Essentials of Emergency Radiology 2017: Pearls & Pitfalls

June 3-4, 2017
Boston, Massachusetts

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 a systematic approach to interpreting traumatic and non traumatic conditions from head to toe.

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.

For more information and to register please go to:

https://cmeregistration.hms.harvard.edu/emergencyradiology2017

Course Directors: Bharti Khurana, MD • Michael H. Lev, MD, FAHA, FACP
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 16 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:

- Medical Knowledge
Registration Information:

*Physicians: $575.00 (USD)  
*Residents/Fellows in Training: $450.00 (USD)  
*Allied Health Professionals: $450.00 (USD)  

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://cmeregistration.hms.harvard.edu/emergencyradiology2017 

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. 

*There is an additional $5 processing charge (non-refundable service fee) 

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 Accreditation Criteria 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.


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. *(Rates subject to change)*

**On-line Registration:**

To register or view activity information online visit:

[https://cmeregistration.hms.harvard.edu/emergencyradiology2017](https://cmeregistration.hms.harvard.edu/emergencyradiology2017)

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.
Faculty

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Assistant Radiologist,
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Director, Pediatric Neuroradiology,
Massachusetts General Hospital for Children

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Division of Ultrasound,
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Staff Radiologist,
Massachusetts Eye and Ear Infirmary

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Chief of Radiology,
Brigham and Women’s Faulkner Hospital

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Honorary Radiologist,
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Associate Residency Program Director,
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Chairman, Department of Radiology,
Boston Medical Center

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Physician Director of Satellite Imaging,
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Jeremy R. Wortman, MD
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Harvard Medical School
Staff Radiologist,
Brigham and Women’s Hospital
### DAY 1  SATURDAY, JUNE 3, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00-7:55</td>
<td>Registration/Continental Breakfast</td>
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<tr>
<td>7:55-8:00</td>
<td>Welcome and Introductions</td>
<td>Khurana</td>
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</tbody>
</table>

#### ABDOMINAL EMERGENCIES

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>8:00-8:45</td>
<td>Trauma Protocols: How we do it (BWH, MGH, BU)</td>
<td>Shyu, Singh, Soto, Sodickson</td>
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<tr>
<td>8:45-9:00</td>
<td>Panel Discussion</td>
<td>Faculty</td>
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<tr>
<td>9:00-9:20</td>
<td>Grading Solid Organ Injury</td>
<td>Singh</td>
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<tr>
<td>9:20-9:40</td>
<td>Bowel and Mesenteric Trauma</td>
<td>Soto</td>
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<tr>
<td>9:40-10:00</td>
<td>Acute Abdominal Pain</td>
<td>Singh</td>
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<tr>
<td>10:00-10:05</td>
<td>Questions</td>
<td>Faculty</td>
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<tr>
<td>10:05-10:15</td>
<td>BREAK</td>
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<tr>
<td>10:15-10:40</td>
<td>Bowel Obstruction and Complications</td>
<td>Soto</td>
</tr>
<tr>
<td>10:40-11:05</td>
<td>Pelvic Hemorrhage: Case Discussion</td>
<td>Uyeda</td>
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<tr>
<td>11:05-11:35</td>
<td>Biliary Tract Emergencies</td>
<td>Soto</td>
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<tr>
<td>11:35-12:00</td>
<td>ER Abdomen: Case Discussion</td>
<td>Fulwadhva</td>
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<tr>
<td>12:00-12:15</td>
<td>Questions</td>
<td>Faculty</td>
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<tr>
<td>12:15-1:15</td>
<td>LUNCH RECESS</td>
<td>On Own</td>
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#### NEURO/CHEST TRAUMA

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>1:15-1:40</td>
<td>Head and Neck Trauma: Top Ten</td>
<td>Nunez</td>
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<tr>
<td>1:40-2:00</td>
<td>Maxillofacial Trauma</td>
<td>Novelline</td>
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<tr>
<td>2:00-2:30</td>
<td>Cervical Spine Trauma</td>
<td>Avery</td>
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<tr>
<td>2:30-3:00</td>
<td>Chest Trauma</td>
<td>Novelline</td>
</tr>
<tr>
<td>3:00-3:05</td>
<td>Questions</td>
<td>Faculty</td>
</tr>
<tr>
<td>3:05-3:15</td>
<td>BREAK</td>
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#### MSK/PEDS TRAUMA

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>3:15-3:40</td>
<td>Pediatric Trauma: What's Different</td>
<td>Walters</td>
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<tr>
<td>3:40-4:05</td>
<td>Imaging of Pediatric Head Trauma</td>
<td>Caruso</td>
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<tr>
<td>4:05-4:25</td>
<td>Commonly Missed Pediatric Fractures</td>
<td>Walters</td>
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<tr>
<td>4:25-4:45</td>
<td>Foot and Ankle Injuries</td>
<td>Mandell</td>
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<tr>
<td>4:45-5:15</td>
<td>Learning from Errors: Spine and Extremity Injuries</td>
<td>Khurana</td>
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<tr>
<td>5:15-5:30</td>
<td>Questions</td>
<td>Faculty</td>
</tr>
<tr>
<td>5:30</td>
<td>ADJOURN</td>
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### DAY 2  
**SUNDAY, JUNE 4, 2017**

<table>
<thead>
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<th>Time</th>
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<tbody>
<tr>
<td>7:15-7:55</td>
<td>Continental Breakfast</td>
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<tr>
<td>7:55-8:00</td>
<td>Welcome</td>
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</tr>
<tr>
<td>8:00-8:35</td>
<td>Stroke Imaging Algorithm</td>
<td>Lev</td>
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<tr>
<td>8:35-9:00</td>
<td>How I Approach Neuro CT and CTA in ED</td>
<td>Potter</td>
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<tr>
<td>9:00-9:30</td>
<td>&quot;Don’t Miss&quot; Non-Stroke Neurological Emergencies: Part 1</td>
<td>Lev</td>
</tr>
<tr>
<td>9:30-10:00</td>
<td>&quot;Don’t Miss&quot; Non-Stroke Neurological Emergencies: Part 2</td>
<td>Lev</td>
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<tr>
<td>10:00-10:05</td>
<td>Questions</td>
<td>Faculty</td>
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<tr>
<td>10:05-10:15</td>
<td>BREAK</td>
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<tr>
<td>10:15-10:40</td>
<td>Orbital Emergencies</td>
<td>Juliano</td>
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<tr>
<td>10:40-11:00</td>
<td>Head and Neck Non Traumatic Emergencies</td>
<td>Kalian</td>
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<tr>
<td>11:00-11:20</td>
<td>Pulmonary Embolism in ED</td>
<td>Ledbetter</td>
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<tr>
<td>11:20-11:40</td>
<td>Cardiac Imaging in ED</td>
<td>Ghoshhajra</td>
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<tr>
<td>11:40-12:00</td>
<td>Aortic Emergencies</td>
<td>Ledbetter</td>
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<tr>
<td>12:00-12:15</td>
<td>Questions</td>
<td>Faculty</td>
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<tr>
<td>12:15-1:15</td>
<td>LUNCH RECESS</td>
<td>On Own</td>
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<tr>
<td>1:15-1:40</td>
<td>ER Chest: Case Discussion</td>
<td>Gill</td>
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<tr>
<td>1:40-2:05</td>
<td>Iatrogenic Chest Emergencies</td>
<td>Avery</td>
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<tr>
<td>2:05-2:30</td>
<td>Non Traumatic MSK Emergencies</td>
<td>Smith</td>
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<tr>
<td>2:30-3:00</td>
<td>Deep Venous Thrombosis: Pearls and Pitfalls</td>
<td>Heller</td>
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<td>3:00-3:05</td>
<td>Questions</td>
<td>Faculty</td>
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<td>3:05-3:15</td>
<td>BREAK</td>
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<tr>
<td>3:15-3:40</td>
<td>Scrotal Emergencies</td>
<td>Rocha</td>
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<tr>
<td>3:40-4:05</td>
<td>First Trimester Emergencies</td>
<td>Wortman</td>
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<tr>
<td>4:05-4:30</td>
<td>ER Ultrasound: Case Discussion</td>
<td>Rocha</td>
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<tr>
<td>4:30-5:15</td>
<td>Learning form Errors: ER Imaging</td>
<td>Khurana</td>
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<tr>
<td>5:15-5:30</td>
<td>Questions</td>
<td>Faculty</td>
</tr>
<tr>
<td>5:30</td>
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*Please Note: Program changes/substitutions may be made without notice.*