AMERICAN SOCIETY of
EMERGENCY RADIOLOGY
2015 Postgraduate Course in Emergency and Trauma Radiology

September 16 – 19, 2015
Ritz-Carlton Key Biscayne
Key Biscayne, Miami, Florida

PROGRAM HIGHLIGHTS

• Trauma Head-to-Toe: Two-Day Categorical Course
• Self-Assessment Module (SAM): Stroke in the ER
• Self-Assessment Module (SAM): Vascular Trauma
• Easily Missed Fractures
• Mass Casualties
• Imaging of Acute Abdominal Pain
• Non-traumatic Vascular Emergencies
• Multiple Case-based Sessions with Audience Participation
• Tour of Jackson Memorial Hospital Ryder Trauma Center
Course Overview and Intended Audience

The 2015 ASER Annual Meeting will provide a broad overview of current state-of-the-art imaging techniques to evaluate the acutely ill and injured patient. Educational sessions covering the latest advances and trends in emergency and trauma radiologic diagnosis and sessions presenting new and original scientific work are included. The meeting provides an opportunity to meet with international colleagues and discuss new and challenging aspects of emergency and trauma imaging.

The meeting is of particular interest and importance to clinical radiologists, both in the community and academic centers, delivering emergency care. Subspecialists in emergency radiology, neuroradiology, musculoskeletal radiology, chest and abdominal radiology, radiology residents and fellows, and emergency physicians at all levels of training will also find the educational and scientific material presented at the ASER meeting essential to their core and on-call knowledge base.

The “Trauma Head-to-Toe” course held on the first two days of the meeting is well-suited for radiology residents preparing for emergency radiology coverage and is an excellent review for all radiologists covering trauma centers. The ASER is offering discounted registration for this two-day course to the first 60 residents or fellows interested in emergency radiology.

Meeting Goals and Learning Objectives

At the conclusion of the course, attendees should be able to:

1. Select the most appropriate imaging approaches to allow prompt assessment of the injured and acutely ill patient

2. Apply optimal techniques to the acquisition of various imaging examinations commonly used in the emergency setting, maximizing diagnostic potential and considering patient safety

3. Develop and utilize a systematic approach to the assessment of traumatic injuries and non-traumatic acute diseases, from head to toe

4. Understand the requirements for delivering continuous high quality care in an emergency radiology service

5. Apply the latest imaging technologies and techniques for the investigation of the acutely ill or unwell patient in the ED (e.g. Dual energy CT, MRI, and trauma whole-body CT)
CME Accreditation and Credit Designation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Continuing Medical Education Resources and the American Society of Emergency Radiology. Continuing Medical Education Resources is accredited by the ACCME to provide continuing medical education for physicians.

Continuing Medical Education Resources designates this live educational activity for a maximum of 31 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Self-Assessment Module Information

The Self-Assessment Module (SAM) presented in this activity, “Trauma Head-to-Toe: Vascular Trauma”, is qualified by the American Board of Radiology in meeting the criteria for self-assessment toward the purpose of fulfilling requirements in the ABR Maintenance of Certification Program. The new session, “Stroke in the ER”, was submitted to the ABR for review and qualification as a Self-Assessment Module. The official status of this session will be listed on the registration site and society website as it becomes available. You may register to receive SAM Credit for these sessions and pay the associated $35 fee during the registration process.

Return on Your Investment

Consider the benefits received from attending this meeting:

• Top-Quality Education: A wide-ranging educational experience reflecting the latest advances in emergency radiology.

• CME: This activity is approved for 31 AMA PRA Category 1 Credits™.

• Networking: Opportunity to grow professionally while building relationships with your peers.

• The Registration fee includes: teaching materials*, instruction, Welcome Reception, Annual Awards Ceremony and Reception, continental breakfasts, coffee breaks and awarding of AMA PRA Category 1 Credits™.

*Please note that the course syllabus will be available online. If you would like access to the presentation slides during the course, we suggest you bring your own laptop computer and/or mobile device.
Hani Abujudeh, MD, MBA  
Massachusetts General Hospital  
Boston, MA

Stephan W. Anderson, MD  
Boston Medical Center  
Boston, MA

Laura Avery, MD  
Massachusetts General Hospital  
Boston, MA

Andres Ayoob, MD  
University of Kentucky  
College of Medicine  
Lexington, KY

Ferco H. Berger, MD  
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Amsterdam, The Netherlands

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NYU Langone Medical Center  
Bellevue Hospital  
New York, NY

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Memorial Hermann Hospital – TMC  
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College of Medicine  
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Medical School at Houston  
Houston, TX

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Ryder Trauma Center  
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Baltimore, MD

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Baystate Medical Center  
Springfield, MA

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Indiana University School of Medicine  
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Fort Lauderdale, FL

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Seattle, WA

Dorothy L. Gilbertson-Dahdal, MD  
The University of Arizona  
Tucson, AZ

Joel A. Gross, MD  
Harborview Medical Center  
Seattle, WA

Martin Gunn, MB ChB, FRANZCR  
Harborview and University of Washington Medical Centers  
Seattle, WA

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Emory University  
Atlanta, GA

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Cleveland Clinic  
Cleveland, OH

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UPMC - Presbyterian University Hospital  
Pittsburgh, PA

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Emory University  
Atlanta, GA

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Los Angeles, CA

Carrie Hoff, MD  
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Paul Jaffray, MD  
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Ottawa, Ontario, Canada

Ajay Singh, MD
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Boston, MA

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Cleveland, OH

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Boston, MA

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Boston, MA

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Indiana University
Indianapolis, IN

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Ottawa, Ontario, Canada

Jennifer Uyeda, MD
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Boston, MA

O. Clark West, MD, FACR
Memorial Hermann Hospital Texas Medical Center
Houston, TX

Joseph S. Yu, MD
Wexner Medical Center at The Ohio State University
Columbus, OH
# Daily Schedule

**7:15 AM – 8:00 AM**  
Continental Breakfast

**7:15 AM – 5:30 PM**  
Registration, Scientific and Educational Posters, Cases-of-the-Day and Exhibit Hours

### Wednesday, 9/16/2015

**7:55 AM – 8:05 AM**  
Welcome and Opening Remarks  
Wayne S. Kubal, MD

**Founders’ Session**  
**Moderators:** Wayne S. Kubal, MD; O. Clark West, MD, FACR

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>8:05 AM</td>
<td>Introduction of Susan D. John, MD</td>
<td>O. Clark West, MD, FACR</td>
</tr>
<tr>
<td>8:10 AM</td>
<td>Founders Lecturer: Putting the Patient at the Center of Emergency Imaging: How Are We Doing?</td>
<td>Susan D. John, MD</td>
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<tr>
<td>8:40 AM</td>
<td>Web-Based Portals</td>
<td>Stephen Ledbetter, MD, MPH</td>
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<tr>
<td>8:55 AM</td>
<td>Patient Friendly Reporting</td>
<td>Hani Abujudeh, MD, MBA</td>
</tr>
<tr>
<td>9:10 AM</td>
<td>Providing the SERVICE of Emergency Radiology</td>
<td>Ronald M. Bilow, MD, FASER</td>
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<tr>
<td>9:25 AM</td>
<td>Question and Answer Session</td>
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<tr>
<td>9:35 AM</td>
<td>Break and Poster Presentation Session I</td>
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### Trauma Head-to-Toe: Mass Casualties  
**Moderators:** Ronald M. Bilow, MD, FASER; Lee Myers, MD

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>9:50 AM</td>
<td>Mass Casualty Surge Management</td>
<td>Nabil El Sanadi, MD</td>
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<tr>
<td>10:05 AM</td>
<td>Emergency Medicine Clinical Perspective - What Do We Do and How Can Radiology Services Help?</td>
<td>Samuel Prater, MD</td>
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<tr>
<td>10:20 AM</td>
<td>Simulate to Stimulate</td>
<td>Ferco H. Berger, MD</td>
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<tr>
<td>10:35 AM</td>
<td>Infection/Epidemic: Experience Dealing with Ebola “Outbreak”</td>
<td>Jamlik-Omari Johnson, MD</td>
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<tr>
<td>10:50 AM</td>
<td>Damage Control Radiology</td>
<td>Eric Roberge, MD</td>
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<tr>
<td>11:05 AM</td>
<td>Question and Answer Session</td>
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<tr>
<td>11:15 AM</td>
<td>Break and Poster Presentation Session II</td>
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</tr>
<tr>
<td>11:30 AM</td>
<td>ASER Lunch with Scientific Session I (Closed Session - Members Only)</td>
<td>Moderator: Michael N. Patlas, MD, FRCPC</td>
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<tr>
<td>12:30 PM</td>
<td>Break</td>
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### Trauma Head-to-Toe: Brain/Spine Trauma  
**Koenraad (Hans) Nieboer, MD; Clint W. Sliker, MD

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>12:40 PM</td>
<td>Minimal Traumatic Brain Injury</td>
<td>K. Shanmuganathan, MD</td>
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<tr>
<td>1:00 PM</td>
<td>Pediatric Head Trauma: When to Suspect Non-Accidental Injury</td>
<td>Suzanne Chong, MD, MS</td>
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<tr>
<td>1:20 PM</td>
<td>Spinal Cord Injury</td>
<td>David Dreizin, MD</td>
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<tr>
<td>1:40 PM</td>
<td>Trauma to the Ankylosed Spine</td>
<td>Quynh T. Nguyen, PA-C, MHS</td>
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<tr>
<td>2:00 PM</td>
<td>Thoracolumbar Spine Injuries: Using the TLICS Lingo</td>
<td>Suresh Cheekatla, MD</td>
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<tr>
<td>2:20 PM</td>
<td>MRI for Trouble Shooting in the ED: Worth its Wait in Gold</td>
<td>Kathleen R. Fink, MD</td>
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<tr>
<td>2:40 PM</td>
<td>Question and Answer Session</td>
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<tr>
<td>2:50 PM</td>
<td>Break and Poster Presentation Session III</td>
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### Trauma Head-to-Toe: Self-Assessment Module - Vascular Trauma  
**Moderator: Felipe Munera, MD

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<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>3:05 PM</td>
<td>Vascular Trauma SAM: Peripheral Vessels</td>
<td>Stephan W. Anderson, MD</td>
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<tr>
<td>3:40 PM</td>
<td>Vascular Trauma SAM: Torso</td>
<td>Felipe Munera, MD</td>
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<tr>
<td>4:15 PM</td>
<td>Vascular Trauma SAM: Above the Clavicles</td>
<td>Clint W. Sliker, MD</td>
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<tr>
<td>4:50 PM</td>
<td>Question and Answer Session</td>
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<tr>
<td>5:00 PM</td>
<td>Adjourn</td>
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<tr>
<td>5:00 PM</td>
<td>ASER Business Meeting</td>
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<tr>
<td>5:40 PM</td>
<td>Welcome Reception</td>
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### THURSDAY, 9/17/2015

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:15 AM – 7:50 AM</td>
<td>Siemens Healthcare Sponsored Breakfast Session: Updates in Dual Energy CT</td>
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<tr>
<td>8:00 AM – 8:25 AM</td>
<td>Wednesday Cases-of-the-Day Presentations</td>
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<tr>
<td>8:25 AM – 8:30 AM</td>
<td>Break</td>
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</tbody>
</table>

#### Trauma Head-to-Toe: Musculoskeletal Trauma
**Moderators:** Stephen F. Hatem, MD; Joseph S. Yu, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:30 AM – 8:45 AM</td>
<td>Hand and Wrist</td>
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<tr>
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<td>Claire K. Sandstrom, MD</td>
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<tr>
<td>8:45 AM – 9:00 AM</td>
<td>Elbow and Forearm</td>
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<td></td>
<td>O. Clark West, MD, FACP</td>
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<tr>
<td>9:00 AM – 9:15 AM</td>
<td>Shoulder and Chest</td>
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<td></td>
<td>Adnan M. Sheikh, MD</td>
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<tr>
<td>9:15 AM – 9:30 AM</td>
<td>Tumor-like Conditions and Stress Fractures</td>
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<td></td>
<td>Joseph S. Yu, MD</td>
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<tr>
<td>9:30 AM – 9:45 AM</td>
<td>Foot and Ankle</td>
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<td></td>
<td>Ajay Singh, MD</td>
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<tr>
<td>9:45 AM – 10:00 AM</td>
<td>Knee</td>
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<td>Seppo K. Koskinen, MD, PhD</td>
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<tr>
<td>10:00 AM – 10:15 AM</td>
<td>Hip/Pelvis</td>
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<td>Bharti Khurana, MD</td>
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<td>10:15 AM – 10:30 AM</td>
<td>Pediatric MSK</td>
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<td>Carlos J. Sivit, MD</td>
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<tr>
<td>10:30 AM – 10:40 AM</td>
<td>Question and Answer Session</td>
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<tr>
<td>10:40 AM – 10:55 AM</td>
<td>Break and Poster Presentation Session IV</td>
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</tbody>
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#### Trauma Head-to-Toe: Head and Neck Trauma
**Moderator:** Diego B. Nuñez, MD, MPH

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:55 AM – 11:10 AM</td>
<td>Orbital Injuries: Beyond Fractures</td>
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<tr>
<td></td>
<td>Michael Rolen, MD</td>
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<tr>
<td>11:10 AM – 11:25 AM</td>
<td>Mid-Facial Fractures: It’s All About the Buttocks</td>
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<td></td>
<td>Carrie Hoff, MD</td>
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<tr>
<td>11:25 AM – 11:40 AM</td>
<td>Temporal Bone Fractures: A Revisted Practical Imaging Approach</td>
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<td>Gary Danton, MD, PhD</td>
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<tr>
<td>11:40 AM – 11:55 AM</td>
<td>Craniofacial Trauma: Don’t Lose Your Head</td>
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<td></td>
<td>Mark P. Bernstein, MD</td>
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<tr>
<td>11:55 AM – 12:10 PM</td>
<td>The Basics of Imaging Acute Blunt External Laryngeal Trauma</td>
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<td>Clint W. Sliker, MD</td>
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<tr>
<td>12:10 PM – 12:30 PM</td>
<td>Case Presentation with ARS</td>
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<td>Carlos Torres, MD, FRCPC</td>
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<tr>
<td>12:30 PM – 12:40 PM</td>
<td>Question and Answer Session</td>
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<tr>
<td>12:40 PM – 12:55 PM</td>
<td>Break and Poster Presentation Session V</td>
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<tr>
<td>12:55 PM – 1:55 PM</td>
<td>ASER Lunch with Scientific Session II (Closed Session — Members Only)</td>
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<td></td>
<td>Moderator: Christopher A. Potter, MD</td>
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<tr>
<td>1:55 PM – 2:05 PM</td>
<td>Break</td>
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</table>

#### Trauma Head-to-Toe: Torso Trauma 1
**Moderators:** Savvas Nicolaou, MD, FRCPC; Luis A. Rivas, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>2:05 PM – 2:20 PM</td>
<td>Injuries of the Lung and Pleura</td>
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<tr>
<td></td>
<td>Robert A. Novelline, MD, FACP</td>
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<tr>
<td>2:20 PM – 2:35 PM</td>
<td>Minimal Aortic Injury: New Concepts</td>
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<tr>
<td></td>
<td>Scott Steenburg, MD</td>
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<tr>
<td>2:35 PM – 2:50 PM</td>
<td>Mediastinum: Beyond the Thoracic Aorta</td>
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<tr>
<td></td>
<td>Savvas Nicolaou, MD, FRCPC</td>
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<tr>
<td>2:50 PM – 3:05 PM</td>
<td>Cardiac Trauma</td>
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<td></td>
<td>Patrick D. McLaughlin, FFR RCSI</td>
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<tr>
<td>3:05 PM – 3:20 PM</td>
<td>Diaphragmatic Injuries</td>
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<tr>
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<td>Michael N. Patlas, MD, FRCPC</td>
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<tr>
<td>3:20 PM – 3:35 PM</td>
<td>Hepatic Vascular Injuries</td>
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<td>Stuart E. Mirvis, MD, FACP</td>
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<tr>
<td>3:35 PM – 3:50 PM</td>
<td>Pancreatic Trauma</td>
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<td>Mariano Scaglione, MD</td>
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<tr>
<td>3:50 PM – 4:00 PM</td>
<td>Question and Answer Session</td>
</tr>
<tr>
<td>4:00 PM – 4:15 PM</td>
<td>Break and Poster Presentation Session VI</td>
</tr>
</tbody>
</table>

#### Trauma Head-to-Toe: Torso Trauma 2
**Moderators:** Stephan W. Anderson, MD; Brian C. Lucey, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>4:15 PM – 4:30 PM</td>
<td>Splenic Vascular Injuries</td>
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<tr>
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<td>Jennifer Uyeda, MD</td>
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<tr>
<td>4:30 PM – 4:45 PM</td>
<td>Bowel and Mesenteric Trauma</td>
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<td>James T. Lee, MD</td>
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<td>4:45 PM – 5:00 PM</td>
<td>Penetrating Trauma: What is Different?</td>
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<td>Christina Lebedis, MD</td>
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<td>5:00 PM – 5:15 PM</td>
<td>Renal Trauma</td>
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<td>Ulrich Linsenmaier, MD, PhD</td>
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5:15 PM – 5:30 PM  Bladder Trauma  Joel A. Gross, MD
5:30 PM – 5:45 PM  Pelvic Trauma and Bleeding: Imaging and Management  Johann Baptist Dormagen, MD
5:45 PM – 6:05 PM  Case Presentation with ARS  Martin Gunn, MB ChB, FRANZCR
6:05 PM – 6:15 PM  Question and Answer Session
6:15 PM  Adjourn

FRIDAY, 9/18/2015
7:30 AM – 7:55 AM  Thursday Cases-of-the-Day Presentations
7:55 AM – 8:00 AM  Break
8:00 AM – 8:20 AM  Selection of Patients for IV and IA Treatment with CT or MRI: The MGH Stroke Imaging Algorithm  Thomas Ptak, MD, PhD, MPH
8:20 AM – 8:25 AM  SAM questions
8:25 AM – 8:45 AM  Global Anoxic Injury  Wayne S. Kubal, MD
8:45 AM – 8:50 AM  SAM questions
9:10 AM – 9:15 AM  SAM questions
9:35 AM – 9:40 AM  SAM questions
9:40 AM – 9:55 AM  Discussion, Future Trends
9:55 AM – 10:00 AM  Summing Up, Take-Home “Pearls”
10:00 AM – 10:15 AM  Break and Poster Presentation Session VII

Research in Emergency Radiology  Moderators: Ken F. Linnau, MD, MS; Jorge A. Soto, MD
10:30 AM – 10:50 AM  How to Conduct Multi-Institutional Clinical Studies in Emergency Radiology  Jeffrey G. Jarvik, MD, MPH
10:50 AM – 11:05 AM  AEM Consensus Conference and Research Initiative Summary Report  Aaron D. Sodickson, MD, PhD
11:05 AM – 11:15 AM  ASER Research Initiative: PAPA Study Experience  Ken F. Linnau, MD, MS
11:15 AM – 11:25 AM  Question and Answer Session
11:25 AM – 11:30 AM  Break

US in the Emergency Department  Moderator: Sravanthi Reddy, MD
11:30 AM – 11:45 AM  Acute Scrotum  Refky Nicola, MS, DO
11:45 AM – 12:00 PM  First Trimester Viability  Reena Malhotra, MD
12:00 PM – 12:15 PM  US of Bowel Emergencies  Fabio Pinto, MD
12:15 PM – 12:30 PM  US of Complications of Transplantation  Paul Jaffray, MD
12:30 PM – 12:45 PM  MSK US in the ED  Manickam Kumaravel, MD, FRCR
12:45 PM – 1:05 PM  ED US Cases with ARS  Michael B. Mazza, MD
1:05 PM – 1:15 PM  Question and Answer Session
1:15 PM  Adjourn
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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>7:30 AM – 7:55 AM</td>
<td>Friday Cases-of-the-Day Presentations</td>
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<td>7:55 AM – 8:00 AM</td>
<td>Break</td>
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<tr>
<td>8:00 AM – 8:15 AM</td>
<td>Acute Abdominal Pain in Pregnancy: Beyond Appendicitis</td>
<td>Stefan Puig, MD, MSc</td>
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<td>8:15 AM – 8:30 AM</td>
<td>Non Contrast MRI for the Evaluation of Pediatric Appendicitis</td>
<td>Dorothy L. Gilbertson-Dahdal, MD</td>
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<td>8:30 AM – 8:45 AM</td>
<td>Clinical Decision Instruments to Diagnose Appendicitis: Comparison with CT Performance</td>
<td>Michael D. Repplinger, MD, MS, FACEP</td>
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<tr>
<td>8:45 AM – 9:00 AM</td>
<td>Right Lower Quadrant Pain: Alternative Diagnoses to Appendicitis</td>
<td>Vincent M. Melnick, MD</td>
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<tr>
<td>9:00 AM – 9:15 AM</td>
<td>CT Diagnosis of Peptic Ulcer Disease</td>
<td>Meghan G. Lubner, MD</td>
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<td>9:15 AM – 9:30 AM</td>
<td>Imaging of Suspected Bowel Disease</td>
<td>David H. Kim, MD, FACR</td>
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<td>9:30 AM – 9:50 AM</td>
<td>Cases with ARS</td>
<td>Perry J. Pickhardt, MD</td>
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<td>9:50 AM – 10:00 AM</td>
<td>Question and Answer Session</td>
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<td>10:00 AM – 10:15 AM</td>
<td>Break and Poster Presentation Session VIII</td>
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<td>10:15 AM – 10:35 AM</td>
<td>Complications of Neurosurgery</td>
<td>Christopher A. Potter, MD</td>
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<td>10:35 AM – 10:55 AM</td>
<td>Thoracic Iatrogenic Conditions</td>
<td>Laura Avery, MD</td>
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<td>10:55 AM – 11:15 AM</td>
<td>Oncologic Iatrogenic Conditions in the Abdomen and Pelvis</td>
<td>Matthew T. Heller, MD</td>
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<td>11:15 AM – 11:35 AM</td>
<td>Complications of Colonoscopy</td>
<td>Douglas S. Katz, MD, FACR</td>
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<td>11:35 AM – 11:45 AM</td>
<td>Question and Answer Session</td>
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<td>11:45 AM – 12:00 PM</td>
<td>Break and Poster Presentation Session IX</td>
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<tr>
<td>12:00 PM – 1:00 PM</td>
<td>ASER Lunch with Scientific Session III (Closed Session for Members Only)</td>
<td>Stefan Puig, MD, MSc</td>
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<td>1:00 PM – 1:05 PM</td>
<td>Break</td>
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<tr>
<td>1:05 PM – 1:30 PM</td>
<td>Saturday Cases-of-the-Day Presentations</td>
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<td>1:30 PM – 1:45 PM</td>
<td>Bone/Joint Infections in the ER</td>
<td>Tarek Hanna, MD</td>
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<td>1:45 PM – 2:00 PM</td>
<td>Pneumonia in the Immunocompromised Patient</td>
<td>Kal Dulaimy, MD</td>
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<tr>
<td>2:00 PM – 2:15 PM</td>
<td>Complications of Sinogenic Infections: Pearls and Perils</td>
<td>Diego B. Nuñez, MD, MPH</td>
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<td>2:15 PM – 2:35 PM</td>
<td>ARS Cases:Abdominopelvic Infections</td>
<td>Marc A. Camacho, MD, MS</td>
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<td>2:35 PM – 2:45 PM</td>
<td>Question and Answer Session</td>
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<td>2:45 PM – 2:55 PM</td>
<td>Break</td>
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<td>2:55 PM – 3:05 PM</td>
<td>Protocol Controversy: Acute Aorta</td>
<td>Sanjeev Bhalla, MD</td>
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<tr>
<td>3:05 PM – 3:15 PM</td>
<td>Protocol Controversy: Acute Aorta</td>
<td>Aaron Sodickson, MD, PhD</td>
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<td>3:15 PM – 3:30 PM</td>
<td>MRI in Vascular Emergencies</td>
<td>Constantine A. Raptis, MD</td>
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<td>3:30 PM – 3:45 PM</td>
<td>Pitfalls in US for Deep Venous Thrombosis</td>
<td>Robin B. Levenson, MD</td>
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<td>3:45 PM – 4:00 PM</td>
<td>Non-Traumatic Hemoperitoneum</td>
<td>Keith Herr, MD</td>
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<td>4:00 PM – 4:15 PM</td>
<td>Aortic Aneurysms</td>
<td>Travis Henry, MD</td>
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<td>4:15 PM – 4:35 PM</td>
<td>Case Presentation with ARS</td>
<td>Sanjeev Bhalla, MD</td>
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<td>4:35 PM – 4:45 PM</td>
<td>Question and Answer Session</td>
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<td>4:45 PM</td>
<td>Adjourn</td>
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<td>5:30 PM – 6:15 PM</td>
<td>Awards Ceremony</td>
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Registration Information
Visit [www.erad.org](http://www.erad.org)

There are three easy ways to register:
- By internet at [www.erad.org](http://www.erad.org)
- By fax at 713.960.0488*
- By mail at ASER Annual Meeting, 4550 Post Oak Place, Suite 342, Houston, Texas 77027*

*A hardcopy registration form is available on the Society website. However, please note that there is an additional fee of $20 if you register by mail or fax. Save time and the extra fee money by registering online.

### Registration Fees

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<th>On or Before 8/3/15 5pm CST</th>
<th>After 8/3/15 5pm CST</th>
<th>One Day</th>
<th>On-Site† 9/3/15 5pm CST</th>
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<tr>
<td>ASER Member</td>
<td>$745</td>
<td>$845</td>
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<tr>
<td>Non-Member (Physician)</td>
<td>$895</td>
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<td>$470</td>
<td>$570</td>
<td>$225</td>
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<td>Non Member-in-Training*</td>
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<td>Allied Health Professional**</td>
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<td>Two-Day Trauma</td>
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<tr>
<td>Head-to-Toe Course***</td>
<td>$50</td>
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*Proof of resident and fellow status must be emailed to aser@meetingmanagers.com.
**Certificates of attendance will be available.
***The ASER is offering discounted registration for this two-day course to the first 60 residents or fellows interested in emergency radiology who are in-training at the time of the meeting. Proof of resident and fellow status must be emailed to aser@meetingmanagers.com.

### Optional Activities

<table>
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<tr>
<th>Activity</th>
<th>Price</th>
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<tbody>
<tr>
<td>Guest Daily Continental Breakfasts</td>
<td>$120</td>
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<tr>
<td>Self-Assessment Module – MOC Credit</td>
<td>$35</td>
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<tr>
<td>Ryder Trauma Center Tour*</td>
<td>$35</td>
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*Please visit [www.erad.org](http://www.erad.org) for a detailed description of the Trauma Center Tour and other social events.

### Registration Dates

The early bird advanced registration deadline is **Monday, August 3rd, 5pm CST**. Registrations received after this date and time will be charged an additional $100, as noted in the registration fees.

†Online registration will close **Thursday, September 3rd at 5pm CST**. After this date and time, attendees must register on-site and pay on-site registration fees.
Registration Cancellation Policy
A $100 administrative fee will be retained if you cancel your meeting registration for any reason. In order to receive a refund of the balance, written notice must be received no later than Wednesday, September 2nd. No refunds will be made after this date.

**Not an ASER Member? Don’t Delay — Join Today!**

**Join ASER and Receive:**
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- Member Directory Access
- Reduced annual meeting registration fees
- Access to closed sessions at the annual meeting for members only
- Opportunities to serve on ASER committees to make an impact in the field
- Receipt of Society correspondence

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**Meeting Management**
Angie Guy, MPA
Manager, Meetings and Events
International Meeting Managers, Inc.
4550 Post Oak Place, Suite 342
Houston, TX 77027
713.965.0566 Phone
713.960.0488 Fax
aser@meetingmanagers.com

If you have any special needs, please contact IMM at the above address in writing at least two weeks before the meeting to ensure that your needs will be met.

**Hotel and Travel Information**

**Ritz-Carlton Key Biscayne, Miami**
455 Grand Bay Dr.
Key Biscayne, FL 33149
1.800.241.3333 Reservations
305.365.4500 Phone

$189.00 Single/Double Standard Room
(Applicable taxes, currently 13%)
Group block deadline: August 24

Please visit [www.erad.org](http://www.erad.org) for detailed hotel and travel information including discount codes for travel arrangements.
2015 Postgraduate Course in Emergency and Trauma Radiology

Wayne S. Kubal, MD
ASER 2014 – 2016 President

Jorge A. Soto, MD
ASER 2015 Program Committee Chair

Thomas Ptak, MD, PhD, MPH
Scientific Program Subcommittee Chair

Andrew Gelbman, DO, PhD; Michael N. Patlas, MD, FRCPC
Cases-of-the-Day Co-Chairs

Gary Danton, MD, PhD
Audience Response System Coordinator