

MASSACHUSETTS
GENERAL HOSPITAL



BRIGHAM AND
WOMEN'S HOSPITAL

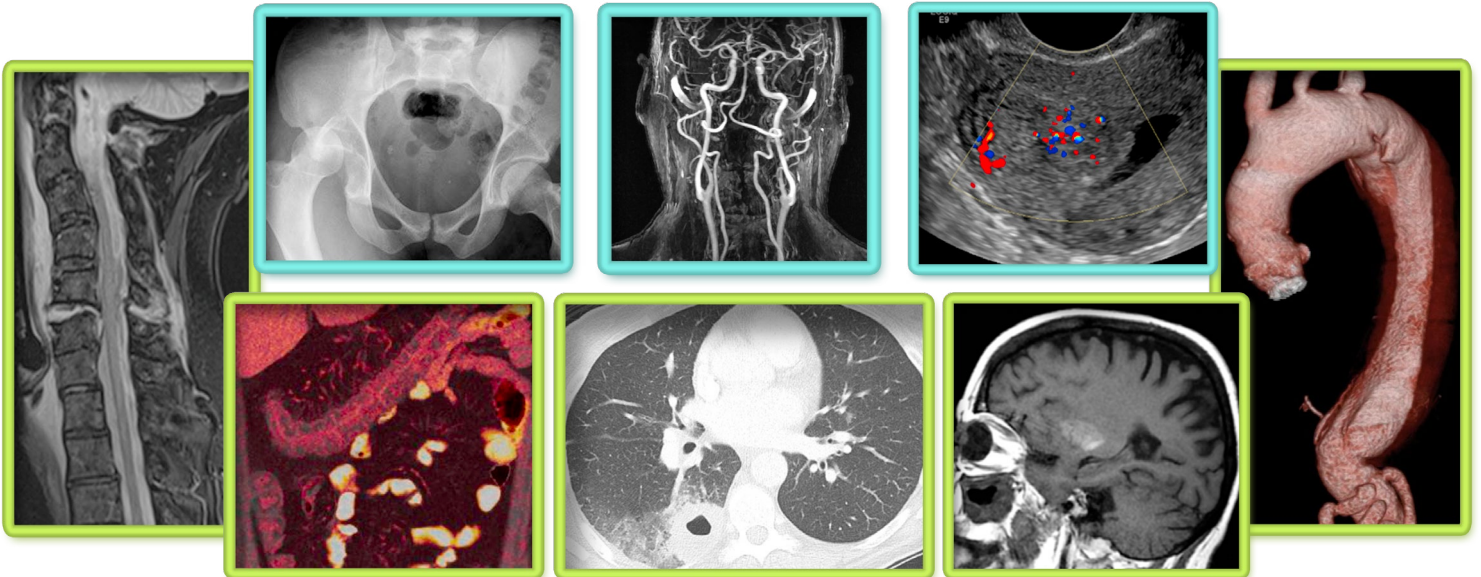


HARVARD
MEDICAL SCHOOL

Offered by:
Massachusetts General Hospital and
Brigham and Women's Hospital
Departments of Radiology

Essentials of Emergency Radiology 2016: Pearls & Pitfalls

June 4-5, 2016



**Richard B. Simches Research Center
3rd Floor, 185 Cambridge Street, Boston, MA 02114**

Course Directors:
Bharti Khurana, MD
Michael H. Lev, MD, FAHA, FACR

Co-Directors:
Laura L. Avery, MD
Ajay Singh, MD
Aaron Sodickson, MD, PhD

Course Description:

The educational objective of this intensive, two-day course is to provide a comprehensive, focused review of the major basic & advanced principles of diagnostic emergency radiology in the evaluation of acutely ill and injured patients.

Specifically, we will emphasize the management, acquisition, and interpretation of structural and advanced imaging studies of the brain, spine, extremities, heart, lungs, abdomen, pelvis, and vascular system, with the goal of:

- (1) Appropriate application of clinical imaging algorithms
- (2) Implementation of relevant recent technical advances
- (3) Formulation of differential diagnoses

Special emphasis will be placed on the recognition of common imaging mimics, pitfalls, and artifacts, as well as highlighting “what the referring clinician needs to know”; up-to-date emergency department workflow and clinical decision support tools, and relevant current healthcare policy issues.

Learning Objectives:

Upon completion of this activity, participants will be able to:

- Select the most *appropriate* and *cost-effective* imaging studies for specific clinical presentations of acute traumatic and non-traumatic conditions
- Integrate the most current pathophysiological & pathological concepts into the interpretation of these imaging studies, emphasizing a patterned, *checklist approach*
- Provide focused differential diagnoses for simple & complex imaging problems, using up-to-date *structured reporting & decision support* tools for communication of both urgent & incidental findings
- Apply emerging technologies, such as dual energy CT and radiation dose reduction techniques, in emergency imaging to the care of their patients

Target Audience:

This course would benefit any general radiologist, emergency radiologist, trauma surgeon, ED or critical care physician or physician assistant – at any level of training – who requires a brief but thorough advanced clinical update in state-of-the-art emergency imaging by leaders in the field.



Accreditation:

The Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Harvard Medical School designates this live activity for a maximum of *17 AMA PRA Category 1 Credits™*. Physicians should claim only credit commensurate with the extent of their participation in the activity.

The Royal College of Physicians and Surgeons of Canada recognizes conferences and workshops held outside of Canada that are developed by a university, academy, hospital, specialty society or college as accredited group learning activities.

Through an agreement between the American Medical Association and the European Union of Medical Specialists, physicians may convert AMA PRA Category 1 Credit™ to an equivalent number of European CME Credits® (ECMECs®). Information on the process of converting AMA PRA Category 1 Credits™ to ECMECs® can be found at: www.eaccme.eu.

ACGME Competencies:

This course is designed to meet one or more of the following Accreditation Council of Graduate Medical Education competencies:

- Patient Care and Procedural Skills
- Medical Knowledge
- Practice-based Learning and Improvement

Registration Information:

Physicians: \$550.00 (USD)

Residents/Fellows in Training: \$450.00 (USD)

Allied Health Professionals: \$450.00 (USD)

**Processing \$5 (non-refundable service fee)*

Your email address is used for critical information including registration confirmation, evaluation and certificate.

Each Participant will receive a link for an electronic syllabus only.

Registration by credit card (VISA, MasterCard or American Express) or check can be made through Harvard Medical School's secure online registration system at:

<https://www.hmscmeregistration.org/emergencyradiology2016>

Registration by check (draft on a US bank), please make payable to Harvard Medical School. Learners who choose to pay by check will be prompted to download an online form to send in with a payment. Telephone or fax registration is not accepted. Registration with cash payment is not permitted.

Upon receipt of your payment, you will receive an email confirmation. Be sure to include an email address that you check frequently.

Inquires:

By phone: (617-384-8600), Monday-Friday, 9:00am-5:00pm (ET) or by e-mail at: ceprograms@hms.harvard.edu

Disclosure Policy:

Harvard Medical School (HMS) adheres to all ACCME Essential Areas, Standards, and Policies. It is HMS's policy that those who have influenced the content of a CME activity (e.g. planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that HMS may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.

Refund Policy:

Refunds, less an administrative fee of \$75, will be issued for all cancellations received two weeks prior to the start of the course. Refund requests must be received by postal mail, email, or fax. No refund will be issued should cancellation occur less than two weeks prior.

"No shows" are subject to the full course fee and no refunds will be issued once the conference has started.

Course Location:

All sessions will be held at the Richard B. Simches Research Center, 3rd floor, 185 Cambridge Street, Boston, MA 02114. The Mass General parking garages are designated for patients and their visitors. We recommend that course participants park in a nearby private parking lot or take public transportation <http://boston.bestparking.com/>

Only Mass General patients and their visitors are eligible for reduced parking rates. The day rate for all others using the MGH garages is \$48.

On-line Registration:

To register or view activity information online visit:

<https://www.hmscmeregistration.org/emergencyradiology2016>

CME activities sponsored by Harvard Medical School are offered solely for educational purposes and do not constitute any form of professional advice or certification of competency. Practitioners should always consult additional sources of information and exercise their best professional judgment before making clinical decisions of any kind.



DAY 1	SAT JUNE 4	
7:00-7:25	Continental Breakfast/ Registration	
7:25-7:30	Welcome and Introduction	
TRAUMA HEAD TO TOE		
7:30-8:10	How to Read a Trauma Head CT (and CTA!)	Lev
8:10-8:30	Complications of Neurosurgery	Potter
8:30-8:45	Maxillofacial Trauma	Novelline
8:45-9:15	Cervical Spine Trauma: What the Referring Needs to Know	Avery
9:15-9:30	Grading Thoracic Spine Trauma: What the Surgeon Needs to Know	Khurana
9:30-9:45	QUESTIONS, BREAK	Faculty
9:45-10:05	Toxic Ingestion & Inhalation: Don't Try this at Home!	Avery
10:05-10:25	Lower Extremity Injuries	Lawrason
10:25-10:45	Pelvic Trauma: What the Surgeon Needs to Know	Khurana
10:45-11:05	Thoracic Injuries	Novelline
11:05-11:25	Elbow Injuries	Khurana
11:25-12:00	Challenging Trauma Cases	Novelline
12:00-12:15	QUESTIONS	Faculty
12:15-1:15	LUNCH	On own
1:15-1:35	Grading Solid Organ Injury (Spleen-Liver-Kidneys & ACS Mandates)	Singh
1:35-1:55	Bowel and Mesenteric Injuries	Uyeda
1:55-2:15	Penetrating Trauma	Singh
2:15-2:35	Renal & Bladder Injuries	Uyeda
2:35-3:00	Challenging ED Cases	Avery
3:00-3:15	QUESTIONS, BREAK	Faculty
3:15-3:35	ED CT Protocol Optimization	Sodickson
3:35-4:15	Aortic & Cardiovascular Emergencies	Steigner
4:15-4:35	Does Dual Energy CT Belong in the ED? (Yes!)	Sodickson
4:35-5:15	Boston Marathon Bombing: Blast Injury, Workflow Lessons	Singh / Sodickson
5:15-5:30	Questions, Summing Up	Faculty
5:30	Adjourn	

DAY 2	SUN JUNE 5	
7:00-7:25	Continental Breakfast	
NON-TRAUMATIC EMERGENCIES		
7:30-8:15	Stroke Imaging Algorithm	Lev
8:15-8:45	Brain Infections and Inflammation	Potter
8:45-9:30	"Don't Miss" Non-Stroke Neurological Emergencies	Lev
9:30-9:45	QUESTIONS, BREAK	Faculty
9:45-10:15	"Don't Miss" Non-Traumatic Spine Emergencies	Lev
10:15-10:35	Head & Neck Infections (& other Emergencies)	Potter
10:35-11:10	Acute Abdominal Pain (Left, Right, Upper, Lower)	Singh
11:10-11:30	Small Bowel Obstruction	Fulwadhva
11:30-12:00	Einstein/Monroe, Gorillas/Perception, & Why Much (Most?) of the Medical Literature is Wrong	Lev
12:00-12:15	QUESTIONS	Faculty
12:15-1:15	Lunch	On own
1:15-1:35	CT & MRI of Bowel Pathology	Fulwadhva
1:35-1:55	MRCP for the ED	Uyeda
1:55-2:15	Imaging Workup of Pelvic Pain & Bleeding	Wortman
2:15-2:35	Non-Traumatic MSK Emergencies	Smith
2:35-3:15	Hips, Pregnancy, Osteomyelitis, & Kids: The Role of MRI in the ED?	Flores
3:15-3:30	QUESTIONS, BREAK	Faculty
3:30-3:55	Non-cardiogenic Chest Pain	Gill
3:55-4:15	Oncological Emergencies	Duran
4:15-4:35	3D in the ED?!	Souza
4:35-5:15	"Missed Lesions" Case Review	Khurana
5:15-5:30	Questions	Faculty
5:30	Adjourn	

Harvard Medical School Faculty



Laura L. Avery, MD

Maria Alejandra Duran Medicuti, MD

Efren J. Flores, MD

Urvi P. Fulwadhva, MD

Ritu R. Gill, MD, MPH

Bharti Khurana, MD

James N. Lawrason, MD

Michael H. Lev, MD, FAHA, FACR

Robert A. Novelline, MD, FACR

Christopher A. Potter, MD

Ajay Singh, MD

Stacy E. Smith, MD

Aaron Sodickson, MD, PhD

Daniel A T Souza, MD

Michael L. Steigner, MD

Jennifer W. Uyeda, MD

Jeremy R. Wortman, MD

