUS DISORDER MANAGEMENT</strong></td>
<td>Ryman Ballroom AD</td>
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<td>Vascular Malformations</td>
<td>Catherine Burdge, APRN</td>
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<td>8:15 AM - 8:30 AM</td>
<td>SVT and DVT: New Treatment Guidelines</td>
<td>Heidi Atkins, PA, RPhS</td>
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<td>Pelvic Venous Disorders</td>
<td>Sandra French, NP</td>
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<td>Lymphedema</td>
<td>Andrea Brennan, OTR/L, CLT-LANA, WCC, CI-CS</td>
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<td><strong>EVALUATION OF THE SUPERFICIAL SYSTEM</strong></td>
<td>Presidential Ballroom D</td>
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<td>8:00 AM - 8:05 AM</td>
<td>Introduction</td>
<td>Marlin Schul, MD, MBA, RVT, FACPh</td>
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<td>8:05 AM - 8:25 AM</td>
<td>History and Physical Examination</td>
<td>Joann Lohr, MD</td>
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<td>8:25 AM - 8:55 AM</td>
<td>Measurable Outcomes</td>
<td>Marlin Schul, MD, MBA, RVT, FACPh</td>
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<tr>
<td>8:55 AM - 9:05 AM</td>
<td>Is Functional Testing Relevant in Modern SVI Diagnosis? - PRO</td>
<td>Chris Lattimer, MD</td>
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<tr>
<td>9:05 AM - 9:15 AM</td>
<td>Is Functional Testing Relevant in Modern SVI Diagnosis? - CON</td>
<td>Joann Lohr, MD</td>
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<tr>
<td>9:15 AM - 9:25 AM</td>
<td>Panel Discussion</td>
<td>All Faculty</td>
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## Iliocaval Interventions

**Moderator:** Mark Meissner, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>8:00 AM</td>
<td>Introduction</td>
<td>Mark Meissner, MD</td>
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<tr>
<td>8:05 AM</td>
<td>Difficult IVC Filter Removal - Pearls</td>
<td>Kush Desai, MD</td>
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<tr>
<td>8:15 AM</td>
<td>The Role of IVUS in Iliocaval Interventions</td>
<td>Mark Meissner, MD</td>
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<tr>
<td>8:25 AM</td>
<td>Who Benefits from Venous Stenting?</td>
<td>Antonios Gasparis, MD</td>
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<tr>
<td>8:35 AM</td>
<td>Optimizing Primary Venous Stent Patency</td>
<td>Patricia Thorpe, MD</td>
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<tr>
<td>8:45 AM</td>
<td>Dedicated Venous Stent Trials</td>
<td>William Marston, MD</td>
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<tr>
<td>8:55 AM</td>
<td>Panel Discussion</td>
<td>All Faculty</td>
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## Lymphedema Is the Major Disease of the Lymphatic Circulation

**Moderator:** Bradon Dixon, MD

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<thead>
<tr>
<th>Time</th>
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<tr>
<td>8:00 AM</td>
<td>Lymphatic Vascular Structure and Anatomy</td>
<td>Stanley Rockson, MD, FACP, FACC</td>
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<tr>
<td>8:10 AM</td>
<td>Lymphatic Pump Physiology and Immune Function</td>
<td>Brandon Dixon, MD</td>
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<tr>
<td>8:30 AM</td>
<td>Lymphedema Clinical Presentation and Natural History</td>
<td>Stanley Rockson, MD, FACP, FACC</td>
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<tr>
<td>8:50 AM</td>
<td>Lymphedema Physical Examination and Staging</td>
<td>Steven Dean, DQ, FACP, RPVI</td>
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<td>8:50 AM</td>
<td>Lymphedema Genetics</td>
<td>Francine Blei, MD, MD</td>
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<td>9:00 AM</td>
<td>Lymphedema Differential Diagnosis</td>
<td>Stanley Rockson, MD, FACP, FACC</td>
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<tr>
<td>9:10 AM</td>
<td>Lymphedema Physical Management Strategies</td>
<td>Ad Hendrickx, PT</td>
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<tr>
<td>9:20 AM</td>
<td>Question &amp; Answer</td>
<td>All Faculty</td>
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## Wound Care: What Am I Missing?

**Moderator:** Geoff Barnes, MD, MSc & Teresa Carman, MD

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>8:00 AM</td>
<td>Wound Care: Starting with the Basics</td>
<td>Teresa Carman, MD</td>
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<tr>
<td>8:12 AM</td>
<td>Edema - Why Aren’t Diuretics Working?</td>
<td>Thom Rooke, MD, FSVM</td>
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<tr>
<td>8:24 AM</td>
<td>Physiology of Compression</td>
<td>Giovanni Mosti, MD</td>
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<tr>
<td>8:36 AM</td>
<td>Compression: Practical Application</td>
<td>John Bartholomew, MD</td>
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<tr>
<td>8:48 AM</td>
<td>Role of Pumps in Venous &amp; Arterial Wound Healing</td>
<td>Teresa Carman, MD</td>
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<tr>
<td>9:00 AM</td>
<td>Pharmacologic Therapy in Chronic Venous Disease</td>
<td>Steven Dean, DQ, FACP, RPVI</td>
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<tr>
<td>9:12 AM</td>
<td>CTPs as Adjuncts to Healing</td>
<td>Mary Farnham, MSN, ARNP</td>
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**Break**
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:35 AM</td>
<td>Sclerotherapy Complications</td>
<td>Ryman Ballroom AD</td>
<td>Jessica Ochs, PA-C</td>
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<tr>
<td>10:00 AM</td>
<td>Debate: Sclerotherapy Technique</td>
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<td>Terri Harper, MSN, APRN, FNP-C</td>
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<td>10:15 AM</td>
<td>Question &amp; Answer</td>
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<td>10:25 AM</td>
<td>Sclerotherapy Video &amp; Mock Visit</td>
<td>All Faculty</td>
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<tr>
<td>9:35 AM</td>
<td>Evidence-Based Approach to PE and DVT Management</td>
<td>Presidential Ballroom C</td>
<td>Patricia Thorpe, MD</td>
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<tr>
<td>9:45 AM</td>
<td>ATTRACT - Is It Malpractice to Treat Acute DVT?</td>
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<td>Anthony Comerota, MD, FACS</td>
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<tr>
<td>10:05 AM</td>
<td>Acute Illofemoral DVT - Technical Approach</td>
<td>Carl Black, MD</td>
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<tr>
<td>10:15 AM</td>
<td>Acute and Chronic IVC Disease: What To Do?</td>
<td>Kash Desai, MD</td>
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<tr>
<td>10:25 AM</td>
<td>Axillo-Subclavian Vein Thrombosis</td>
<td>Melvin Rosenblatt, MD, FACPh</td>
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<tr>
<td>10:35 AM</td>
<td>Submassive and Massive PE: Interventional Management</td>
<td>Anthony Comerota, MD, FACS</td>
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<td>10:35 AM</td>
<td>Panel Discussion</td>
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<tr>
<td>9:35 AM</td>
<td>Duplex Ultrasound Evaluation of SVI</td>
<td>Presidential Ballroom D</td>
<td>Linda Antonucci, RPhS, RVT RDCS</td>
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<td>10:00 AM</td>
<td>Study Optimization</td>
<td>Domenic Zambuto, MD</td>
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<tr>
<td>10:30 AM</td>
<td>Issues in Pre-Authorization</td>
<td>Mark Meissner, MD</td>
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<tr>
<td>10:45 AM</td>
<td>Panel Discussion</td>
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<td>9:35 AM</td>
<td>Non-Invasive Lymphatic Imaging Techniques</td>
<td>Presidential Ballroom A</td>
<td>David Hovsepian, MD</td>
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<td>9:50 AM</td>
<td>Head and Neck Lymphedema</td>
<td>Barbara Murphy, MD</td>
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<td>10:05 AM</td>
<td>Lymphatic Vascular Anomalies</td>
<td>Francine Blei, MD, MBA</td>
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<tr>
<td>10:20 AM</td>
<td>Lymphatic Vascular Interventions</td>
<td>Maxim Itkin, MD</td>
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<td><strong>LYMPHATIC DISEASE - EVALUATION AND COMPLEX MANAGEMENT (Continued)</strong></td>
<td>Presidential Ballroom A</td>
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<td>10:35 AM</td>
<td>Lymphedema Debulking and Microsurgical Techniques</td>
<td>Mark Smith, MD</td>
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<tr>
<td>10:55 AM</td>
<td>Question &amp; Answer</td>
<td>All Faculty</td>
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<tr>
<td>9:35 AM</td>
<td><strong>THE WOUND WON'T HEAL - NOW WHAT?</strong></td>
<td>Ryman Ballroom CF</td>
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<td></td>
<td>Moderators: Joe Raffetto, MD, FACS, FSVM &amp;</td>
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<td>Mark Malouf, MD, FRACS</td>
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<tr>
<td>9:47 AM</td>
<td>Venous Leg Ulcer Mimics</td>
<td>Mark Malouf, MD, FRACS</td>
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<tr>
<td>9:59 AM</td>
<td>Dermatologic Complications Associated with Ulcer Management</td>
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<tr>
<td>10:11 AM</td>
<td>Phlebolymphedema and Wound Healing - Is It Different?</td>
<td>Mark Malouf, MD, FRACS</td>
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<td>10:23 AM</td>
<td>Inflammation and Wound Healing: Friend or Foe?</td>
<td>Joseph Raffetto, MD, FACS, FSVM</td>
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<td>10:35 AM</td>
<td>Role of Venous Outflow Obstruction in Venous Ulcers - Where Do We Look First?</td>
<td>Fedor Lurie, MD, PhD</td>
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<td>10:47 AM</td>
<td>Predicting Ulcer Recurrence</td>
<td>Joseph Raffetto, MD, FACS, FSVM</td>
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<tr>
<td>11:00 AM</td>
<td>Panel Discussion</td>
<td>All Faculty</td>
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<tr>
<td>9:35 AM</td>
<td><strong>DUPLEX ULTRASOUND FOR PELVIC VENOUS DISORDERS</strong></td>
<td>Presidential Ballroom B</td>
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<td>Moderator: Diana Neuhardt, RVT, RPhS</td>
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<tr>
<td>9:50 AM</td>
<td>Pathophysiology of Pelvic Venous Disease</td>
<td>Mark Meissner, MD</td>
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<td>10:05 AM</td>
<td>Duplex Ultrasound for the Diagnosis of Pelvic Venous Disease</td>
<td>Nicos Labropoulos, PhD</td>
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<td>10:20 AM</td>
<td>Recognizing Pelvic Organ Pathology</td>
<td>Philomina Duesdieker, RDMS, BS, RVT</td>
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<td>10:35 AM</td>
<td>Pelvic/Abdominal Venous Case Studies</td>
<td>Mariah Elliott, RVT, RPhS</td>
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<td>11:00 AM</td>
<td>Discussion and Questions</td>
<td>All Faculty</td>
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<td>11:00 AM</td>
<td><strong>EXHIBIT HALL</strong></td>
<td>Ryman Hall B</td>
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<td>11:00 AM</td>
<td><strong>LUNCH BREAK</strong></td>
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<td>11:15 AM</td>
<td><strong>MEDTRONIC LUNCHEON</strong> (RSVP required)</td>
<td>Washington B</td>
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<tr>
<td>12:15 PM</td>
<td><strong>ULTRASOUND SPECIALTY SECTION MEETING</strong></td>
<td>Ryman Ballroom AD</td>
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*Please pick up your lunch in the Exhibit Hall before the meeting*
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<th>Presenter(s)</th>
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<tbody>
<tr>
<td>1:30 PM</td>
<td>Welcome &amp; Introduction</td>
<td>Presidential Ballroom D</td>
<td>Stephen Daugherty, MD, FACS, FACPh, RVT, RPhS</td>
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<td>1:35 PM</td>
<td>Keynote Address</td>
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<td>Juan Schaening, MD</td>
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<td>2:00 PM</td>
<td>Panel Discussion</td>
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<td>Stephen Daugherty, MD, FACS, FACPh, RVT, RPhS Nick Morrison, MD, FACS, FACPh, RVT, RPhS Neil Khilnani, MD, FSIR, FACPh Marlin Schul, MD, MBA, RVT, FACPh Chris Pittman, MD, FACPh Elna Masuda, MD</td>
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<td>2:15 PM</td>
<td>Improving Wisely</td>
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<td>Martin Makary, MD</td>
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<td>2:40 PM</td>
<td>ACP Improving Wisely Update</td>
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<td>Margaret Mann, MD, FACPh</td>
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<tr>
<td>2:45 PM</td>
<td>The Value of Appropriate Use Criteria in Venous Care</td>
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<td>Elna Masuda, MD</td>
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<td>2:55 PM</td>
<td>EU Approach</td>
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<td>Robert Damstra, MD, PhD</td>
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<td>3:15 PM</td>
<td>Improving Wisely</td>
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<td>Martin Makary, MD</td>
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<td>3:25 PM</td>
<td>ACP Improving Wisely Update</td>
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<td>Margaret Mann, MD, FACPh</td>
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<td>3:35 PM</td>
<td>The Economics of Obesity</td>
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<td>Zoe Deol, MD, FACS</td>
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<td>3:45 PM</td>
<td>ACP PRO Registry - Epidemiology Study</td>
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<td>Marlin Schul, MD, MBA, RVT, FACPh</td>
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<td>3:55 PM</td>
<td>ACP PRO Registry - Endovenous Ablation Study</td>
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<td>Yung-Wei Chi DO, FAHA, FSVM, FACPh</td>
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<td>4:15 PM</td>
<td>ABVLM Update &amp; Diplomate Recognition</td>
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<td>Anthony Comerota, MD, FACS</td>
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<td>4:15 PM</td>
<td>ACP BUSINESS MEETING*</td>
<td>Presidential Ballroom D</td>
<td>Neil Khilnani, MD, FSIR, FACPh</td>
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<td>5:30 PM</td>
<td>&quot;RAISE YOUR GLASS* FOUNDATION TOAST* (TICKETED EVENT)</td>
<td>Presidential Lobby</td>
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<td>6:00 AM</td>
<td><strong>ACPF Fun Run and Walk</strong> <em>(Ticketed Event)</em></td>
<td>Presidential Portico</td>
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<td>7:00 AM</td>
<td><strong>Breakfast</strong></td>
<td>Presidential Lobby</td>
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<td>7:00 AM</td>
<td><strong>CVR Breakfast</strong> <em>(RSVP required)</em></td>
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<tr>
<td>8:00 AM</td>
<td><strong>Wounds of Wisdom: Wound Care Updates</strong></td>
<td>Ryman Ballroom AD</td>
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<td>8:00 AM</td>
<td>Venous Ulcer Management</td>
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<td>Mary Farnham, MSN, ARNP</td>
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<td>8:30 AM</td>
<td>Updated Wound Care Modalities</td>
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<td>Mary Sieggreen, MSN, RN, CS, NP, CVN</td>
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<td>8:45 AM</td>
<td>Compression Wraps</td>
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<td>Terri Morrison, RN, BS, Voc Ed</td>
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<td>9:00 AM</td>
<td>Use of Venotonic Drugs in Patients with Chronic Venous Disease</td>
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<td>Kristan Probeck, ANP-C</td>
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<td>9:15 AM</td>
<td>Question &amp; Answer</td>
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<td>8:00 AM</td>
<td><strong>Treatment of Truncal Vein Disease</strong></td>
<td>Presidential Ballroom D</td>
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<tr>
<td>8:00 AM</td>
<td>Introduction</td>
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<td>Domenic Zambuto, MD</td>
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<td>8:05 AM</td>
<td>Protocol Development</td>
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<td>Domenic Zambuto, MD</td>
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<td>8:20 AM</td>
<td>Selection of Technology</td>
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<td>Kathleen Gibson, MD</td>
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<td>8:35 AM</td>
<td>Procedure Techniques</td>
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<td>Robert Worthington-Kirsch, MD, FSIR, FCIRSE, FACPh, RVT, RPVI</td>
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<td>8:50 AM</td>
<td>Complications &amp; Management</td>
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<td>Robert Worthington-Kirsch, MD, FSIR, FCIRSE, FACPh, RVT, RPVI</td>
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<td>9:05 AM</td>
<td>Panel Discussion</td>
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<td>8:00 AM</td>
<td><strong>Pts and Chronic Veno-Occlusive Disease</strong></td>
<td>Presidential Ballroom C</td>
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<tr>
<td>8:00 AM</td>
<td>Introduction</td>
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<td>Patricia Thorpe, MD</td>
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<td>8:05 AM</td>
<td>ACCESS: How Should Results Impact Your Practice?</td>
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<td>Mark Garcia, MD, FSIR, FACR</td>
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<td>8:15 AM</td>
<td>C-TRACT: Why?</td>
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<td>Chronic Suprainguinal Disease - Iliac/IVC</td>
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<td>Mark Garcia, MD, FSIR, FACR</td>
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<td>Chronic Infrainguinal Deep Disease - Femoral/Popliteal</td>
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<td>8:45 AM</td>
<td>C5/C6 Disease: Treat Reflux or Obstruction First</td>
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<td>William Marston, MD</td>
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<td>8:55 AM</td>
<td>Panel Discussion</td>
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<td>All Faculty</td>
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<td>8:00 AM</td>
<td><strong>THROMBOSIS SUMMIT</strong></td>
<td>Ryman Ballroom CF</td>
<td>Moderator: Thom Rooke, MD, FSVM</td>
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<td>8:00 AM</td>
<td>Treatment of Cancer Associated VTE: VKA, LMWH, or DOAC?</td>
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<td>John Bartholomew, MD</td>
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<td>8:12 AM</td>
<td>Extended Post Hospitalization and Surgical Venous Thromboprophylaxis - What? Who? How Long?</td>
<td></td>
<td>Suman Wasan, MD, MS, FACP, RVT</td>
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<td>8:24 AM</td>
<td>Medical vs. Surgical Provoked VTE - Do the Outcome and Therapy Differ?</td>
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<td>Teresa Carman, MD</td>
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<td>8:36 AM</td>
<td>An Underappreciated Yet Common Cause of Thrombophilia</td>
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<td>Thom Rooke, MD, FSVM</td>
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<tr>
<td>8:48 AM</td>
<td>Management of Upper Extremity Deep Venous Thrombosis: An Evidence-Based Approach</td>
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<td>Suman Wasan, MD, MS, FACP, RVT</td>
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<tr>
<td>9:00 AM</td>
<td>Anticoagulation in Thrombophilia: Treat the Genotype…or Phenotype?</td>
<td></td>
<td>Teresa Carman, MD</td>
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8:00 AM-9:25 AM  | **CONSEQUENCES FOR DAILY PRACTICE: EARLY RECOGNITION, MLD, COMPRESSION & EXERCISE** | Presidential Ballroom A | Moderators: Robert Damstra, MD, PhD & Ad Hendrickx, PT |
| 8:00 AM | Welcome and Review of Days 1 & 2                                    | Presidential Ballroom A | Ad Hendrickx, PT                     |
| 8:10 AM | Obesity and Lack of Physical Activity as Main Risk Factors          | Presidential Ballroom A | Nicole Stout, PT, DPT, FAPTA         |
| 8:35 AM | Guided MLD                                                           | Presidential Ballroom A | Heather Hettrick, PT, PhD, CWS, CLT, CLT-LANA |
| 9:00 AM | Compression Therapy Through the Lymphedema Continuum: Compression Selection Algorithm | Presidential Ballroom A | Robyn Bjork, PT, CLWT, CWS, CLT-LANA |

8:00 AM-9:25 AM  | **LIVE ULTRASOUND SCANNING & DISCUSSION** | Presidential Ballroom B | Moderators: Mark Meissner, MD & Bill Schroedter, BS, RVT, RPhS, FSVU |
| 8:00 AM | Clinical Exam and the Deep Venous System                             | Presidential Ballroom B | Donna Kelly, RVT, RPhS, RDMS         |
| 8:20 AM | Superficial Venous System                                            | Presidential Ballroom B | Aleata Rigsby, RVT, RPhS             |
| 8:40 AM | Identifying Important Nerves                                          | Presidential Ballroom B | Marresa Houle, BS, RVT               |
| 9:00 AM | Pelvic Venous System                                                 | Presidential Ballroom B | Sara Skjonsberg, RVT, RPhS           |
**American Venous Forum (AVF) Symposium: Clinical Scenarios & Strategies for Combined Superficial & Deep Venous Disease**

**Moderator:** Elna Masuda, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:35 AM</td>
<td>Superficial Vein Disease and Infra-Inguinal Deep Vein Disease</td>
<td>Antonios Gasparis, MD</td>
</tr>
<tr>
<td>9:43 AM</td>
<td>Popliteal Venous Aneurysm and Varicose Veins: Case Review &amp; Discussion</td>
<td>Harold Welch, MD</td>
</tr>
<tr>
<td>9:51 AM</td>
<td>The Importance of Eliminating Below Knee Venous Reflux for Ulcer Healing and the EVRA Trial</td>
<td>Elna Masuda, MD</td>
</tr>
<tr>
<td>9:59 AM</td>
<td>Complex Axial Reflux: Extended Definition of Pathological Perforators</td>
<td>Fedor Lurie, MD, PhD</td>
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<tr>
<td>10:07 AM</td>
<td>Biologics in the Treatment of Combined Disease with Ulcers</td>
<td>BK Lal, MD</td>
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<tr>
<td>10:15 AM</td>
<td>Link Between Morphology of Iliac Veins and Outcomes</td>
<td>Lowell Kabnick, MD, FACS, FACPh, RPhS</td>
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<tr>
<td>10:23 AM</td>
<td>Saphenous Reflux and Iliac Obstruction: How do we Decide Which to Treat and in What Order?</td>
<td>William Marston, MD</td>
</tr>
<tr>
<td>10:31 AM</td>
<td>Panel Discussion</td>
<td>All Faculty</td>
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</table>

**Lawyer Up: Proactively Prevent & Protect Yourself from Medical Liability**

**Moderator:** Sarah Whitehead, ARNP

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<tr>
<th>Time</th>
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<th>Presenter(s)</th>
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<tr>
<td>9:35 AM</td>
<td>OSHA/Policy</td>
<td>Michelle McEvoy, MSN/Ed, RN-BC</td>
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<tr>
<td>9:55 AM</td>
<td>Legal Documentation and Tips to Prevent Litigation</td>
<td>Rhianna Fronapfel, JD</td>
</tr>
<tr>
<td>10:50 AM</td>
<td>Question &amp; Answer</td>
<td>All Faculty</td>
</tr>
</tbody>
</table>

**Treatment of Non-Truncal Vein Disease**

**Moderator:** Nick Morrison, MD, FACS, FACPh, RPhS

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>9:35 AM</td>
<td>Selection of Technology - Liquid vs. Foam vs. Phlebectomy</td>
<td>Kathleen Gibson, MD</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Procedure Techniques</td>
<td>Marlin Schul, MD, MBA, RVT, FACPh</td>
</tr>
<tr>
<td>10:30 AM</td>
<td>Complications &amp; Management</td>
<td>Nick Morrison, MD, FACS, FACPh, RPhS</td>
</tr>
<tr>
<td>10:45 AM</td>
<td>Panel Discussion</td>
<td>All Faculty</td>
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**Cutting Edge, Controversies & Debates**

**Moderator:** Steven Elias, MD, FACS, FACPh

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>9:35 AM</td>
<td>Post-Intervention Anticoagulation</td>
<td>Patricia Thorpe, MD</td>
</tr>
<tr>
<td>9:45 AM</td>
<td>The Hypercoagulable Work-Up: When and How?</td>
<td>Suman Wasan, MD, MS, FACP, RVT</td>
</tr>
<tr>
<td>9:55 AM</td>
<td>Approach to Mixed Venous &amp; Arterial Disease</td>
<td>Juliane Stoughton, MD, FACS</td>
</tr>
<tr>
<td>10:05 AM</td>
<td>Primary &amp; Secondary Deep Venous Insufficiency - Open Surgical &amp; Endovascular Options</td>
<td>Steven Elias, MD, FACS, FACPh</td>
</tr>
</tbody>
</table>
### SATURDAY, NOVEMBER 10TH

#### 9:35 AM - 11:00 AM  **CUTTING EDGE, CONTROVERSIES & DEBATES**

**Continued**

**Presidential Ballroom C**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>10:15 AM</td>
<td>Chronic Deep Venous Insufficiency: Any Role for Compression?</td>
<td>Suman Wasan, MD, MS, FACP, RVT</td>
</tr>
<tr>
<td>10:25 AM</td>
<td>Office Angiosuite: Worth Attempting?</td>
<td>Mark Garcia, MD, FSIR, FACR</td>
</tr>
<tr>
<td>10:35 AM</td>
<td>Panel Discussion</td>
<td>All Faculty</td>
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#### 9:35 AM - 11:00 AM  **QUALITY ASSURANCE FOR THE VASCULAR LABORATORY**

**Presidential Ballroom B**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>9:35 AM</td>
<td>False Negatives, False Positives and Just Plain False</td>
<td>Diana Neuhardt, RVT, RPhS</td>
</tr>
<tr>
<td>9:50 AM</td>
<td>The New IAC Requirements for Lower Extremity Venous Duplex &amp; How to Implement Them</td>
<td>Marge Hutchisson, RVT, RDCS</td>
</tr>
<tr>
<td>10:05 AM</td>
<td>Examining Our Vascular Lab Criteria</td>
<td>Paula Heggerick, BS, RVT, RPhS, FSVU</td>
</tr>
<tr>
<td>10:20 AM</td>
<td>Accreditation &amp; Certification</td>
<td>Paula Heggerick, BS, RVT, RPhS, FSVU</td>
</tr>
<tr>
<td>10:35 AM</td>
<td>Why Did We Miss This? A Case Study Conversation</td>
<td>Jeannie White-Melendez, RVT, RPhS</td>
</tr>
<tr>
<td>10:50 AM</td>
<td>Discussion and Questions</td>
<td>All Faculty</td>
</tr>
</tbody>
</table>

#### 9:35 AM - 11:00 AM  **LIPEDEMA**

**Ryman Ballroom CF**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>9:35 AM</td>
<td>The Clinical Examination of Lipedema</td>
<td>John Bartholomew, MD</td>
</tr>
<tr>
<td>9:47 AM</td>
<td>What’s the Difference Between Lipedema, Lipohypertrophy, Obesity, and Steatopygia?</td>
<td>Karen Herbst, MD, PhD</td>
</tr>
<tr>
<td>9:59 AM</td>
<td>Everything You Want to Know About Liposuction for Lipedema</td>
<td>Mark Smith, MD</td>
</tr>
<tr>
<td>10:14 AM</td>
<td>Vasospatic Disease and Lipedema - A Livid Connection?</td>
<td>Steven Dean, DO, FACP, RPVI</td>
</tr>
<tr>
<td>10:26 AM</td>
<td>Lipedema and Ehlers Danlos Syndrome - Is There a &quot;Loose&quot; Association?</td>
<td>Karen Herbst, MD, PhD</td>
</tr>
<tr>
<td>10:38 AM</td>
<td>The Medical Cookbook of Lipedema Therapy: Meds, Compression, Etc.</td>
<td>Karen Herbst, MD, PhD</td>
</tr>
<tr>
<td>10:50 AM</td>
<td>Panel Discussion</td>
<td>All Faculty</td>
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</table>

#### 9:35 AM - 11:00 AM  **CONSEQUENCES FOR DAILY PRACTICE: COMPRESSION, SELF-MANAGEMENT & PATIENT EMPOWERMENT**

**Presidential Ballroom A**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:35 AM</td>
<td>Patients’ Readiness for Change</td>
<td>Andrea Brennan, OTR/L, CLF-LANA, WCC, CI-CS</td>
</tr>
<tr>
<td>9:50 AM</td>
<td>How to Empower Your Patients</td>
<td>Irene Zonderland</td>
</tr>
<tr>
<td>10:05 AM</td>
<td>Balancing Between Hands-On &amp; Hands-Off</td>
<td>Ad Hendrickx, PT</td>
</tr>
<tr>
<td>10:15 AM</td>
<td>Debate</td>
<td>Ad Hendrickx, PT</td>
</tr>
<tr>
<td>10:55 AM</td>
<td>Summary</td>
<td>Ad Hendrickx, PT</td>
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</table>
11:00 AM 1:30 PM  **EXHIBIT HALL**  
Ryman Hall B

11:00 AM 12:30 PM  **LUNCH BREAK**  
Ryman Hall B

11:15 AM 12:15 PM  **ANGIODYNAMICS LUNCHEON** *(RSVP required)*  
Washington B

12:00 PM 1:15 PM  **LYMPHEDEMA SPECIALTY SECTION MEETING**  
Please pick up your lunch in the Exhibit Hall before the meeting  
Ryman Ballroom AD

1:30 PM 2:50 PM  **ABSTRACT SESSION - INNOVATIONS**  
Presidential Ballroom D

<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract Session Opening</th>
<th>Discussion</th>
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<tbody>
<tr>
<td>1:30 PM - 1:32 PM</td>
<td>Abstract Session Opening</td>
<td>Sergio Gianesini, MD, PhD</td>
</tr>
<tr>
<td>1:32 PM - 1:39 PM</td>
<td>Innovative Simultaneous Emission of 532 and 808 nm Transdermal Diode Laser for Telangiectasia Treatment</td>
<td>Angelo Crippa, MD</td>
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<tr>
<td>1:39 PM - 1:42 PM</td>
<td>Discussant</td>
<td>Julio Ferreira, MD</td>
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<tr>
<td>1:42 PM - 1:49 PM</td>
<td>A New Technology Significantly More Effective in Improving Venous Pumping Function Than Compression stockings</td>
<td>Giovanni Mosti, MD</td>
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<tr>
<td>1:49 PM - 1:52 PM</td>
<td>Discussant</td>
<td>Alejandro La Torre, MD</td>
</tr>
<tr>
<td>1:52 PM - 1:59 PM</td>
<td>Do Characteristics of Superficial Vein Thrombosis Predict Progression? A Venous Duplex Ultrasound Study</td>
<td>Douglas Wooster, MD</td>
</tr>
<tr>
<td>1:59 PM - 2:02 PM</td>
<td>Discussant</td>
<td>Oscar Bottini, MD</td>
</tr>
<tr>
<td>2:02 PM - 2:09 PM</td>
<td>Incorporating New Technology for Ambulatory Compression: An Intelligent Pressure Device Applies Pressures Appropriate for Each Postural Position</td>
<td>Giovanni Mosti, MD</td>
</tr>
<tr>
<td>2:09 PM - 2:12 PM</td>
<td>Discussant</td>
<td>Alejandro La Torre, MD</td>
</tr>
<tr>
<td>2:12 PM - 2:19 PM</td>
<td>The Venoarteriolar Reflex is Abnormal in the Legs of Women with Stage 2 and 3 Lipedema Compared to Controls</td>
<td>Kiana Burnett, MD</td>
</tr>
<tr>
<td>2:19 PM - 2:22 PM</td>
<td>Discussant</td>
<td>Juan Patt, MD</td>
</tr>
<tr>
<td>2:22 PM - 2:29 PM</td>
<td>Lower Extremity Venous Lesions in Patients with Chronic Thromboembolic Pulmonary Hypertension Who Underwent Pulmonary Endarterectomy</td>
<td>Yoshiyuki Kobayashi, MD</td>
</tr>
<tr>
<td>2:29 PM - 2:32 PM</td>
<td>Discussant</td>
<td>Eduardo Aguiar,</td>
</tr>
<tr>
<td>2:32 PM - 2:39 PM</td>
<td>Non Catheter-Based Cyanoacrylate Embolization for Tortuous Great Saphenous Veins</td>
<td>Naoki Sakakibara, MD</td>
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<td>2:39 PM - 2:42 PM</td>
<td>Discussant</td>
<td>Ravul Jindal, MD</td>
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<tr>
<td>2:42 PM - 2:50 PM</td>
<td>Question &amp; Answer</td>
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2:50 PM 3:42 PM  **ABSTRACT SESSION - YOUNG INVESTIGATOR VWIN FOUNDATION JOINT SESSION**  
Presidential Ballroom D

<table>
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<tr>
<th>Time</th>
<th>Abstract Session Opening</th>
<th>Discussion</th>
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<tr>
<td>2:50 PM - 2:52 PM</td>
<td>Abstract Session Opening</td>
<td>Sergio Gianesini, MD, PhD</td>
</tr>
<tr>
<td>2:52 PM - 2:59 PM</td>
<td>Frequency &amp; Severity of Hypersensitivity Reactions in Patients with Cyanoacrylate</td>
<td>Kathleen Gibson, MD</td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td>Location</td>
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<tr>
<td>2:50 PM</td>
<td>ABSTRACT SESSION - YOUNG INVESTIGATOR VWIN FOUNDATION JOINT SESSION (Continued)</td>
<td>Presidential Ballroom D</td>
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<tr>
<td>2:59 PM</td>
<td>Discussant</td>
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<tr>
<td>3:02 PM</td>
<td>Duplex Ultrasound Features in Chronic Venous Disease - A Single Centre Experience</td>
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</tr>
<tr>
<td>3:09 PM</td>
<td>Discussant</td>
<td></td>
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<tr>
<td>3:12 PM</td>
<td>Domains, Reliability and Validity of the Brazilian Portuguese Version of the CIVIQ-20 Among Female Patients with Venous Insufficiency</td>
<td>Presidential Ballroom D</td>
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<tr>
<td>3:19 PM</td>
<td>Discussant</td>
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<tr>
<td>3:22 PM</td>
<td>An Observational Study of Chronic Venous Disease in Northwest China</td>
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<td>3:29 PM</td>
<td>Discussant</td>
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<tr>
<td>3:32 PM</td>
<td>Diagnosis and Therapy of Vein Insufficiency in Children</td>
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<td>3:39 PM</td>
<td>Discussant</td>
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<td>3:42 PM</td>
<td>3:52 PM BREAK*</td>
<td>Presidential Lobby</td>
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<tr>
<td>3:52 PM</td>
<td>ABSTRACT SESSION - YOUNG INVESTIGATOR VWIN FOUNDATION JOINT SESSION (Continued)</td>
<td>Presidential Ballroom D</td>
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<tr>
<td>3:52 PM</td>
<td>Cyanoacrylate Closure of Perforator Veins: Initial Technical Feasibility and Safety and Presentation of a Case of Its Use in a Patient with Ehler’s Danlos Syndrome and Nonhealing Ulcer</td>
<td>Presidential Ballroom D</td>
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<tr>
<td>3:59 PM</td>
<td>Discussant</td>
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<tr>
<td>4:02 PM</td>
<td>Factors Associated with Duplex Ultrasound Identified Iliac Vein Obstructive Lesions in Patients Referred to an Outpatient Vascular Laboratory</td>
<td>Presidential Ballroom D</td>
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<tr>
<td>4:09 PM</td>
<td>Discussant</td>
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<tr>
<td>4:12 PM</td>
<td>5:45 PM CLOSING PROGRAM</td>
<td>Presidential Ballroom D</td>
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<tr>
<td>4:12PM</td>
<td>4:15PM Welcome &amp; Introduction</td>
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<td>4:15PM</td>
<td>5:00PM Year in Review</td>
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<tr>
<td>5:00 PM</td>
<td>Presidential Introduction</td>
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<tr>
<td>5:10 PM</td>
<td>Presidential Address</td>
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<tr>
<td>5:30 PM</td>
<td>Abstract Awards Presentation</td>
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<tr>
<td>5:40 PM</td>
<td>Closing Remarks</td>
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<tr>
<td>8:00 PM</td>
<td>12:00 AM &quot;OFF TO THE RACES&quot; CLOSING CELEBRATION*</td>
<td>Ryman Ballrooms</td>
</tr>
<tr>
<td>7:00 AM</td>
<td>8:30 AM BREAKFAST*</td>
<td>Presidential Ballrooms</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>12:00 AM VENOUS AND LYMPHATIC VILLAGE*</td>
<td>Presidential Ballrooms</td>
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</table>
ABSTRACT POSTERS

Abstract posters will be open for review at anytime in Presidential Ballroom E.

TARGET AUDIENCE

The Annual Congress sets the standard in vein care education for practitioners who diagnose, treat and manage venous and lymphatic disease. The primary target audience of the 32nd Annual Congress includes physicians, physician assistants, advanced registered nurse practitioners, ultrasound technologists, practice administrators, lymphedema therapists, and all other healthcare professionals currently or planning to care for patients with venous and lymphatic disease. Specialists in phlebology, cardiology, dermatology, dermatologic surgery, family practice, general surgery, internal medicine, interventional cardiology, interventional radiology, obstetrics and gynecology, vascular medicine, and vascular surgery are invited to enhance their knowledge and skills specific to the evaluation and treatment of venous and lymphatic disorders.

OBJECTIVES

At the conclusion of this activity, participants will be able to:

- Use selective testing modalities to diagnose chronic and acute venous disease and insufficiency of the abdomen, pelvis, and extremities or other venous pathology including deep vein thrombosis and vascular malformations.
- Describe and demonstrate the various techniques for treating venous disease.
- Distinguish indications and contraindications for different treatment modalities.
- Measure and compare the outcome of the various techniques in treating venous disease.
- Describe the evaluation and modern management of lymphedema.
EVALUATIONS AND CERTIFICATES
At the conclusion of Congress, please complete an evaluation to document your attendance, provide the American College of Phlebology (ACP) with crucial outcome measurement data, and receive your certificate for the Annual Congress. This will permit the American College of Phlebology (ACP) to continue to enhance your personalized professional development and plan the next Annual Congress. You will be able to access your certificate after the evaluation.

ACCREDITATION AND CREDIT STATEMENTS

AMERICAN MEDICAL ASSOCIATION (AMA)
The American College of Phlebology is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The American College of Phlebology designates this live activity for 17.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AMERICAN OSTEOPATHIC ASSOCIATION (AOA)
The program has been approved for a maximum of 17.5 credits of AOA Category 2-A.

SOCIETY FOR VASCULAR ULTRASOUND (SVU)
This program meets the criteria for up to 17.5 SVU-CMEs, which are accepted by the American Registry of Diagnostic Medical Sonographers (ARDMS), the American Registry of Radiologic Technologists (ARRT) for Category A credit, Cardiovascular Credentialing International (CCI), and the Intersocietal Accreditation Commission (IAC) for laboratory accreditation.

NURSING CREDITS
The American College of Phlebology is an approved Continuing Education Provider by the California Board of Registered Nursing Provider Number CEP 15857.

The American College of Phlebology designates this live activity for a maximum of 17.5 contact hours. Nurses should claim only the contact hours commensurate with the extent of their participation in the activity.

In order to claim credit for any given session nurses must participate in the entire session; credit for partial participation cannot be issued. Note that select sessions are approved for nursing contact hours. Check the program schedule to confirm sessions of interest are approved.
Cardiovascular Credentialing International (CCI) accepts *AMA PRA Category 1 Credits™* toward credential renewal for Registered Phlebology Sonographers (RPhS) and Registered Vascular Specialists (RVS).

For the purpose of recertification, the American Nurses Credentialing Center (ANCC) accepts *AMA PRA Category 1 Credits™* from organizations accredited by the ACCME. Similarly, the American Academy of Nurse Practitioners (AANP) accepts *AMA PRA Category 1 Credits™* from organizations accredited by the ACCME.

The American Academy of Physician Assistants (AAPA) accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credits™* from organizations accredited by the ACCME. Physician assistants can request a certificate of participation indicating that the activity was certified for 17.5 *AMA PRA Category 1 Credits™*.

**DISCLOSURE**

Note that relevant faculty financial relationships and commercial support of the ACP’s 32nd Annual Congress are disclosed within the conference mobile app.
# Mark Your Calendars

## 2019 Educational Course Schedule

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<th>Course</th>
<th>Date</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phlebology Review Course</td>
<td>February 1-2</td>
<td>DoubleTree by Hilton Hotel Houston Hobby Airport, Texas</td>
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<tr>
<td>Lymphedema Course</td>
<td>February 1-2</td>
<td>DoubleTree by Hilton Hotel Houston Hobby Airport, Texas</td>
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<tr>
<td>RPhS Review Course</td>
<td>April 6</td>
<td>Sheraton Suites Chicago O’Hare, Illinois</td>
</tr>
<tr>
<td>Sclerotherapy Course</td>
<td>April 6</td>
<td>Sheraton Suites Chicago O’Hare, Illinois</td>
</tr>
<tr>
<td>Phlebology Primer</td>
<td>June 1</td>
<td>DoubleTree by Hilton Atlanta Airport, Georgia</td>
</tr>
<tr>
<td>Compression Hands-On Workshop</td>
<td>June 1</td>
<td>DoubleTree by Hilton Atlanta Airport, Georgia</td>
</tr>
<tr>
<td>Sclerotherapy Course</td>
<td>August 10</td>
<td>The Westin Crystal City, Arlington, Virginia</td>
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<tr>
<td>Ultrasound Hands-On Course</td>
<td>August 10</td>
<td>The Westin Crystal City, Arlington, Virginia</td>
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<tr>
<td>2019 Annual Congress</td>
<td>November 7-10</td>
<td>JW Marriott Desert Ridge Phoenix, Arizona</td>
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Online Education is available anywhere at anytime. To learn more visit: [www.education.phlebology.org](http://www.education.phlebology.org)

To Register for a course visit: [www.phlebology.org/2019](http://www.phlebology.org/2019)