

AMERICAN SOCIETY *of* EMERGENCY RADIOLOGY

2016 Postgraduate Course in Emergency and Trauma Radiology

September 14 – 17, 2016
Hyatt Regency San Francisco
San Francisco, California

PROGRAM HIGHLIGHTS

Trauma Head-to-Toe: Two-Day Categorical Course
with Special Focused Sessions Including:

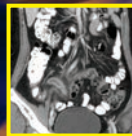
- CT Protocol Issues in Trauma
- Essential Cases from Head-to-Toe
- Unusual Cases from Head-to-Toe
- Mass Casualty
- Pediatric Trauma

Multiple Practice Models in Covering Imaging
in the ED Self-Assessment Modules (SAMS):

- Chest Pain
- Stroke in the ER

Chest Pain Presenting to the ED Focused
Sessions on:

- Exploring Small Bowel Obstruction
Presenting to the ED
- Imaging the Pregnant Patient
- Imaging of Musculoskeletal Infections



THE AMERICAN SOCIETY OF
EMERGENCY RADIOLOGY



COURSE OVERVIEW AND INTENDED AUDIENCE



The 2016 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).
6. Understand the various staffing models used in a variety of ED settings.



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 30.75 *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

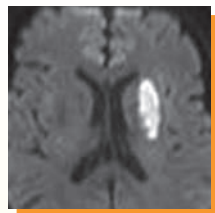
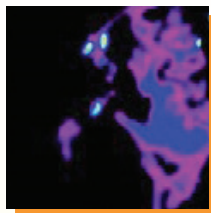
The Self-Assessment Module (SAM) presented in this activity, “*Stroke in the ER*”, is qualified by the American Board of Radiology in meeting the criteria for self-assessment toward the purpose of fulfilling requirements in the ABR Maintenance of Certification Program. The new session, “*Chest Pain*”, 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 30.75 *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, 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.*





2016 ASER FACULTY LISTING

Hani Abujudeh, MD, MBA
Cooper University Hospital
of Rowan University
Camden, NJ

Anjali Agrawal, MD
Teleradiology Solutions
Delhi, India

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

Krystal Archer-Arroyo, MD
University of Maryland School of Medicine
Baltimore, MD

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

Laura Avery, MD
Massachusetts General Hospital
Boston, MA

Jonathan Baker, MD
Mallinckrodt Institute of Radiology
St. Louis, MO

Nicholas M. Beckmann, MD
University of Texas
Health Science Center
Houston, TX

Ludo F. Beenen, MD
Academic Medical Center
Amsterdam, Netherlands

Frank Bensch, MD
Helsinki University Central Hospital
Helsinki, Uusimaa, Finland

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
UT Health – McGovern Medical School/
Texas Trauma Institute - Memorial Hermann
Houston, TX

Jamal Bokhari, MD
Yale - New Haven Hospital
New Haven, CT

Marc A. Camacho, MD, MS
University of South Florida
College of Medicine
Tampa, FL

Suresh Cheekatla, MD
UT Health – The University of Texas
Health Science Center at Houston
Houston, TX

Suzanne Chong, MD, MS
University of Michigan Health System
Ann Arbor, MI

Calvin Chou, MD, PhD
University of California San Francisco
San Francisco, CA

Kristopher Cummings, MD
Mayo Clinic
Phoenix, AZ

Gary Danton, MD, PhD
University of Miami
Miami, FL

David DiSantis, MD
Mayo Clinic
Jacksonville, FL

William Ery, MD
University of Arizona
Health Science Center
Tucson, AZ

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

Michael Friedman, MD
Mallinckrodt Institute of Radiology
St. Louis, MO

Jonathan Go, MD
Keck School of Medicine of USC
Los Angeles, CA

Johannes Godt, MD
Oslo University Hospital
Oslo, Norway

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

Scott A. Hamlin, MD
Emory University Hospital
Atlanta, GA

Tarek Hanna, MD
Emory University Hospital
Atlanta, GA

Stephen F. Hatem, MD
Cleveland Clinic
Cleveland, OH

Terrence Healey, MD
Rhode Island Medical Imaging
Providence, RI

Travis Henry, MD
University of California San Francisco
San Francisco, CA

Keith Herr, MD
Emory University
Atlanta, GA

Paul Jaffray, MD
University of Southern California
Los Angeles, CA

Jamlik-Omari Johnson, MD
Emory University School of Medicine
Atlanta, GA

Michele H. Johnson, MD
Yale University School of Medicine
New Haven, CT

Sean K. Johnston, MD
University of Southern California
Los Angeles, CA

Gayatri Joshi, MD
Emory University School of Medicine
Atlanta, GA

Douglas S. Katz, MD, FACP
Winthrop-University Hospital
Mineola, NY

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

David H. Kim, MD
University of Wisconsin
School of Medicine and Public Health
Madison, WI

Peter Kranz, MD
Duke University School of Medicine
Durham, NC

Wayne S. Kubal, MD
University of Arizona
Tucson, AZ

Manickam Kumaravel, MD, FRCP
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

Michael H. Lev, MD, FAHA, FACP
Massachusetts General Hospital
Boston, MA



Robin B. Levenson, MD

Beth Israel Deaconess Medical Center
Boston, MA

Ken F. Linnau, MD, MS

UW Medicine Harborview
Medical Center
Seattle, WA

Brent Little, MD

Emory University School of Medicine
Atlanta, GA

Luck Louis, MD

Vancouver Coastal Health
Research Institute
Vancouver, British Columbia, Canada

Meghan G. Lubner, MD

University of Wisconsin
School of Medicine and Public Health
Madison, WI

Reena Malhotra, MD

Northwell Health System
Manhasset, NY

Jonathan Mates, MD

Kaiser Permanente Health System
Walnut Creek, CA

Patrick D. McLaughlin, FFR RCSI

Vancouver General Hospital
Vancouver, British Columbia, Canada

Vincent M. Mellnick, MD

Mallinckrodt Institute of Radiology
St. Louis, MO

Felipe Munera, MD

Jackson Memorial Hospital-Ryder
Trauma Center
University of Miami
Miami, FL

Lee Myers, MD

University of Southern California
Los Angeles, CA

Refky Nicola, MS, DO

University of Rochester Medical Center
Rochester, NY

Savvas Nicolaou, MD, FRCPC

Vancouver General Hospital
Vancouver, British Columbia, Canada

Robert A. Novelline, MD, FACP

Massachusetts General Hospital
Boston, MA

Diego Nuñez, MD, MPH, FACP

Brigham & Women's Hospital
Boston, MA

Timothy W. O'Connell, M.Eng, MD

Vancouver General Hospital
Vancouver, British Columbia, Canada

Joseph Owen, MD

Mallinckrodt Institute of Radiology
St. Louis, MO

Rex Parker, MD, FACP

Kaiser Permanente Medical Center
Los Angeles, CA

Michael N. Patlas, MD, FRCPC

Hamilton General Hospital
Hamilton, Ontario, Canada

Christine Peterson, MD

Penn State Milton S. Hershey
Medical Center
Hershey, PA

Ryan B. Peterson, MD

Emory University School of Medicine
Atlanta, GA

Perry J. Pickhardt, MD

University of Wisconsin School of
Medicine and Public Health
Madison, WI

Christopher A. Potter, MD

Brigham and Women's Hospital
Boston, MA

Thomas Ptak, MD, PhD

Marcus Trauma Center and
Grady Memorial Hospital
Emory School of Medicine
Atlanta, GA

Kawan S. Rakhra, MD, FRCPC

The Ottawa Hospital
Ottawa, Ontario, Canada

Constantine A. Raptis, MD

Mallinckrodt Institute of Radiology
St. Louis, MO

Sravanthi Reddy, MD

University of Southern California
Los Angeles, CA

Michael D. Repplinger, MD, PhD, FACEP

University of Wisconsin School of
Medicine and Public Health
Madison, WI

Claire K. Sandstrom, MD

Harborview Medical Center
Seattle, WA

K. Shanmuganathan, MD

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

Adnan M. Sheikh, MD

Ottawa Hospital
Ottawa, Ontario, Canada

Vilaas S. Shetty, MD

Saint Louis University
School of Medicine
St. Louis, MO

Elizabeth Sheybani, MD

St. Louis Children's Hospital
St. Louis, MO

Clint W. Sliker, MD

University of Maryland
School of Medicine
Baltimore, MD

Aaron Sodickson, MD, PhD

Brigham and Women's Hospital
Boston, MA

Jorge A. Soto, MD

Boston Medical Center
Boston, MA

Susanna C. Spence, MD

University of Texas Health
Science Center
Houston, TX

Sreevathsan Sridhar, MD

Mallinckrodt Institute of Radiology
St. Louis, MO

Scott Steenburg, MD

Indiana University School of Medicine
Indiana University
Indianapolis, IN

Ting Yin Tao, MD, PhD

Cardinal Glennon Children's Hospital
St. Louis, Missouri

Carlos Torres, MD, FRCPC

University of Ottawa,
The Ottawa Hospital
Ottawa, Ontario, Canada

Jennifer W. Uyeda, MD

Brigham and Women's Hospital
Boston, MA

Joseph S. Yu, MD

Wexner Medical Center at
The Ohio State University
Columbus, OH



DAILY - 9/14/16 - 9/17/16

7:00 AM – 8:00 AM	Continental Breakfast
7:00 AM – 5:30 PM	Registration, Scientific and Educational Posters, Cases-of-the-Day and Exhibit Hours

WEDNESDAY, 9/14/16

7:30 AM – 7:35 AM	Welcome and Opening Remarks	Mark P. Bernstein, MD
Founders' Session <i>Moderator: Sanjeev Bhalla, MD</i>		
7:35 AM – 7:40 AM	Introduction of Wayne S. Kubal, MD	Sanjeev Bhalla, MD
7:40 AM – 8:20 AM	Updated Imaging of Brain and Spinal Cord Trauma	Wayne S. Kubal, MD
8:20 AM – 8:50 AM	The ART and Science of Feedback in Clinical Education	Calvin Chou, MD, PhD
8:50 AM – 9:05 AM	Informatics Solutions for Real-World Problems in Emergency Radiology	Timothy W. O'Connell, M.Eng, MD
9:05 AM – 9:20 AM	Quality Metrics in the ED	Hani Abujudeh, MD, MBA
9:20 AM – 9:30 AM	Question and Answer Session	
9:30 AM – 9:45 AM	Break and Poster Presentation Session I	
Trauma Head-to-Toe: Protocol Issues <i>Moderator: Vincent M. Mellnick, MD</i>		
9:45 AM – 10:00 AM	Trauma CT Technique and Radiation Dose Considerations	Aaron Sodickson, MD, PhD
10:00 AM – 10:10 AM	Patient-centered Protocols for Abdominal Trauma	Jorge A. Soto, MD
10:10 AM – 10:20 AM	Split Bolus Abdominal CT	Johannes Godt, MD
10:20 AM – 10:30 AM	Enteric Contrast	K. Shanmuganathan, MD
10:30 AM – 10:40 AM	CT Cystography	Gayatri Joshi, MD
10:40 AM – 10:50 AM	CTA in Torso Trauma	Felipe Munera, MD
10:50 AM – 11:00 AM	The Value of ECG Gating	Patrick D. McLaughlin, FFR RCSI
11:00 AM – 11:10 AM	Whole Body CT	Joseph Owen, MD
11:10 AM – 11:20 AM	Question and Answer Session	
11:20 AM – 11:35 AM	Break and Poster Presentation Session II	
11:35 AM – 12:35 PM	Lunch On Your Own	
Trauma Head-to-Toe: Brain <i>Moderator: Carlos Torres, MD, FRCPC</i>		
12:35 PM – 12:50 PM	Don't Miss Trauma Lesions	Kathleen R. Fink, MD
12:50 PM – 1:05 PM	Complications of Head Trauma	Peter Kranz, MD
1:05 PM – 1:20 PM	The Unconscious Patient in the ER: What to Look For!	Carlos Torres, MD, FRCPC
1:20 PM – 1:35 PM	CT and Head Trauma: Use and Overuse	Ludo F. Beenen, MD
1:35 PM – 1:50 PM	Interesting Cases	Jonathan Go, MD
1:50 PM – 2:00 PM	Question and Answer Session	
2:00 PM – 2:15 PM	Break and Poster Presentation Session III	
Trauma Head-to-Toe: Head, Neck and Spine <i>Moderator: Christopher A. Potter, MD</i>		
2:15 PM – 2:30 PM	Four Essential Spine Cases	Ken F. Linnau, MD, MS
2:30 PM – 2:45 PM	TLICS	Vilaas S. Shetty, MD
2:45 PM – 3:00 PM	Spinal Cord Injury	Christopher A. Potter, MD
3:00 PM – 3:15 PM	Sacral Fractures	Nicholas M. Beckman, MD
3:15 PM – 3:30 PM	Demystifying the MidFace	Susanna C. Spence, MD
3:30 PM – 3:45 PM	Four Crazy Cases of Neck Trauma	Scott Steenburg, MD
3:45 PM – 3:55 PM	Question and Answer Session	
3:55 PM – 4:00 PM	Break	



Trauma Head-to-Toe: Thorax <i>Moderator: Travis Henry, MD</i>		
4:00 PM – 4:15 PM	Four Classic Cases	Scott A. Hamlin, MD
4:15 PM – 4:30 PM	Parenchymal Lung Injury	Robert A. Novelline, MD, FACR
4:30 PM – 4:45 PM	Chest Wall Trauma	Jonathan Baker, MD
4:45 PM – 5:00 PM	Cardiac Injury	Patrick D. McLaughlin, FFR RCSI
5:00 PM – 5:15 PM	Diaphragm Injury	Gary Danton, MD, PhD
5:15 PM – 5:30 PM	Crazy Cases of Chest Trauma	Travis Henry, MD
5:30 PM – 5:40 PM	Question and Answer Session	
5:40 PM	Adjourn	
5:40 PM – 5:50 PM	Break	
5:50 PM – 6:30 PM	ASER Business Meeting	
6:30 PM – 7:30 PM	Welcome Reception	

THURSDAY, 9/15/2016

7:15 AM – 7:50 AM	Siemens Healthcare Sponsored Breakfast Session	
8:00 AM – 8:25 AM	Wednesday Cases-of-the-Day Presentations	Refky Nicola, MS, DO
8:25 AM – 8:30 AM	Break	

Trauma Head-to-Toe: Musculoskeletal <i>Moderator: Joseph S. Yu, MD</i>		
8:30 AM – 8:45 AM	Shoulder	Claire K. Sandstrom, MD
8:45 AM – 9:00 AM	Elbow	Bharti Khurana, MD
9:00 AM – 9:15 AM	Common Wrist and Carpal Injuries	Kawan S. Rakhra, MD, FRCPC
9:15 AM – 9:30 AM	Pelvis: Acetabular Fractures	Frank Bensch, MD
9:30 AM – 9:45 AM	Pelvic Ring: Recognizing Injury Patterns and Understanding Stability	Suresh Cheekatla, MD
9:45 AM – 10:00 AM	Musculoskeletal US	Michael Friedman, MD
10:00 AM – 10:20 AM	Avulsion Fractures	Adnan M. Sheikh, MD
10:20 AM – 10:40 AM	Musculoskeletal Trauma Cases	Luck Louis, MD
10:40 AM – 10:50 AM	Question and Answer Session	
10:50 AM – 11:05 AM	Break and Poster Presentation Session IV	

Trauma Head-to-Toe: Abdomen <i>Moderator: Michael N. Patlas, MD, FRCPC</i>		
11:05 AM – 11:20 AM	Four Essential Cases	Marc A. Camacho, MD, MS
11:20 AM – 11:35 AM	Traumatic Injury to the Liver and Spleen: Pearls and Pitfalls	Keith Herr, MD
11:35 AM – 11:50 AM	Bowel and Mesenteric Injury: Pearls and Pitfalls	Michael N. Patlas, MD, FRCPC
11:50 AM – 12:05 PM	Blunt and Penetrating Renal Trauma	Savvas Nicolaou, MD, FRCPC
12:05 PM – 12:20 PM	Managing CT Incidentalomas	Bruce E. Lehnert, MD
12:20 PM – 12:35 PM	Four Crazy Cases	Sean K. Johnston, MD
12:35 PM – 12:45 PM	Question and Answer Session	
12:45 PM – 1:45 PM	Lunch on Your Own	

Trauma Head-to-Toe: Vascular <i>Moderator: Jennifer W. Uyeda, MD</i>		
1:45 PM – 2:00 PM	Case-based Review of Abdominal Vascular Injuries	Jennifer W. Uyeda, MD
2:00 PM – 2:15 PM	CTA of Extremity Trauma	Stephan W. Anderson, MD
2:15 PM – 2:30 PM	MDCT Penetrating Chest Trauma	Krystal Archer-Arroyo, MD
2:30 PM – 2:45 PM	CTA of Pelvic Trauma	Mark P. Bernstein, MD
2:45 PM – 3:00 PM	Case-based Review of Traumatic Vascular Injuries	Felipe Munera, MD



3:00 PM – 3:10 PM	Question and Answer Session	
3:10 PM – 3:25 PM	Break and Poster Presentation Session V	
Trauma Head-to-Toe: Special Issues in Trauma Moderator: Jamlik-Omari Johnson, MD		
3:25 PM – 3:40 PM	Preparing for a Mass Casualty	Jamlik-Omari Johnson, MD
3:40 PM – 3:55 PM	Responding to a Mass Casualty	Joel A. Gross, MD
3:55 PM – 4:10 PM	Accidental Pediatric Neurotrauma	Ryan B. Peterson, MD
4:10 PM – 4:25 PM	Eenie, Meenie, Minie...Ow	Ronald M. Bilow, MD
4:25 PM – 4:40 PM	Pediatric Torso Trauma: Imaging Do's and Don'ts	Suzanne Chong, MD, MS
4:40 PM – 4:55 PM	Non-accidental Trauma	Ting Yin Tao, MD, PhD
4:55 PM – 5:05 PM	Question and Answer Session	
5:05 PM – 5:20 PM	Break and Poster Presentation Session VI	
Trauma Head-to-Toe: Staffing Models in Emergency and After Hours Radiology Moderator: Sravanthi Reddy, MD		
5:20 PM – 5:30 PM	Yale	Jamal Bokhari, MD
5:30 PM – 5:40 PM	Maryland	Clint W. Sliker, MD
5:40 PM – 5:50 PM	USC	Paul Jaffray, MD
5:50 PM – 6:00 PM	MIR	Vincent M. Mellnick, MD
6:00 PM – 6:10 PM	Northwell Health System	Reena Malhotra, MD
6:10 PM – 6:20 PM	Kaiser	Jonathan Mates, MD
6:20 PM – 6:30 PM	International	Anjali Agrawal, MD
6:30 PM – 6:40 PM	Question and Answer Session	
6:40 PM	Adjourn	

FRIDAY, 9/16/2016		
7:30 AM – 9:00 AM	Scientific Session I (Closed Session for ASER Members Only)	
9:00 AM – 9:05 AM	Break	
Self-Assessment Module: Stroke in the ER Moderator: Michael H. Lev, MD, FAHA, FACR		
9:05 AM – 9:30 AM	Selection of Patients for IV and IA Treatment with CT or MRI: The MGH Stroke Imaging Algorithm	Thomas Ptak, MD, PhD, MPH
9:30 AM – 9:55 AM	Global Anoxic Injury	Wayne S. Kubal, MD
9:55 AM – 10:20 AM	Challenging Stroke Cases, Pearls and Pitfalls: What Would You Recommend?	Michele H. Johnson, MD
10:20 AM – 10:45 AM	Advanced Stroke Imaging: Is CTP Necessary or Reliable?	Michael H. Lev, MD, FAHA, FACR
10:45 AM – 10:55 AM	SAM questions	
10:55 AM – 11:10 AM	Discussion, Future Trends	
11:10 AM – 11:15 AM	Summing Up, Take-Home “Pearls”	
11:15 AM – 11:20 AM	ACR Announcement: ACR Education Center	Vinay Sandhir
11:20 AM – 11:35 AM	Break and Poster Presentation Session VII	
11:35 AM – 12:00 PM	Thursday Cases-of-the-Day Presentations	Refky Nicola, MS, DO
12:00 PM – 12:05 PM	Break	
Musculoskeletal Infections Moderator: Manickam Kumaravel, MD, FRCR		
12:05 PM – 12:20 PM	Osteomyelitis	Tarek Hanna, MD
12:20 PM – 12:35 PM	Septic Joint	Ashwin V. Asrani, MD
12:35 PM – 12:50 PM	Diskitis	William Erly, MD
12:50 PM – 1:05 PM	Myositis and Fasciitis	Manickam Kumaravel, MD, FRCR



1:05 PM – 1:20 PM	Periprosthetic Joint and Iatrogenic MSK Infections	Stephen F. Hatem, MD
1:20 PM – 1:35 PM	MSK Cases	Lee Myers, MD
1:35 PM – 1:45 PM	Question and Answer Session	
1:45 PM	Adjourn	

SATURDAY, 9/17/2016

7:30 AM – 9:00 AM	Scientific Session II (Closed Session for ASER Members Only)	
9:00 AM – 9:10 AM	Break	
9:10 AM – 9:35 AM	Friday Cases-of-the-Day Presentations	Refky Nicola, MS, DO
9:35 AM – 9:40 AM	Break	

Focus on Small Bowel Obstruction (SBO) Moderator: Perry J. Pickhardt, MD

9:40 AM – 9:55 AM	Conventional Radiology for SBO: Any point?	David DiSantis, MD
9:55 AM – 10:10 AM	CT for Suspected SBO: Protocol Issues	David H. Kim, MD
10:10 AM – 10:25 AM	CT of SBO - When to Get Worried	Meghan G. Lubner, MD
10:25 AM – 10:40 AM	Closed Loop Obstruction	Laura Avery, MD
10:40 AM – 10:55 AM	SBO: The Clinical Perspective	Michael D. Repplinger, MD, PhD, FACEP
10:55 AM – 11:10 AM	Imaging of Complications After Bariatric Surgery	Christine Peterson, MD
11:10 AM – 11:25 AM	SBO Cases	Perry J. Pickhardt, MD
11:25 AM – 11:35 AM	Question and Answer Session	
11:35 AM – 11:50 AM	Break and Poster Presentation Session VIII	
11:50 AM – 12:50 PM	Lunch On Your Own	

Special Patient Group: Pregnant Patient Moderator: Douglas S. Katz, MD, FACR

12:50 PM – 1:05 PM	General Considerations	Douglas S. Katz, MD, FACR
1:05 PM – 1:20 PM	Neuroimaging	Diego Nuñez, MD, MPH, FACR
1:20 PM – 1:35 PM	Suspected Pulmonary Embolism	Constantine A. Raptis, MD
1:35 PM – 1:50 PM	MR of Right Lower Quadrant Pain	Rex Parker, MD, FACR
1:50 PM – 2:05 PM	Non-obstetrical Pelvic Emergencies	Robin B. Levenson, MD
2:05 PM – 2:20 PM	Obstetrical Emergencies	Reena Malhotra, MD
2:20 PM – 2:35 PM	Abdominal and Pelvic Trauma in the Pregnant Patient	Vincent M. Mellnick, MD
2:35 PM – 2:45 PM	Question and Answer Session	
2:45 PM – 3:00 PM	Break and Poster Presentation Session IX	
3:00 PM – 3:25 PM	Saturday Cases-of-the-Day Presentations	
3:25 PM – 3:30 PM	Break	

Self-Assessment Module: Chest Pain Moderator: Constantine A. Raptis, MD

3:30 PM – 3:45 PM	Anomalous Coronaries	Elizabeth Sheybani, MD
3:45 PM – 4:00 PM	IMH	Stephen Ledbetter, MD, MPH
4:00 PM – 4:15 PM	PAU And Infectious Aneurysms	Terrence Healey, MD
4:15 PM – 4:30 PM	Aortic Fistulae	Sreevathsan Sridhar, MD
4:30 PM – 4:45 PM	Coronary Artery Disease	Brent Little, MD
4:45 PM – 5:00 PM	Pericarditis and Myocarditis	Kristopher Cummings, MD
5:00 PM – 5:10 PM	SAM Questions	Constantine A. Raptis, MD
5:10 PM – 5:20 PM	Question and Answer Session	
5:20 PM	Adjourn	
6:15 PM – 7:00 PM	Award Ceremony	



REGISTRATION INFORMATION

Register online at www.erasd.org

Registration Fees

	On or Before 8/1/16 12pm CST	After 8/1/16 12pm CST	One Day	On-Site† 9/1/16 12pm CST
ASER Member*	\$745	\$845	\$350	\$870
Non-Member (Physician)	\$895	\$995	\$400	\$1,020
ASER Member-in-Training*	\$470	\$570	\$225	\$595
Non Member-in-Training	\$570	\$670	\$250	\$695
Allied Health Professional	\$570	\$670	\$250	\$695
Two-Day Trauma				
Head-to-Toe Course**	\$50	\$50	\$50	\$50

**Existing Members: To be eligible for the discounted member registration rate, member dues must be paid in full through 2016 by the start of the meeting (9/14/16), or your meeting registration will be charged the difference for the non-member fee.*

**New Member Applicants: To be eligible for the discounted member registration rate, the ASER Office must receive your complete membership application by the early-bird registration deadline (8/1/16), or your meeting registration will be charged the difference for the non-member fee.*

***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

Guest Daily Continental Breakfasts	\$120
Self-Assessment Module – MOC Credit	\$35

Registration Dates

The early bird advanced registration deadline is **Monday, August 1st, at 12pm CST**. Registrations received after this date will be charged an additional \$100, as noted in the registration fees.

†Online registration will close Thursday, September 1st at 12pm CST. 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 31st**. No refunds will be made after this date.



Photos courtesy of San Francisco Travel

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

Hyatt Regency San Francisco

5 Embarcadero Center
San Francisco, CA 94111
1.888.591.1234 Reservations
1.415.788.1234 Phone

\$269.00 Single/Double Standard Room*

**For additional room types and fees
please visit www.erad.org*



(Applicable taxes, currently 16.25% and
Tourism Assessment Fee of \$1/night)

The deadline for the group room block is **August 23, 2016**. Reservations received after this date are guaranteed at the group rate, however, they will be confirmed based upon availability.

Please visit www.erad.org for detailed hotel and travel information including discount codes for travel arrangements.

American Society of Emergency Radiology
c/o International Meeting Managers, Inc.
4550 Post Oak Place, Suite 342
Houston, Texas 77027

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2016 Postgraduate Course in Emergency and Trauma Radiology

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