September 10–13, 2014
The Nines Hotel
Portland, Oregon

PROGRAM HIGHLIGHTS

• Trauma Head-to-Toe – Two-Day Categorical Course
• Self-Assessment Module: Neuroradiology Emergencies
• Self-Assessment Module: Vascular Trauma
• 24 Hour Emergency Radiology Coverage
• Emergency Radiology Curriculum Development and MOC
• Protocols Sessions: Whole Body CT and Blunt Cerebrovascular Trauma
• Dual Energy CT and MRI in the ED
Course Overview and Intended Audience

The 2014 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 complimentary 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.

Meeting Goals and Learning Objectives

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

1. Identify imaging approaches to allow prompt assessment of the injured or ill patient.

2. Utilize methods to perform imaging examinations with optimal technique.

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

4. Understand and describe the issues surrounding implementation of a 24-hour 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 30.25 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 Modules (SAM) presented in this activity, “Neuroradiology Emergencies” and “Trauma Head-to-Toe: Vascular Trauma” are 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. You may register to receive MOC Credit for these sessions and pay the associated $35 fee when registering for the course.

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 with high yield of clinically relevant information.
- CME: This activity is approved for 30.25 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.
ASER 2014 Faculty Listing

Anjali Agrawal, MD
Teleradiology Solutions
Delhi, India

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

Ashwin V. Asrani, MD
New York Presbyterian/Weill Cornell Medical Center
New York, NY

Laura Avery, MD
Massachusetts General Hospital
Boston, MA

Ferco H. Berger, MD
VU University Medical Center
Amsterdam, The Netherlands

Mark P. Bernstein, MD
NYU Langone Medical Center/Bellevue Hospital
New York, NY

Sanjeev Bhalla, MD
Mallinckrodt Institute of Radiology
St. Louis, MO

Ronald M. Bilow, MD, FASER
Memorial Hermann Hospital
Houston, TX

Craig Blackmore, MD, MPH
Virginia Mason Medical Center
Seattle, WA

Marc A. Camacho, MD, MS
Sarasota Memorial Hospital
Sarasota, FL

Lovleen Cavanagh, DO
North Shore Long Island Jewish Health System
Manhasset, NY

Suresh Cheekatla, MD
The University of Texas Medical School at Houston
Houston, TX

Garry Choy, MD, MBA
Massachusetts General Hospital
Boston, MA

Lee Collins, MD
Long Island Jewish Medical Center
New Hyde Park, NY

Gary Danton, MD, PhD
Jackson Memorial Hospital
Miami, FL

Jeffrey Dunkle, MD
Indiana University School of Medicine
Indianapolis, IN

William K. Erly, MD
University of Arizona Health Sciences Center
Tuscon, AZ

Kathleen R. Fink, MD
Harborview Medical Center
Seattle, WA

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

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

Stephen F. Hatem, MD
Cleveland Clinic
Cleveland, OH

Matthew T. Heller, MD
UPMC - Presbyterian University Hospital
Pittsburgh, PA

Susan D. John, MD
Children’s Memorial Hermann Hospital
Houston, TX

Jamlik-Omari Johnson, MD
Emory Healthcare
Atlanta, GA

Michele H. Johnson, MD
Yale-New Haven Hospital
New Haven, CT

Douglas S. Katz, MD, FACR
Winthrop University Hospital
Mineola, NY

Bharti Khurana, MD
Brigham and Women’s Hospital
Boston, MA

Digna R. Kool, MD
Slingeland Hospital
Doetinchem, The Netherlands

Wayne S. Kubal, MD
Arizona Health Sciences Center
Tucson, AZ

Manickam Kumaravel, MD, FRCR
Memorial Hermann Hospital
Houston, TX

Stephen Ledbetter, MD, MPH
Brigham and Women’s Faulkner Hospital
Boston, MA

Bruce E. Lehnert, MD
Harborview Medical Center
Seattle, WA

Ken F. Linnau, MD, MS
Harborview Medical Center
Seattle, WA

Charles R. Luttenton, MD, FACR
Spectrum Health
Grand Rapids, MI
F.A. Mann, MD
Integra Imaging, PS
Seattle, WA

Vincent M. Mellnick, MD
Mallinckrodt Institute of Radiology
St. Louis, MO

Stuart E. Mirvis, MD, FACR
R. Adams Cowley Shock Trauma Center, University of Maryland
Baltimore, MD

Felipe Munera, MD
Jackson Memorial Hospital–Ryder Trauma Center
Miami, FL

Savvas Nicolaou, MD, FRCPC
Vancouver General Hospital
Vancouver, British Columbia, Canada

Koenraad (Hans) Nieboer, MD
Universitair Ziekenhuis Brussel
Brussels, Belgium

Robert A. Novelline, MD, FACR
Massachusetts General Hospital
Boston, MA

Diego B. Nuñez, MD, MPH
Yale-New Haven Hospital
New Haven, CT

Pari Pandharipande, MD, MPH
Massachusetts General Hospital
Boston, MA

Ellen S. Park, MD
Cleveland Clinic
Cleveland, OH

Michael N. Patlas, MD, FRCPC
Hamilton General Hospital
Hamilton, Ontario, Canada

Perry J. Pickhardt, MD
University of Wisconsin
School of Medicine and Public Health
Madison, WI

Pierre-Alexandre A. Poletti, MD
Hôpitaux Universitaires de Genève
Geneva, Switzerland

Stefan Puig, MD, MSc
University Institute of Diagnostic, Interventional and Pediatric Radiology
Bern, Switzerland

Constantine A. Raptis, MD
Washington University Physicians
St. Louis, MO

Sravanthi Reddy, MD
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Los Angeles, CA

Claire K. Sandstrom, MD
Harborview Medical Center
Seattle, WA

K. Shanmuganathan, MD
R. Adams Cowley Shock Trauma Center, University of Maryland
Baltimore, MD

Steven A. Shea, PhD
Oregon Health and Science University
Portland, OR

Adnan M. Sheikh, MD
Ottawa Hospital
Ottawa, Ontario, Canada

Ajay Singh, MD
Massachusetts General Hospital
Boston, MA

Carlos J. Sivit, MD
Rainbow Babies and Children’s Hospital
Cleveland, OH

Clint W. Sliker, MD
R. Adams Cowley Shock Trauma Center, University of Maryland
Baltimore, MD

Aaron Sodickson, MD, PhD
Brigham and Women’s Hospital
Boston, MA

Jorge A. Soto, MD
Boston Medical Center
Boston, MA

Scott Steenburg, MD
Indiana University School of Medicine – Indiana University
Indianapolis, IN

Johnny Vlahos, MD, FRCR
St. George’s Hospital
London, United Kingdom

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

Anthony J. Wilson, MB ChB
Spanaway, WA

Joseph S. Yu, MD
Wexner Medical Center at The Ohio State University
Columbus, OH
**DAILY 9/10/14 - 9/13/14**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>7:15 AM – 8:00 AM</td>
<td>Continental Breakfast</td>
</tr>
<tr>
<td>7:15 AM – 5:30 PM</td>
<td>Registration, Scientific and Educational Posters, Cases-of-the-Day and Exhibit Hours</td>
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**WEDNESDAY 9/10/2014**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 AM – 8:05 AM</td>
<td>Welcome and Opening Remarks</td>
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<tr>
<td><strong>Founders’ Session</strong></td>
<td>Moderators: F.A. Mann, MD; O. Clark West, MD, FACR</td>
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<tr>
<td>8:05 AM – 8:15 AM</td>
<td>Introduction of Craig Blackmore, MD, MPH</td>
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<tr>
<td>8:15 AM – 8:45 AM</td>
<td>Founders’ Speaker: The Quality Movement (or Making Radiology Fun Again!)</td>
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<tr>
<td>8:45 AM – 9:10 AM</td>
<td>Transitioning to 24/7 Coverage</td>
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<tr>
<td>9:10 AM – 9:35 AM</td>
<td>Sleep and 24 Hour Coverage</td>
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<tr>
<td>9:35 AM – 9:37 AM</td>
<td>Introduction of Practice Models</td>
</tr>
<tr>
<td>9:37 AM – 9:44 AM</td>
<td>Panel Member A: Staffing Matrix</td>
</tr>
<tr>
<td>9:44 AM – 9:51 AM</td>
<td>Panel Member B: Academic Emergency Radiology and Overnight Coverage</td>
</tr>
<tr>
<td>9:51 AM – 9:58 AM</td>
<td>Panel Member C: Teleradiology</td>
</tr>
<tr>
<td>10:05 AM – 10:15 AM</td>
<td>Question and Answer Session</td>
</tr>
<tr>
<td>10:15 AM – 10:30 AM</td>
<td>Break and Poster Presentation Session I</td>
</tr>
<tr>
<td><strong>Trauma Head-to-Toe: Spine Trauma</strong></td>
<td>Moderators: Joel A. Gross, MD; Diego B. Nuñez, MD, MPH</td>
</tr>
<tr>
<td>10:30 AM – 10:55 AM</td>
<td>Spine Development, Anatomy, Anomalies and Foolers</td>
</tr>
<tr>
<td>10:55 AM – 11:20 AM</td>
<td>Imaging of Cervical Spine Trauma</td>
</tr>
<tr>
<td>11:20 AM – 11:45 AM</td>
<td>Imaging of Thoracolumbar Spine Trauma</td>
</tr>
<tr>
<td>11:45 AM – 11:55 AM</td>
<td>Question and Answer Session</td>
</tr>
<tr>
<td>11:55 AM – 12:10 PM</td>
<td>Break and Poster Presentation Session II</td>
</tr>
<tr>
<td>12:10 PM – 1:10 PM</td>
<td>ASER Lunch with Scientific Session I (Closed Session - Members Only)</td>
</tr>
<tr>
<td>1:10 PM – 1:25 PM</td>
<td>Break</td>
</tr>
<tr>
<td><strong>Trauma Head-to-Toe: Thoracic Trauma</strong></td>
<td>Moderator: Sravanthi Reddy, MD</td>
</tr>
<tr>
<td>1:25 PM – 1:50 PM</td>
<td>Imaging of Penetrating Transmediastinal Trauma</td>
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<tr>
<td>1:50 PM – 2:15 PM</td>
<td>Imaging Thoracic Trauma</td>
</tr>
<tr>
<td>2:15 PM – 2:40 PM</td>
<td>Cardiac Trauma</td>
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<tr>
<td>2:40 PM – 2:50 PM</td>
<td>Question and Answer Session</td>
</tr>
<tr>
<td>2:50 PM – 3:05 PM</td>
<td>Break and Poster Presentation Session III</td>
</tr>
<tr>
<td><strong>Trauma Head-to-Toe: Self-Assessment Module – Vascular Trauma</strong></td>
<td>Moderator: Ronald M. Bilow, MD, FASER</td>
</tr>
<tr>
<td>3:05 PM – 3:40 PM</td>
<td>Vascular Trauma SAM: Peripheral Vessels</td>
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<tr>
<td>Time</td>
<td>Session/Panel</td>
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<tr>
<td>3:40 PM – 4:15 PM</td>
<td>Vascular Trauma SAM: Torso</td>
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<tr>
<td>4:15 PM – 4:50 PM</td>
<td>Vascular Trauma SAM: Above the Clavicles</td>
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<tr>
<td>4:50 PM – 4:55 PM</td>
<td>BCVI: Our Protocols 1</td>
</tr>
<tr>
<td>4:55 PM – 5:00 PM</td>
<td>BCVI: Our Protocols 2</td>
</tr>
<tr>
<td>5:00 PM – 5:05 PM</td>
<td>BCVI: Our Protocols 3</td>
</tr>
<tr>
<td>5:05 PM – 5:10 PM</td>
<td>BCVI: Our Protocols 4</td>
</tr>
<tr>
<td>5:10 PM – 5:25 PM</td>
<td>Question and Answer Session</td>
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<tr>
<td>5:25 PM</td>
<td>Adjourn</td>
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<tr>
<td>5:45 PM – 7:15 PM</td>
<td>Welcome Reception</td>
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**THURSDAY 9/11/2014**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Panel</th>
<th>Speaker(s)</th>
</tr>
</thead>
</table>
| 7:30 AM – 7:55 AM | Wednesday Case-of-the-Day Presentations  
Moderator: Pierre-Alexandre A. Poletti, MD |                                                 |
| 7:55 AM – 8:00 AM | Break                                                                         |                                                 |
| 8:00 AM – 8:25 AM | MRI of Shoulder Instability                                                   | Joseph S. Yu, MD                                |
| 8:25 AM – 8:50 AM | Wrist and Hand Trauma                                                        | Anthony J. Wilson, MB ChB                       |
| 8:50 AM – 9:15 AM | Pelvic and Acetabular Fractures                                                | Ken F. Linnau, MD, MS                           |
| 9:15 AM – 9:40 AM | Syndesmotic Injuries, Hind and Mid-Foot Trauma                               | Adnan M. Sheikh, MD                             |
| 9:40 AM – 9:50 AM | Question and Answer Session                                                    |                                                 |
| 9:50 AM – 10:05 AM | Break and Poster Presentation Session IV                                      |                                                 |

**Trauma Head-to-Toe: Musculoskeletal Trauma  
Moderator: Stephen F. Hatem, MD**

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<tr>
<th>Time</th>
<th>Session/Panel</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>10:05 AM – 10:30 AM</td>
<td>MRI of Posttraumatic Intracranial Hemorrhage</td>
<td>Koenraad (Hans) Nieboer, MD</td>
</tr>
<tr>
<td>10:30 AM – 10:45 AM</td>
<td>Minor Traumatic Brain Injury</td>
<td>K. Shanmugananathan, MD</td>
</tr>
<tr>
<td>10:45 AM – 11:10 AM</td>
<td>Imaging Maxillofacial Trauma</td>
<td>William K. Erly, MD</td>
</tr>
<tr>
<td>11:10 AM – 11:35 AM</td>
<td>Penetrating Neck Injuries</td>
<td>Scott Steenburg, MD</td>
</tr>
<tr>
<td>11:35 AM – 12:00 PM</td>
<td>Neurotrauma: Case-Based</td>
<td>Gary Danton, MD, PhD</td>
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<tr>
<td>12:00 PM – 12:10 PM</td>
<td>Question and Answer Session</td>
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<tr>
<td>12:10 PM – 12:25 PM</td>
<td>Break and Poster Presentation Session V</td>
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</table>
| 12:25 PM – 1:25 PM | ASER Lunch with Scientific Session II (Closed Session - Members Only)  
Moderator: Pierre-Alexandre A. Poletti, MD |                                                 |
| 1:25 PM – 1:40 PM | Break                                                                         |                                                 |

**Trauma Head-to-Toe: Neurotrauma  
Moderator: Kathleen R. Fink, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Panel</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>1:40 PM – 2:05 PM</td>
<td>Imaging of Blunt Pancreatic and Duodenal Injuries</td>
<td>Savvas Nicolaou, MD, FRCPC</td>
</tr>
<tr>
<td>2:05 PM – 2:20 PM</td>
<td>Small Bowel, Colon, and Mesenteric Injury: Cases</td>
<td>K. Shanmugananathan, MD</td>
</tr>
<tr>
<td>2:20 PM – 2:45 PM</td>
<td>Retrograde Urethrography – The Exam No One Talks About, but Should</td>
<td>O. Clark West, MD, FACR</td>
</tr>
<tr>
<td>2:45 PM – 3:10 PM</td>
<td>Mistakes in Interpretation of Abdominal Trauma: Case-Based</td>
<td>Michael N. Patlas, MD, FRCPC</td>
</tr>
<tr>
<td>3:10 PM – 3:20 PM</td>
<td>Question and Answer Session</td>
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<tr>
<td>3:20 PM – 3:35 PM</td>
<td>Break and Poster Presentation Session VI</td>
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</tbody>
</table>
## Trauma Head-to-Toe: General Trauma Radiology  
**Moderator: Martin Gunn, MB ChB, FRANZCR**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>3:35 PM – 4:00 PM</td>
<td>Imaging the Pregnant Trauma Patient</td>
<td>Mark P. Bernstein, MD</td>
</tr>
<tr>
<td>4:00 PM – 4:25 PM</td>
<td>Imaging of Blast Injuries</td>
<td>Ajay Singh, MD</td>
</tr>
<tr>
<td>4:25 PM – 4:50 PM</td>
<td>Whole Body CT: Indications and Outcomes</td>
<td>Digna R. Kool, MD</td>
</tr>
<tr>
<td>4:50 PM – 4:57 PM</td>
<td>Our Scan Protocol: Whole Body CT</td>
<td>K. Shanmuganathan, MD</td>
</tr>
<tr>
<td>4:57 PM – 5:04 PM</td>
<td>Our Scan Protocol: Whole Body CT</td>
<td>Savvas Nicolaou, MD, FRCPC</td>
</tr>
<tr>
<td>5:04 PM – 5:11 PM</td>
<td>Our Scan Protocol: Whole Body CT</td>
<td>Aaron Sodickson, MD, PhD</td>
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<tr>
<td>5:11 PM – 5:18 PM</td>
<td>Our Scan Protocol: Whole Body CT</td>
<td>Ferco H. Berger, MD</td>
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<tr>
<td>5:18 PM – 5:30 PM</td>
<td>Question and Answer Session</td>
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<tr>
<td>5:30 PM – 6:00 PM</td>
<td>Siemens Medical Solutions USA Satellite Symposium and Reception</td>
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### FRIDAY 9/12/2014

#### ASER Business Meeting

7:00 AM – 7:30 AM

#### Thursday Case-of-the-Day Presentations  
**Moderator: Claire K. Sandstrom, MD**

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<thead>
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<tbody>
<tr>
<td>7:30 AM – 7:55 AM</td>
<td>Chest Emergencies in Children</td>
<td>Susan D. John, MD</td>
</tr>
<tr>
<td>8:00 AM – 8:25 AM</td>
<td>Overuse Injuries in Young Athletes</td>
<td>Carlos J. Sivit, MD</td>
</tr>
<tr>
<td>8:50 AM – 9:15 AM</td>
<td>Work Up of Soft Tissue Lesions in Children in the ED</td>
<td>Ellen S. Park, MD</td>
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<tr>
<td>9:15 AM – 9:40 AM</td>
<td>Ultrasound of the Acute Abdomen</td>
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<tr>
<td>9:40 AM – 9:50 AM</td>
<td>Question and Answer Session</td>
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<tr>
<td>9:50 AM – 10:05 AM</td>
<td>Break and Poster Presentation Session VII</td>
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#### Pediatric Imaging  
**Moderator: Susan D. John, MD**

<table>
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<tr>
<td>9:40 AM – 9:50 AM</td>
<td>Question and Answer Session</td>
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#### Self-Assessment Module – Neuroradiology Emergencies  
**Moderator: Wayne S. Kubal, MD**

<table>
<thead>
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<tbody>
<tr>
<td>10:05 AM – 10:30 AM</td>
<td>Intracranial Infection</td>
<td>Kathleen R. Fink, MD</td>
</tr>
<tr>
<td>10:30 AM – 10:55 AM</td>
<td>Non-traumatic Intracranial Hemorrhage</td>
<td>Michele H. Johnson, MD</td>
</tr>
<tr>
<td>10:55 AM – 11:20 AM</td>
<td>Face and Neck Infection: What You Really Need to Know</td>
<td>Wayne S. Kubal, MD</td>
</tr>
<tr>
<td>11:20 AM – 11:30 AM</td>
<td>Question and Answer Session</td>
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#### General Radiology  
**Moderators: Jeffrey Dunkle, MD; Stephen Ledbetter, MD, MPH**

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<tbody>
<tr>
<td>11:30 AM – 11:55 AM</td>
<td>Enhancing your CT Practice with Dual Energy in the ER</td>
<td>Aaron Sodickson, MD, PhD</td>
</tr>
<tr>
<td>11:55 AM – 12:20 PM</td>
<td>Understanding and Using Routine Practice Data</td>
<td>Jeffrey Dunkle, MD</td>
</tr>
<tr>
<td>12:20 PM – 12:45 PM</td>
<td>Defining the Scope of Emergency Radiology for Curriculum Planning and MOC</td>
<td>Robert A. Novelline, MD, FACR</td>
</tr>
<tr>
<td>12:45 PM – 1:10 PM</td>
<td>Developing an Erad Fellowship Curriculum</td>
<td>Jamlik-Omari Johnson, MD</td>
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<td>1:10 PM – 1:20 PM</td>
<td>Question and Answer Session</td>
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<td>1:20 PM</td>
<td>Adjourn</td>
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### SATURDAY 9/13/2014

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<tr>
<th>Time</th>
<th>Session</th>
<th>Moderator</th>
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</thead>
</table>
| 7:30 AM – 7:55 AM | **Friday Case-of-the-Day Presentations**  
**Moderator: Claire K. Sandstrom, MD**                                                          |
| 7:55 AM – 8:00 AM | Break                                                                                       |                            |
| 8:00 AM – 8:25 AM | **Abdominal and Pelvic Imaging**  
**Moderators: Suresh Cheekatla, MD; Aaron Sodickson, MD, PhD**                                |
| 8:25 AM – 8:50 AM | MRI of the Appendix  
**Perry J. Pickhardt, MD**                                                                |
| 8:50 AM – 9:15 AM | CT of the Acute Female Pelvis  
**Douglas S. Katz, MD, FACP**                                                               |
| 9:15 AM – 9:40 AM | Acute Perineum and Scrotum  
**Matthew T. Heller, MD**                                                               |
| 9:40 AM – 9:50 AM | Question and Answer Session                                                                 |
| 9:50 AM – 10:05 AM | Break and Poster Presentation Session VIII                                                    |
| 10:05 AM – 10:30 AM | **Miscellaneous / Multi System**  
**Moderator: Ferco H. Berger, MD**                                                          |
| 10:30 AM – 10:55 AM | Radiation Dose History  
**Pari Pandharipande, MD, MPH**                                                            |
| 10:55 AM – 11:20 AM | Clinical Decision Support  
**Bruce E. Lehnert, MD**                                                                               |
| 11:20 AM – 11:45 AM | MRI of Musculoskeletal Emergencies  
**Manickam Kumaravel, MD, FRCP**                                                              |
| 11:45 AM – 11:55 AM | Unusual ED Cases  
**Stuart E. Mirvis, MD, FACP**                                                                |
| 11:55 AM – 12:10 PM | Break and Poster Presentation Session IX                                                     |
| 12:10 PM – 1:10 PM | **Saturday Case-of-the-Day Presentations**  
**Moderator: Claire K. Sandstrom, MD**                                                          |
| 1:10 PM – 1:35 PM | **Thoracic and Vascular**  
**Moderators: Marc A. Camacho, MD, MS; Jorge A. Soto, MD**                                     |
| 1:35 PM – 2:00 PM | Esophageal Emergencies  
**Vincent M. Mellnick, MD**                                                                            |
| 2:00 PM – 2:25 PM | Aortic CT Beyond Dissection  
**Constantine A. Raptis, MD**                                                                       |
| 2:25 PM – 2:50 PM | MRA for Pulmonary Embolism  
**Stefan Puig, MD, MSc**                                                                               |
| 2:50 PM – 3:15 PM | Cardiac CTA Cases in the Emergency and Acute Setting  
**Garry Choy, MD, MBA**                                                                           |
| 3:15 PM – 3:40 PM | Thoracic CTA Cases: Case-Based  
**Marc A. Camacho, MD, MS**                                                                         |
| 3:40 PM – 3:50 PM | Question and Answer Session                                                                 |
| 3:50 PM | Adjourn                                                                                       |
| 5:00 PM – 8:00 PM | Awards Ceremony and Closing Reception                                                          |

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**Postcard Image:**
- [Portland Oregon](#)
Registration Information
Register now at [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 by registering online.

### Registration Fees

<table>
<thead>
<tr>
<th></th>
<th>On or Before 8/3/14</th>
<th>After 8/3/14</th>
<th>One Day</th>
<th>On-Site†</th>
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<tbody>
<tr>
<td>ASER Member</td>
<td>$645</td>
<td>$745</td>
<td>$250</td>
<td>$770</td>
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<tr>
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<td>$595</td>
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<tr>
<td>Allied Health Professional**</td>
<td>$470</td>
<td>$570</td>
<td>$150</td>
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<tr>
<td>Two-Day Trauma Head-to-Toe Course***</td>
<td>Complimentary</td>
<td></td>
<td></td>
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</tbody>
</table>

*Proof of resident and fellow status must be emailed to aser@meetingmanagers.com.
**Certificates of attendance will be available.
***The ASER is offering complimentary 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

- Guest Daily Continental Breakfasts: $120
- Self-Assessment Module – SAM Credit: $35
- Brew Bus Tour: $100
- Northwest Wine Tour: $100

*Please visit [www.erad.org](http://www.erad.org) for a detailed description of the social events.

### Registration Dates

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

†Online registration will close Friday, August 29th. After this date, 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, August 27th**. No refunds will be made after this date.

**MEETING MANAGEMENT**
Angie Guy, MPA
Meeting Manager
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**

**The Nines**
525 SW Morrison St.
Portland, Oregon 97204
Reservations: 1.888.627.7208

$209.00 Single/Double Standard Room
(Applicable taxes, currently 14.5%)
Group block deadline: August 18

Please visit [www.erad.org](http://www.erad.org) for detailed hotel and travel information including discount codes for travel arrangements.
WHAT IS THIS?
This symbol is called a “QR code” and it enables your smartphone to instantly access the meeting website. To use it, you will need to download a free QR app (available from your phone's application store) if you do not already have one. Next, take a photo of the QR code and you will be connected to the meeting website.