

# AMERICAN SOCIETY *of* EMERGENCY RADIOLOGY

25<sup>th</sup>  
Anniversary

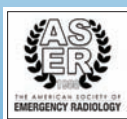
2013 Postgraduate Course in Emergency and Trauma Radiology



**October 9 – 12, 2013**  
**Hyatt Regency Cambridge**  
**Cambridge, Massachusetts**  
(Overlooking Boston)

## PROGRAM HIGHLIGHTS

- Trauma Head-to-Toe – Two-Day Categorical Course
- Four Founders' Sessions, and Events Celebrating the 25th Anniversary
- SAM: Neuroradiology Emergencies
- SAM: Torso Trauma
- Stroke Imaging
- Forensic and Combat Imaging
- Quality Improvement in Emergency Radiology
- New Education and Informatics Sessions
- Scientific Papers, Posters, and Expanded Case-of-the-Day Sessions



[www.erad.org](http://www.erad.org)



## COURSE OVERVIEW AND INTENDED AUDIENCE



The 2013 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 community and academic centers, whom are delivering emergency care. Subspecialists in emergency radiology, neuroradiology, musculoskeletal radiology, chest and abdominal radiology, pediatric radiology, radiology residents and fellows, and medical students with an interest in radiology, as well as 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. [Additionally, the ASER is offering complimentary registration for this two-day course to the first 60 residents and fellows interested in emergency radiology.](#)

## MEETING GOALS AND LEARNING OBJECTIVES

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

1. Identify which imaging modalities are appropriate for the identification and characterization of multi-system injuries among poly-trauma victims (multi-detector computed tomography, ultrasound, magnetic resonance imaging, and conventional radiography), and be able to accurately recognize and characterize such injuries on these modalities.
2. Optimize imaging protocols using available tools to minimize radiation dose for patients of all ages, without compromising diagnostic capability. Additionally, to understand current approaches towards other general and specific issues in quality and safety in emergency radiology, including practice management, communication of results, and peer review.
3. Recognize, characterize, and stage acute thoracic, and abdominal and pelvic, non-traumatic emergencies using ultrasound, computed tomography, and magnetic resonance imaging.
4. Accurately diagnose non-traumatic neuroradiology emergencies, including intracranial and head and neck infection, as well as non-traumatic intracranial hemorrhage.



## CME ACCREDITATION AND CREDIT DESIGNATION

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship 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 28.75 *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 – Torso 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, “[Neuroradiology Emergencies](#)”, 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 with high yield of clinically relevant information.
- CME: This activity is approved for 28.75 *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 on a CD-ROM. If you would like access to the presentation slides during the course, we suggest you bring your own laptop computer.*





## ASER 2013 FACULTY LISTING

**Robert M. Abbott, MD, FACR**

Advanced Radiology  
Baltimore, MD

**Hani Abujudeh, MD, MBA**

Massachusetts General Hospital  
Boston, MA

**Qanta A. Ahmed, MD**

Winthrop-University Hospital  
Mineola, NY

**Stephan W. Anderson, MD**

Boston Medical Center  
Boston, MA

**Ashwin Asrani, MD**

New York-Presbyterian/  
Weill Cornell Medical Center  
New York, NY

**Laura Avery, MD**

Massachusetts General Hospital  
Boston, MA

**Dominic A. Barron, FRCR**

The General Infirmary at Leeds  
Leeds, United Kingdom

**Lily M. Belfi, MD**

New York Presbyterian Hospital  
New York, NY

**Ferco H. Berger, MD**

VU University Medical Center  
Amsterdam, The Netherlands

**Mark P. Bernstein, MD**

NYU Langone Medical Center/  
Bellevue Hospital  
New York, NY

**Ronald M. Bilow, MD, FASER**

Memorial Hermann Hospital  
Houston, TX

**Jamal Bokhari, MD**

Yale-New Haven Hospital  
New Haven, CT

**Eric Brandser, MD**

Radiology Associates of  
North Kentucky  
Edgewood, KY

**Marc A. Camacho, MD, MS**

Sarasota Memorial Hospital  
Sarasota, FL

**Paul J. Chang, MD, FSIIM**

University of Chicago Hospitals  
Chicago, IL

**Suzanne Chong, MD, MS**

University of Michigan  
Health System  
Ann Arbor, MI

**Alasdair K. Conn, MD**

Massachusetts General Hospital  
Boston, MA

**Gary Danton, MD, PhD**

Jackson Memorial Hospital  
Miami, FL

**John P. Fantauzzi, MD**

Albany Medical Center  
Albany, NY

**Kathleen R. Fink, MD**

University of Washington  
School of Medicine  
Seattle, WA

**Andrew J. Fisher, MD, MBA**

Radiology Imaging Associates  
Denver, CO

**Joel A. Gross, MD**

Harborview Medical Center  
Seattle, WA

**Martin Gunn, MB ChB, FRANZCR**

Harborview and University  
of Washington Medical Centers  
Seattle, WA

**Matthew T. Heller, MD**

UPMC-Presbyterian  
University Hospital  
Pittsburgh, PA

**Keith D. Hentel, MD**

New York Presbyterian Hospital  
New York, NY

**Tracey Hillier, MD**

University of Alberta  
Edmonton, Alberta, Canada

**Paul M. Jaffray, MB BS**

University of Maryland Medical Center  
Baltimore, MD

**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

**Nalini Kanth, MD**

Nassau University Medical Center  
East Meadow, NY

**Douglas S. Katz, MD, FACR**

Winthrop-University Hospital  
Mineola, NY

**Bharti Khurana, MD**

Brigham and Women's Hospital  
Boston, MA

**Kate A. Klein, MD**

University of Michigan  
Health System  
Ann Arbor, MI

**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

**Ken F. Linnau, MD, MS**

Harborview Medical Center  
Seattle, WA

**Charles R. Luttenton, MD, FACR**

Spectrum Health  
Grand Rapids, MI



**F.A. Mann, MD**

Seattle Radiologists, APC  
Seattle, WA

**Evan M. Meiner, MD**

North Shore University Hospital  
Manhasset, NY

**Vincent M. Mellnick, MD**

Mallinckrodt Institute of Radiology  
St. Louis, MO

**Christine O. Menias, MD**

Mayo Clinic  
Scottsdale, AZ

**Stuart E. Mirvis, MD, FACP**

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

**Felipe Munera, MD**

Jackson Memorial Hospital—  
Ryder Trauma Center  
Miami, FL

**Refky Nicola, MS, DO**

University of Rochester  
Medical Center  
Rochester, NY

**Savvas Nicolaou, MD, FRCPC**

Vancouver General Hospital  
Vancouver, British Columbia, Canada

**Koenraad (Hans) Nieboer, MD**

Universitair Ziekenhuis Brussel  
Brussels, Belgium

**Robert A. Novelline, MD, FACP**

Massachusetts General Hospital  
Boston, MA

**Diego B. Nuñez, MD, MPH**

Yale-New Haven Hospital  
New Haven, CT

**Ellen S. Park, MD**

Cleveland Clinic  
Cleveland, OH

**Thomas Ptak, MD, PhD, MPH**

Massachusetts General Hospital  
Boston, MA

**Constantine A. Raptis, MD**

Washington University Physicians  
St. Louis, MO

**Sravanthi Reddy, MD**

Los Angeles County—  
USC Medical Center  
Los Angeles, CA

**John Ritter, MD**

San Antonio Military Medical Center  
Fort Sam Houston, TX

**Luis A. Rivas, MD**

Jackson Memorial Hospital—  
Ryder Trauma Center  
Miami, FL

**Lee F. Rogers, MD, FACP**

University Medical Center  
Tucson, AZ

**Penny Saxon, MD**

Zwanger Pesiri Radiology  
Lindenhurst, NY

**Mariano Scaglione, MD**

Pineta Grande Medical Center  
Castel Volturno, Caserta, Italy

**Luke R. Scalcione, MD**

The University of Arizona  
Health Network  
Tucson, AZ

**Pamela Schaefer, MD**

Massachusetts General Hospital  
Boston, MA

**Shetal N. Shah, MD**

Cleveland Clinic  
Cleveland, OH

**K. Shanmuganathan, MD**

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

**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

**Stacy E. Smith, MD**

Brigham and Women's Hospital  
Boston, MA

**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

**Leonard E. Swischuk, MD**

University of Texas Medical Branch  
Galveston, TX

**Rick van Rijn, MD, PhD**

Netherland Forensic Institute  
The Hague, The Netherlands

**Johnny Vlahos, MD, FRCR**

St. George's Hospital London  
London, United Kingdom

**O. Clark West, MD, FACP**

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 10/9/13 – 10/12/13

7:15 AM – 8:15 AM	Continental Breakfast
7:15 AM – 5:30 PM	Registration, Scientific and Educational Posters, Cases-of-the-Day and Exhibit Hours

## WEDNESDAY 10/9/13

8:00 AM – 8:05 AM	Welcome and Opening Remarks	Susan D. John, MD
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### Founders' Session I *Moderator: Robert A. Novelline, MD, FACR*

8:05 AM – 8:35 AM	Founding, First 25 Years, and Future of ASER	Robert A. Novelline, MD, FACR
8:35 AM – 9:05 AM	25 Years of Advances in Trauma Imaging	Stuart E. Mirvis, MD, FACR
9:05 AM – 9:35 AM	25 Years of Advances in Emergency Care	Alasdair K. Conn, MD
9:35 AM – 10:05 AM	25 Years of Advances in Information Technology	Paul Chang, MD, FSIIM
10:05 AM – 10:15 AM	Question and Answer Session	
10:15 AM – 10:30 AM	Break and Poster Presentation Session I	

### Trauma Head-to-Toe – Spine Trauma *Moderators: Gary Danton, MD, PhD; Ken F. Linnau, MD, MS*

10:30 AM – 10:55 AM	Imaging of Cervical Spine Trauma	Stuart E. Mirvis, MD, FACR
10:55 AM – 11:20 AM	Imaging of Thoracic Spine Trauma	Ken F. Linnau, MD, MS
11:20 AM – 11:45 AM	Easily Missed Lumbar Spine Injuries	Mark P. Bernstein, MD
11:45 AM – 11:55 AM	Question and Answer Session	
11:55 AM – 12:10 PM	Break and Poster Presentation Session II	
12:10 PM – 1:10 PM	ASER Lunch with Scientific Session I (Closed Session – Members Only) <i>Moderator: Matthew T. Heller, MD</i>	
1:10 PM – 1:25 PM	Break	

### Trauma Head-to-Toe – Musculoskeletal Trauma I *Moderators: F.A. Mann, MD; Joseph S. Yu, MD*

1:25 PM – 1:45 PM	The Common (and Not So Common) Dislocations of the Shoulder	Lee F. Rogers, MD, FACR
1:45 PM – 2:05 PM	Elbow Trauma	Bharti Khurana, MD
2:05 PM – 2:25 PM	Imaging of Wrist Injuries	O. Clark West, MD, FACR
2:25 PM – 2:45 PM	Hand and Thumb Injuries	Joseph S. Yu, MD
2:45 PM – 3:05 PM	Pelvic and Acetabular Fractures	Eric Brandser, MD
3:05 PM – 3:15 PM	Question and Answer Session	
3:15 PM – 3:30 PM	Break and Poster Presentation Session III	

### Trauma Head-to-Toe – Thoracic Trauma *Moderators: Nalini Kanth, MD; Scott Steenburg, MD*

3:30 PM – 3:55 PM	Overview of Imaging of Thoracic Trauma	Johnny Vlahos, MD, FRCR
3:55 PM – 4:20 PM	CT of Minimal Aortic Injuries	Luis A. Rivas, MD
4:20 PM – 4:45 PM	MDCT of Blunt and Penetrating Diaphragmatic Injury	Felipe Munera, MD
4:45 PM – 5:10 PM	Imaging of Thoracic Trauma – Case-based Review	Constantine A. Raptis, MD
5:10 PM – 5:20 PM	Question and Answer Session	
5:20 PM	Adjourn	
5:30 PM – 7:00 PM	Welcome Reception - Join us for light hors d'oeuvres and a hosted bar	



**THURSDAY 10/10/2013**

**Wednesday Case-of-the-Day Presentations** *Moderator: Andrew J. Fisher, MD, MBA*

7:30 AM – 7:55 AM Wednesday Case-of-the-Day Presentations

**Founders' Session II** *Moderator: Robert A. Novelline, MD, FACR*

7:55 AM – 8:15 AM Advances in Spine Trauma Imaging Diego B. Nuñez, MD, MPH

**Trauma Head-to-Toe – Musculoskeletal Trauma II**

*Moderators: Bharti Khurana, MD; Manickam Kumaravel, MD, FRCR*

8:15 AM – 8:35 AM Femoral Neck Fractures Dominic A. Barron, FRCR

8:35 AM – 8:55 AM Biomechanical Approach to Knee Trauma in the ED Ashwin Asrani, MD

8:55 AM – 9:15 AM Classification of Ankle Fractures Luke R. Scalcione, MD

9:15 AM – 9:35 AM Calcaneal CT: From Crashing to Walking Manickam Kumaravel, MD

9:35 AM – 9:55 AM Imaging of Motorcycle Injuries Stacy E. Smith, MD

9:55 AM – 10:05 AM Question and Answer Session

10:05 AM – 10:20 AM Break and Poster Presentation Session IV

**Trauma Head-to-Toe – Neuro Trauma** *Moderators: Felipe Munera, MD; Diego B. Nuñez, MD, MPH*

10:20 AM – 10:45 AM Traumatic Brain Injury: CT and Basic MR Diego B. Nuñez, MD, MPH

10:45 AM – 11:10 AM Traumatic Brain Injury: Advanced Imaging Koenraad (Hans) Nieboer, MD

11:10 AM – 11:35 AM MDCT Maxillofacial Trauma: Saving Face Mark P. Bernstein, MD

11:35 AM – 12:00 PM Blunt Vascular Neck Injuries Savvas Nicolaou, MD

12:00 PM – 12:25 PM Imaging Skull Base Fractures: Building a Strong Foundation Clint W. Sliker, MD

12:25 PM – 12:35 PM Question and Answer Session

12:35 PM – 12:50 PM Break and Poster Presentation Session V

12:50 PM – 1:50 PM ASER Lunch with Scientific Session II (Closed Session – Members Only)

*Moderator: Jamlik-Omari Johnson, MD*

1:50 PM – 2:05 PM Break

**Trauma Head-to-Toe – Self-Assessment Module – Torso Trauma**

*Moderators: Paul M. Jaffray, MB BS; K. Shanmuganathan, MD*

2:05 PM – 2:35 PM Early CT of Polytrauma Patients Martin Gunn, MB ChB, FRANZCR

2:35 PM – 3:05 PM MDCT of Solid Abdominal Organ Injury K. Shanmuganathan, MD

3:05 PM – 3:35 PM Bowel and Mesenteric Injuries in Blunt Abdominal Trauma Stephan W. Anderson, MD

3:35 PM – 3:45 PM Question and Answer Session

3:45 PM – 4:00 PM Break and Poster Presentation Session VI

**Trauma Head-to-Toe – Combat and Forensic Radiology** *Moderators: Ferco H. Berger, MD; Joel A. Gross, MD*

4:00 PM – 4:25 PM Radiology of Gunshot Injuries Anthony J. Wilson, MB ChB

4:25 PM – 4:45 PM Radiology of Drug Smuggling Ferco H. Berger, MD

4:45 PM – 5:05 PM Combat Imaging in Afghanistan John Ritter, MD

5:05 PM – 5:25 PM Radiology in a Disaster Zone: The Canadian Forces Haitian Earthquake Experience Tracey Hillier, MD



5:25 PM – 5:35 PM	Question and Answer Session
5:35 PM	Adjourn
6:30 PM – 9:30 PM	ASER Social Event: 'Chowda' Cook-off Competition (Separate Registration Required)

## FRIDAY 10/11/13

7:00 AM – 7:30 AM	ASER Business Meeting
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### Thursday Case-of-the-Day Presentations *Moderator: Andrew J. Fisher, MD, MBA*

7:30 AM – 7:55 AM	Thursday Case-of-the-Day Presentations
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### Founders' Session III *Moderator: Robert A. Novelline, MD, FACR*

7:55 AM – 8:15 AM	Advances in Transfer of Medical Images of Trauma Patients	O. Clark West, MD, FACR
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### Pediatric Imaging *Moderators: Ronald M. Bilow, MD, FASER; Susan D. John, MD*

8:15 AM – 8:35 AM	Update on Advances in Radiation Dose Reduction in the Pediatric ED	Susan D. John, MD
8:35 AM – 8:55 AM	Pediatric Abdominal Emergencies	Leonard E. Swischuk, MD
8:55 AM – 9:15 AM	The Limping Child	Ellen S. Park, MD
9:15 AM – 9:35 AM	Forensic Imaging in Child Abuse	Rick van Rijn, MD, PhD
9:35 AM – 9:55 AM	Pediatric Acute Scrotum: Tips and Pitfalls	Carlos J. Sivit, MD
9:55 AM – 10:05 AM	Question and Answer Session	
10:05 AM – 10:20 AM	Break and Poster Presentation Session VII	

### Self-Assessment Module – Neuroradiology Emergencies

*Moderators: Wayne S. Kubal, MD; Savvas Nicolaou, MD*

10:20 AM – 10:45 AM	Intracranial Infection	Kathleen R. Fink, MD
10:45 AM – 11:10 AM	Non-traumatic Intracranial Hemorrhage	Michele H. Johnson, MD
11:10 AM – 11:35 AM	Face and Neck Infection: What You Really Need to Know	Wayne S. Kubal, MD
11:35 AM – 11:45 AM	Question and Answer Session	

### Emergency Radiology Quality and Safety Session *Moderators: Sravanthi Reddy, MD; O. Clark West, MD, FACR*

11:45 AM – 12:10 PM	Strategies for CT Radiation Dose Reduction	Aaron Sodickson, MD, PhD
12:10 PM – 12:35 PM	Emergency Radiology Quality Assurance: Academic Practice	Jamal Bokhari, MD
12:35 PM – 1:00 PM	Emergency Radiology Quality Assurance: Private Practice	Robert M. Abbott, MD, FACR
1:00 PM – 1:25 PM	Radiology-Emergency Medicine Communication and Quality Assurance: The Emergency Medicine Physician's Perspective	Evan M. Meiner, MD
1:25 PM – 1:35 PM	Question and Answer Session	
1:35 PM	Adjourn	
2:00 PM – 5:00 PM	Massachusetts General Hospital Emergency Center Tour (Separate Registration Required)	

## SATURDAY 10/12/13

### Friday Case-of-the-Day Presentations *Moderator: Vincent M. Melnick, MD*

7:30 AM – 7:55 AM	Friday Case-of-the-Day Presentations
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### Founders' Session IV *Moderator: Robert A. Novelline, MD, FACR*

7:55 AM – 8:15 AM	Advances in Off-hours Emergency Radiology Coverage	F.A. Mann, MD
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**Abdominal and General Imaging** *Moderators: Douglas S. Katz, MD, FACR; Penny Saxon, MD*

8:15 AM – 8:40 AM	Imaging of Acute Pancreatitis	Jorge A. Soto, MD
8:40 AM – 9:05 AM	CT of Small Bowel Obstruction	Christine O. Menias, MD
9:05 AM – 9:30 AM	Complications of Tumor Therapy	Shetal N. Shah, MD
9:30 AM – 9:55 AM	Sonography of the Acute Female Pelvis	Refky Nicola, MS, DO
9:55 AM – 10:20 AM	Dual-energy CT in the Acute Care Setting: Focus on Thorax, Abdomen, and Musculoskeletal Applications	Savvas Nicolaou, MD, FRCPC
10:20 AM – 10:30 AM	Question and Answer Session	
10:30 AM – 10:45 AM	Break and Poster Presentation Session VIII	

**Emergency Radiology Informatics and Radiology Education**

*Moderators: Marc A. Camacho, MD, MS; Suzanne Chong, MD, MS*

10:45 AM – 11:05 AM	Informatics in Emergency Radiology Part I	Keith D. Hentel, MD
11:05 AM – 11:25 AM	Informatics in Emergency Radiology Part II	Gary Danton, MD, PhD
11:25 AM – 11:45 AM	Maintenance of Certification	Kate A. Klein, MD
11:45 AM – 12:05 PM	Teaching Emergency Radiology to Medical Students and Residents	Lily M. Belfi, MD
12:05 PM – 12:25 PM	Sleep and the Emergency Radiologist	Qanta A. Ahmed, MD
12:25 PM – 12:35 PM	Question and Answer Session	
12:35 PM – 12:50 PM	Break and Poster Presentation Session IX	
12:50 PM – 1:50 PM	ASER Lunch with Scientific Session III (Closed Session for Members Only) <i>Moderator: Mariano Scaglione, MD</i>	

**Saturday Case-of-the-Day Presentations** *Moderator: Vincent M. Mellnick, MD*

1:50 PM – 2:15 PM	Saturday Case-of-the-Day Presentations	
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**Special Neuroradiology Lecture** *Moderator: Thomas Ptak, MD, PhD, MPH*

2:15 PM – 2:20 PM	Introduction of Dr. Pamela Schaefer, Immediate Past President, ASNR	Thomas Ptak, MD, PhD, MPH
2:20 PM – 3:00 PM	Acute Stroke Imaging	Pamela Schaefer, MD
3:00 PM – 3:05 PM	Question and Answer Session	
3:05 PM – 3:20 PM	Break	

**Thoracic and General Imaging** *Moderators: Martin Gunn, MB ChB, FRANZCR; Charles R. Luttenton, MD, FACR*

3:20 PM – 3:45 PM	Imaging of Thoracic Aortic Dissection	Stephen Ledbetter, MD, MPH
3:45 PM – 4:10 PM	Cardiac CT in the ED	John P. Fantauzzi, MD
4:10 PM – 4:35 PM	Imaging of Iatrogenic Thoracic Conditions	Laura Avery, MD
4:35 PM – 5:00 PM	Peer Review in Clinical Radiology	Hani Abujudeh, MD, MBA
5:00 PM – 5:10 PM	Question and Answer Session	
5:10 PM	Adjourn	
6:00 PM – 9:00 PM	Awards Ceremony and Closing Reception	



## 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 US Dollars

	On or Before 9/3/13	After 9/3/13	One Day	On-Site†
ASER Member	\$645	\$745	\$250	\$770
Non-Member (Physician)	\$795	\$895	\$300	\$920
ASER Member in Training*	\$370	\$470	\$125	\$495
Non-Member in Training*	\$470	\$570	\$150	\$595
Allied Health Professional**	\$470	\$570	\$150	\$595
Two-Day Trauma				
Head-to-Toe Course***	Complimentary			

*\*Proof of resident and fellow status must be emailed to [aser@meetingmanagers.com](mailto:aser@meetingmanagers.com).*

*\*\*Certificates of attendance will be available.*

*\*\*\*Offer for residents and fellows in emergency radiology only and is limited to the first 60 registrants. Proof of resident and fellow status must be emailed to [aser@meetingmanagers.com](mailto:aser@meetingmanagers.com).*

### Optional Activities

Guest Daily Continental Breakfasts	\$120
Self-Assessment Module – SAM Credit	\$35
ASER Social Event: ‘Chowda’ Cook-off Competition*	\$55
Massachusetts General Hospital Emergency Center Tour*	\$35

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

### Registration Dates

The early bird advanced registration deadline is Tuesday, September 3. Registrations received after this date will be charged an additional \$100, as noted in the registration fees.

*†Online registration will close Sunday, September 29. 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, September 26**. No refunds will be made after this date.

### MEETING MANAGEMENT

Angie Lau, 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

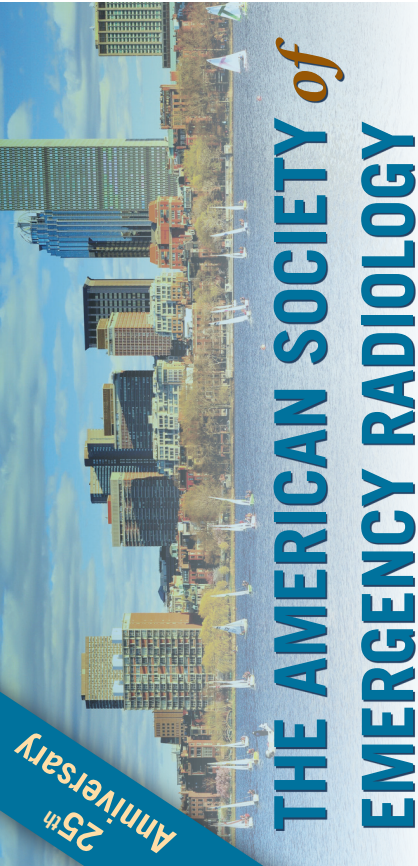
#### Hyatt Regency Cambridge (Overlooking Boston)

575 Memorial Drive  
Cambridge, Massachusetts 02139  
Reservations: 1.888.421.1442

\$205.00 Single/Double Standard Room  
(Applicable taxes, currently 14.45%)  
Group block deadline: September 16



Please visit [www.erad.org](http://www.erad.org) for detailed hotel and travel information including discount codes for travel arrangements.



**25<sup>th</sup> Anniversary**

# THE AMERICAN SOCIETY *of* EMERGENCY RADIOLOGY

**2013 Postgraduate Course in Emergency and Trauma Radiology**

## FEATURED FOUNDERS' SESSION SPEAKERS:

Paul J. Chang, MD, FSIIM

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