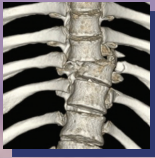


# AMERICAN SOCIETY *of* EMERGENCY RADIOLOGY

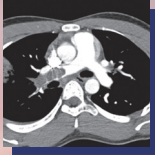
2017 Postgraduate Course in Emergency and Trauma Radiology

September 6 – 9, 2017

The Hilton Toronto • Toronto, Ontario, Canada



- Trauma Head-to-Toe:  
Two-Day Categorical Course
- Founders' Lecture: Trauma Radiology: Where Are We Now?
- Learn from the Masters: Protocols, Post-Processing, and Critical Search Patterns
- Mini MSK Trauma Course
- Thoracic and Vascular Trauma:  
What the Trauma Team Needs to Know
- Mass Casualty and Penetrating Trauma

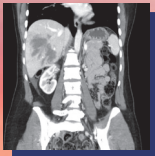


#### New for 2017:

- Audience Response Sessions:  
Common, Weird, and Wonderful Cases

#### Self-Assessment Modules (SAMs):

- Imaging of Chest Pain
- Non-traumatic Abdominal Emergencies



#### Special Topics:

- Imaging of Women and Children in the ED
- Oncological Emergencies



Jointly provided by the American Society  
of Emergency Radiology and Continuing  
Medical Education Resources, Inc.



## COURSE OVERVIEW AND INTENDED AUDIENCE



The 2017 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.

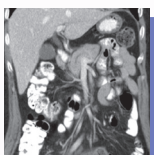
The meeting is of particular interest and importance to clinical radiologists, both in the community and academic centers, delivering emergency care. Subspecialists in emergency radiology, neuroradiology, musculoskeletal radiology, chest and abdominal radiology, radiology residents and fellows, and emergency 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 31.5 *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

Both the, “**Updated! Imaging of Chest Pain**” and “**New! Non-traumatic Abdominal Emergencies**” were submitted to the American Board of Radiology 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 USD fee during the registration process.

## DUAL ENERGY CT HANDS-ON WORKSHOP

Friday, September 8 • 2:00 – 5:00 PM

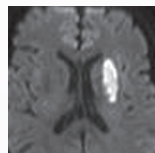
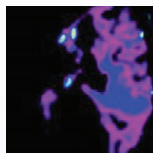
Three Hours of case-based supervised instruction on problem solving individual cases to improve dual energy CT image diagnosis. Please note that there is an additional \$150 USD registration fee for this workshop and participation is limited (maximum of two participants per workstation). Only ASER meeting registrants are eligible to register for a hands-on workshop. This workshop would not be possible without the support of GE Healthcare, Philips Healthcare and Siemens Healthineers.

## 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 31.5 *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.*





## 2017 ASER FACULTY LISTING

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**Adam T. Wright, MD**

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**Joseph S. Yu, MD, FACR\***

Wexner Medical Center at  
The Ohio State University  
Columbus, OH



**DAILY: 9/6/17 – 9/9/17**

6:45 AM – 7:45 AM	Continental Breakfast
7:00 AM – 6:00 PM	Registration, Scientific and Educational Posters, Cases-of-the-Day and Exhibit Hours

**WEDNESDAY, 9/6/17**

7:30 AM – 7:35 AM	Welcome and Opening Remarks	Joseph S. Yu, MD, FACR*
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**Founders' Session** *Moderators: Clint W. Sliker, MD\*; O. Clark West, MD, FACR\**

7:35 AM – 7:40 AM	Introduction of Mark P. Bernstein, MD*	Savvas Nicolaou, MD, FRCPC
7:40 AM – 8:10 AM	Founders' Lecture: Trauma Radiology: Where are We Now?	Mark P. Bernstein, MD*
8:10 AM – 8:25 AM	Introduction to the AOSpine Classification	O. Clark West, MD, FACR*
8:25 AM – 8:40 AM	Compression Injury Morphology	Bharti Khurana, MD
8:40 AM – 8:55 AM	Distraction Injury Morphology	Mark P. Bernstein, MD*
8:55 AM – 9:10 AM	Translation Injury Morphology and Cervical Facet Injuries	Ken F. Linnau, MD, MS
9:10 AM – 9:25 AM	ARS Cases: AOSpine – Putting it All Together	Scott Steenburg, MD
9:25 AM – 9:35 AM	Question and Answer Session	
9:35 AM – 9:50 AM	Break and Poster Presentation Session I	

**Learn from the Masters: Head-to-Toe Imaging – Protocols, Interpretation, Critical Search Patterns, Post-Processing**  
*Moderators: Ferco H. Berger, MD; Luck Louis, MD; Aaron Sodickson, MD, PhD\**

9:50 AM – 10:10 AM	Critical Search Patterns in Trauma: Head, CTA	Srinivasan Mukundan, MD, PhD
10:10 AM – 10:30 AM	Critical Search Patterns in Trauma: C-spine	Luck Louis, MD
10:30 AM – 10:50 AM	Critical Search Patterns in Trauma: Chest	Ferco H. Berger, MD
10:50 AM – 11:10 AM	Critical Search Patterns in Trauma: Abdomen/Pelvis	K. Shanmuganathan, MD*
11:10 AM – 11:30 AM	Critical Search Patterns in Trauma: Post-processing and Reformats	Timothy W. O'Connell, M.Eng, MD
11:30 AM – 11:50 AM	Panel session: How Would You Approach This Case?	
11:50 AM – 12:00 PM	Question and Answer Session	
12:00 PM – 12:15 PM	Break and Poster Presentation Session II	
12:15 PM – 1:15 PM	Lunch On Your Own	

**Trauma Head-to-Toe: Brain and Facial Trauma** *Moderators: Michael H. Lev, MD, FAHA, FACR; Christopher A. Potter, MD*

1:15 PM – 1:30 PM	Don't Miss Brain Trauma Lesions	Kathleen R. Fink, MD
1:30 PM – 1:45 PM	Orbital and Peri-Orbital Trauma: What a Sight!	Robert A. Novelline, MD, FACR*
1:45 PM – 2:00 PM	The Unconscious Patient in the ED: What to Look For	Carlos Torres, MD, FRCPC
2:00 PM – 2:15 PM	Demystifying Midface Fractures	Susanna C. Spence, MD
2:15 PM – 2:30 PM	TBI, DAI and CTE: What the ED Radiologist Needs to Know	Rajiv Gupta, MD, PhD
2:30 PM – 2:45 PM	ARS Cases: Common, Weird and Wonderful Cases	Sean Symons, BASC, MPH, MD, FRCPC, DABR, MBA
2:45 PM – 2:55 PM	Question and Answer Session	
2:55 PM – 3:10 PM	Break and Poster Presentation Session III	

**Trauma Head-to-Toe: Thoracic Trauma** *Moderators: Ken F. Linnau, MD, MS; K. Shanmuganathan, MD\**

3:10 PM – 3:25 PM	Traumatic Aortic Injury: A Minor Problem?	Stuart E. Mirvis, MD, FACR*
3:25 PM – 3:40 PM	Primary Imaging Survey of Thorax Trauma 2017: Xray and US	Rachael M. Edwards, MD
3:40 PM – 3:55 PM	Extra-alveolar Gas in Blunt Thorax Trauma	Pierre-Alexandre Poletti, MD
3:55 PM – 4:10 PM	Penetrating Thorax Trauma: Findings Affecting Management	Krystal Archer-Arroyo, MD
4:10 PM – 4:25 PM	Rib Fractures: Nuisance or Killer?	Mari Nummela, MD
4:25 PM – 4:40 PM	Thoracic Trauma ARS Cases: Common, Weird and Wonderful Cases	Nupur Verma, MD
4:40 PM – 4:50 PM	Question and Answer Session	
4:50 PM – 5:00 PM	Break	
5:00 PM – 7:00 PM	Scientific Session I (Closed Session for ASER Members Only)	
7:00 PM	Adjourn	
7:00 PM – 7:05 PM	Break	
7:05 PM – 7:45 PM	ASER Business Meeting	



<b>THURSDAY, 9/7/2017</b>		
7:30 AM – 8:30 AM	Scientific Session II (Closed Session for ASER Members Only)	
8:30 AM – 8:35 AM	Break	
8:35 AM – 9:00 AM	Wednesday Cases-of-the-Day Oral Presentations	
9:00 AM – 9:05 AM	Break	
<b>Trauma Head-to-Toe: MSK Trauma</b> Moderators: Adnan M. Sheikh, MD; Joseph S. Yu, MD, FACR*		
9:05 AM – 9:25 AM	Shoulder Trauma	Claire K. Sandstrom, MD
9:25 AM – 9:45 AM	Elbow Trauma	Marcos Sampaio, MD
9:45 AM – 10:05 AM	Pelvis and Hip Trauma	Refky Nicola, MS, DO
10:05 AM – 10:25 AM	Knee Trauma	Adnan M. Sheikh, MD
10:25 AM – 10:45 AM	Ankle and Foot Trauma	Joseph S. Yu, MD, FACR*
10:45 AM – 11:00 AM	ARS Cases: Common, Weird and Wonderful Cases	Stacy E. Smith, MD
11:00 AM – 11:10 AM	Question and Answer Session	
11:10 AM – 11:25 AM	Break and Poster Presentation Session IV	
<b>Trauma Head-to-Toe: Abdominal Trauma</b> Moderators: Stephen Ledbetter, MD, MPH*; Mariano Scaglione, MD*		
11:25 AM – 11:40 AM	Liver Injury	Faisal Khosa, MD, MBA
11:40 AM – 11:55 AM	Splenic Injury	Anjali Agrawal, MD
11:55 AM – 12:10 PM	Bowel Injury	Michael O'Keefe, MD
12:10 PM – 12:25 PM	Renal injury	Anthony M. Durso, MD
12:25 PM – 12:40 PM	Dual Energy CT in Abdominal Trauma	Jeremy R. Wortman, MD
12:40 PM – 12:55 PM	ARS Cases: Common, Weird and Wonderful Cases	Elizabeth Dick, MBBS, MRCP, FRCR, MD
12:55 PM – 1:05 PM	Question and Answer Session	
1:05 PM – 2:05 PM	Lunch On Your Own	
<b>Trauma Head-to-Toe: Special Topics in Trauma – Imaging of Mass Casualties and Penetrating Injuries</b> Moderators: Ronald M. Bilow, MD*; Eric A. Roberge, MD		
2:05 PM – 2:20 PM	Ballistic Trauma – the Essentials	Noah G. Ditkofsky, MD, FRCPC
2:20 PM – 2:35 PM	Blast Injury of the Lower Extremities: From the Battlefield to the Home Front	Liem Mansfield, MD
2:35 PM – 2:50 PM	MCI I: Basic Concepts of Mass Casualty	Eric A. Roberge, MD
2:50 PM – 3:05 PM	MCI II: DIY Guide to Response Planning	Ronald M. Bilow, MD*
3:05 PM – 3:20 PM	MCI CT – One Size Fits All	Jamlik-Omari Johnson, MD
3:20 PM – 3:35 PM	ARS Cases: Common, Weird and Wonderful Cases	Junichi Matsumoto, MD, PhD
3:35 PM – 3:45 PM	Question and Answer Session	
3:45 PM – 4:00 PM	Break and Poster Presentation Session V	
<b>Trauma Head-to-Toe: Vascular Trauma</b> Moderators: Stephan W. Anderson, MD; Felipe Munera, MD*		
4:00 PM – 4:15 PM	Neck CTA	Felipe Munera, MD*
4:15 PM – 4:30 PM	Thoracic CTA	Sanjeev Bhalla, MD
4:30 PM – 4:45 PM	Abdominal CTA	Urvi P. Fulwadhva, MD
4:45 PM – 5:00 PM	Pearls and Pitfalls of Pelvic CTA for Bleeding Pelvic Fractures	David Dreizin, MD
5:00 PM – 5:15 PM	Extremity CTA	Gary Danton, MD, PhD
5:15 PM – 5:30 PM	ARS Cases: Common, Weird and Wonderful Cases	Christina Lebedis, MD
5:30 PM – 5:40 PM	Question and Answer Session	
5:40 PM – 5:55 PM	Break and Poster Presentation Session VI	
5:55 PM – 6:40 PM	Awards Ceremony	
6:40 PM	Adjourn	
6:40 PM – 7:40 PM	Welcome Reception	

\*Fellow of the American Society of Emergency Radiology (FASER)



<b>FRIDAY, 9/8/2017</b>		
7:10 AM – 7:45 AM	Siemens Healthcare Sponsored Breakfast Session	
<b>Self-Assessment Module: Chest Pain</b> <i>Moderators: Sanjeev Bhalla, MD; Constantine A. Raptis, MD</i>		
7:50 AM – 8:05 AM	Atypical Aortic Dissections	Constantine A. Raptis, MD
8:05 AM – 8:20 AM	Minimizing Artifacts on PE Protocols	Saurabh Agarwal, MD
8:20 AM – 8:35 AM	Pericardial Causes of Chest Pain	Kristopher Cummings, MD
8:35 AM – 8:50 AM	Coronary Artery Disease	Brent Little, MD
8:50 AM – 9:05 AM	Unstable Aortic Aneurysms/Pseudoaneurysms	Mark M. Hammer, MD
9:05 AM – 9:20 AM	Nonvascular Mediastinal Causes of Chest Pain	Terrance Healey, MD
9:20 AM – 9:30 AM	SAM Questions	Constantine A. Raptis, MD
9:30 AM – 9:40 AM	Question and Answer Session	
9:40 AM – 9:45 AM	ACR Announcement: ACR Education Center	
9:45 AM – 10:00 AM	Break and Poster Presentation Session VII	
10:00 AM – 10:25 AM	Thursday Cases-of-the-Day Presentations	
10:25 AM – 10:30 AM	Break	
<b>GI/GU Acute Conditions</b> <i>Moderators: Joel A. Gross, MD*; Sravanthi Reddy, MD*</i>		
10:30 AM – 10:45 AM	Acute GI Bleed and Current role of CTA	Ajay Singh, MD
10:45 AM – 11:00 AM	Penile Trauma	Carl Flink, MD
11:00 AM – 11:15 AM	Anorectal Infections in the ED: Getting to the Bottom of the Matter	Clint W. Sliker, MD*
11:15 AM – 11:30 AM	Renal Transplant: Early Recognition of Complications	Gayatri Joshi, MD
11:30 AM – 11:45 AM	Hepatic Transplant: What Matters to the HPB Surgeon	Keith Herr, MD
11:45 AM – 12:00 AM	ARS Cases: Common, Weird and Wonderful Cases	Laura Avery, MD
12:00 AM – 12:10 PM	Question and Answer Session	
12:10 PM	Adjourn	
2:00 PM – 5:00 PM	Dual Energy CT Hands-on Workshop - <i>Advanced Registration Required</i>	

<b>SATURDAY, 9/9/2017</b>		
7:30 AM – 7:55 AM	Friday Cases-of-the-Day Presentations	
7:55 AM – 8:00 AM	Break	
<b>Concurrent Session I: Advanced Imaging and Controversial Topics in Emergency Radiology</b> <i>Moderators: Martin Gunn, MBChB, FRANZCR*; Jamlik-Omari Johnson, MD</i>		
8:00 AM – 8:15 AM	Emergency Radiology as a Distinct Subspecialty – Future Pathways and Challenges	Hani Abujudeh, MD, MBA
8:15 AM – 8:30 AM	Developing an Emergency Radiology MRI Practice	Michael Ohliger, MD, PhD
8:30 AM – 8:45 AM	Artificial Intelligence and Machine Learning – Should Emergency Radiologists be Concerned?	Timothy W. O'Connell, M.Eng, MD
8:45 AM – 9:00 AM	Mining Operational and Quality Data for Your Radiology Practice	Martin Gunn, MBChB, FRANZCR*
9:00 AM – 9:15 AM	Clinical Decision Support Interventions in the ED Setting	Aaron Sodickson, MD, PhD*
9:15 AM – 9:30 AM	Using Data to Improve Staffing Efficiency and Service Delivery in Emergency Radiology	Jeffrey Dunkle, MD
9:30 AM – 9:45 AM	Appropriateness of Radiographic Examinations in the ED – is it Time to Rethink?	Scott A. Hamlin, MD
9:45 AM – 9:55 AM	Question and Answer Session	
<b>Concurrent Session I: Non-traumatic Spine and MSK Emergencies</b> <i>Moderators: Bharti Khurana, MD; Manickam Kumaravel, MD, FRCR</i>		
8:00 AM – 8:15 AM	Osteomyelitis	Tarek Hanna, MD
8:15 AM – 8:30 AM	Septic Arthritis	Ashwin V. Asrani, MD
8:30 AM – 8:45 AM	Prosthetic Infections	Stephen F. Hatem, MD*
8:45 AM – 9:00 AM	Myositis and Fasciitis	Maria Alejandra Duran-Mencicuti, MD
9:00 AM – 9:15 AM	Acute Non Infectious Musculoskeletal Diseases	Jeffrey Y. Shyu, MD, MPH
9:15 AM – 9:30 AM	Spine – Nuts and Bolts	Manickam Kumaravel, MD, FRCR
9:30 AM – 9:45 AM	ARS Cases: Common, Weird and Wonderful Cases	Lee Myers, MD



9:45 AM – 9:55 AM	Question and Answer Session	
9:55 AM – 10:10 AM	Break and Poster Presentation Session VIII	
<b>Concurrent Session II: Neurological Emergencies in the ED Stroke, Infections and Beyond</b> <i>Moderators: Diego Nuñez, MD, MPH, FACR*; Wayne S. Kubal, MD*</i>		
10:10 AM – 10:25 AM	Current Role of CT/CTA/CT Perfusion	Thomas Ptak, MD, PhD, MPH*
10:25 AM – 10:40 AM	Current Role of MR Techniques	Michael H. Lev, MD, FAHA, FACR
10:40 AM – 10:55 AM	The Radiologist's Role in Management	Michele H. Johnson, MD, FACR
10:55 AM – 11:10 AM	Brain and Meninges	William Erly, MD
11:10 AM – 11:25 AM	Head and Neck	Christopher A. Potter, MD
11:25 AM – 11:40 AM	Spine Infection	Wayne S. Kubal, MD*
11:40 AM – 11:55 AM	ARS Cases: Common, Weird and Wonderful Cases	Diego Nuñez, MD, MPH, FACR*
11:55 AM – 12:05 PM	Question and Answer Session	
<b>Concurrent Session II: Imaging of Women and Children</b> <i>Moderators: Suzanne Chong, MD, MS; Robin B. Levenson, MD</i>		
10:10 AM – 10:25 AM	MRI during Pregnancy and Lactation: Best Practices for Safety, IV Contrast Use and Radiation Protection	Ania Kielar, MD, FRCPC
10:25 AM – 10:40 AM	Obstetric Ultrasound in the ED: Critical Diagnoses Not to Miss	Reena Malhotra, MD
10:40 AM – 10:55 AM	Optimizing Imaging Strategies for Suspected Pulmonary Embolism in Pregnancy	Adam T. Wright, MD
10:55 AM – 11:10 AM	Emergency Pediatric Ultrasound: Make a Confident Diagnosis	Barbara Pawley, MD
11:10 AM – 11:25 AM	Pediatric Nonaccidental Emergencies: Keys to Diagnosis	Ting Yin Tao, MD, PhD
11:25 AM – 11:40 AM	Fracture and Injury Mimics: Normal Variants in the Pediatric Skeleton	Jessica R. Leschied, MD
11:40 AM – 11:55 AM	ARS Cases: Common, Weird and Wonderful Cases	Suzanne Chong, MD, MS; Robin B. Levenson, MD
11:55 AM – 12:05 PM	Question and Answer Session	
12:05 PM – 1:05 PM	Lunch On Your Own	
1:05 PM – 1:20 PM	Break and Poster Presentation Session IX	
1:20 PM – 1:45 PM	Saturday Case-of-the-Day Presentations	
<b>Concurrent Session III: Self-Assessment Module: Non-traumatic Abdominal Emergencies</b> <i>Moderators: Christina Lebedis, MD; Michael N. Patlas, MD, FRCPC</i>		
1:45 PM – 2:00 PM	Abdominal Pain in ED Patient – General Considerations	Douglas S. Katz, MD, FACR*
2:00 PM – 2:15 PM	Pancreatitis – Challenges and New Concepts	Jorge A. Soto, MD*
2:15 PM – 2:30 PM	Abdominal Pain in Pediatric Patient – Image Gently	Susan D. John, MD, FACR*
2:30 PM – 2:45 PM	RUQ Pain	Jennifer W. Uyeda, MD
2:45 PM – 3:00 PM	Appendicitis and Its Mimics – Not Always Easy	Michael N. Patlas, MD, FRCPC
3:00 PM – 3:15 PM	Abdominal Pain in the Pregnant Patient	Vincent M. Mellnick, MD
3:15 PM – 3:30 PM	SAM Questions	Vincent M. Mellnick, MD
3:30 PM – 3:40 PM	Question and Answer Session	
<b>Concurrent Session III: Oncological Emergencies</b> <i>Moderators: Marc A. Camacho, MD, MS; Patrick D. McLaughlin, FFR RCSI</i>		
1:45 PM – 2:00 PM	Emergent Imaging of the Oncology Patient: What's Different?	Matthew T. Heller, MD
2:00 PM – 2:15 PM	Neoplastic and Paraneoplastic Emergencies of the Central Nervous System	Patrick D. McLaughlin, FFR RCSI
2:15 PM – 2:30 PM	Cardiovascular Emergencies in the Patient with Cancer	Carlos A. Rojas, MD
2:30 PM – 2:45 PM	Oncologic Hepatobiliary Emergencies	Meghan G. Lubner, MD
2:45 PM – 3:00 PM	Imaging of Drug Toxicity: Chemotherapy, Targeted Molecular Therapy and Immunotherapy	Katherine Krajewski, MD
3:00 PM – 3:15 PM	Approach to Bowel Obstruction, Perforation and Bowel Wall Thickening in Cancer Patients	Michael M. Maher, MD, FRCR
3:15 PM – 3:30 PM	ARS Cases: Common, Weird and Wonderful Cases	Marc A. Camacho, MD, MS
3:30 PM – 3:40 PM	Question and Answer Session	
3:40 PM	Adjourn	



## REGISTRATION INFORMATION

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

All registration fees are listed below in US dollars (USD)

	On or Before 7/20/17 12:00 PM CST Noon	After 7/20/17 12:00 PM CST Noon	One Day	On-Site† 8/21/17 12:00 PM CST Noon
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 2017 by the start of the meeting (9/6/17), 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 (7/20/17), 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](mailto:aser@meetingmanagers.com).*

### Optional Activities

Guest Daily Continental Breakfasts	\$120
Dual Energy CT Hands-on Workshop	\$150
Friday, September 8 • 2:00 – 5:00 PM	
Toronto Blue Jays vs. Detroit Tigers Baseball Game	\$55
Friday, September 8 • 6:00 PM	

For additional information, please visit [www.erad.org](http://www.erad.org).

### Registration Dates

The early bird advanced registration deadline is Thursday, July 20th at 12:00 PM CST, Noon. Registrations received after this date will be charged an additional \$100, as noted in the registration fees.

*†Online registration will close Monday, August 21st at 12:00 PM CST, Noon. 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 **Monday, August 14th**. No refunds will be made after this date.




## MEETING MANAGEMENT

Angie Guy, MPA, Meetings and Events 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](mailto:aser@meetingmanagers.com) Email

 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 Hilton Toronto

145 Richmond Street West

Toronto, Ontario, M5H 2L2, Canada

1.888.370.0980 Reservations

Standard King/Double: \$255 CAN

Deluxe King/Double: \$285 CAN

Executive King/Double: \$330 CAN\*

*\*access to concierge floor*



Group block deadline: August 21

Rates are listed above in Canadian dollars. Rates are for single or double occupancy and do not include the hotel accommodations tax which is currently 13% per night.

## TRAVEL INFORMATION

Taxis, shuttle service and public transportation are all options for traveling to and from the hotel (fees will apply). Toronto Pearson International Airport (YYZ) is approximately 16 miles from the Hilton Toronto.

United Airlines is an official carrier for the conference. United offers discounts off published fares of 2% to 10% or zone fares. For fare and schedule information and to make your reservations, please visit [www.united.com/meetingtravel](http://www.united.com/meetingtravel) or call United Airlines Meetings at 1.800.426.1122. Refer to Z Code: ZWZF and Agreement Code: 787073. There will be a \$25 USD service fee collected, per ticket, for all tickets issued through Meetings Reservations. The service fee is non-refundable and applies to all itineraries, one-way or roundtrip. To avoid a service fee and receive an additional 3% discount on published fares, book your reservations online at [www.united.com/meetingtravel](http://www.united.com/meetingtravel). Enter your Z code and Agreement Code (without a space) in the offer code box: ZWZF787073.

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

Photo courtesy of Tourism Toronto

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2017 Postgraduate Course in Emergency and Trauma Radiology

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