Signs, Symptoms and Questions Related to Diagnostic Imaging and Interventional Radiology

Jointly Sponsored By
Warren Alpert Medical School of Brown University and
Rhode Island Medical Imaging/Rhode Island Vascular Institute

Wednesday, September 25, 2013
The Providence Marriott
Providence, Rhode Island

Registration Information
Register online at:
https://apps.biomed.brown.edu/cme_registration

Conference registration fee includes:
Lunch, access to an online syllabus, and complimentary on-site parking.

Registration Fees
$75.00 Physicians
$25.00 RN's, PA's, and Other Allied Health Professionals
$20.00 Residents and Students

Cancellation Policy
Cancellations/substitutions must be made in writing to the Brown CME Office at least two weeks prior to the conference, no later than Sept. 11th.
A $25.00 administrative fee will be charged for all refunds. (No refunds for "no shows"). There will be no additional charge for substitutions. This conference is subject to change or cancellation.

Conference Location
The Providence Marriott
1 Orms Street
Providence, RI 02903
401-272-2400
www.marriottprovidence.com/

Accommodations
Please call 1-401-272-2400 to make hotel reservations and request the Brown University rate (based on availability).

CME Accreditation
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 the Warren Alpert Medical School of Brown University and Rhode Island Medical Imaging/Rhode Island Vascular Institute. The Warren Alpert Medical School is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation
Physicians: The Warren Alpert Medical School of Brown University designates this live activity for a maximum of 4.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AAFP: Application for CME credit has been filed with the American Academy of Family Physicians. Determination of credit is pending.

ASRT: This activity is pending approval for 4 Category A credits by the ASRT.

For More Information
Contact the Brown CME Office
Ph: 401-863-3337 F: 401-863-2202
Email: CME@Brown.edu

Register online at:
https://apps.biomed.brown.edu/cme_registration

Please notify the Brown CME Office in writing at least two weeks prior to the conference to request reasonable accommodations.
### Program Description
Ordering the correct imaging studies to address various clinical signs and symptoms in an efficient and cost-effective manner is complicated and is in constant flux based on newly published data and emerging technologies. This half-day educational event reviews current appropriate imaging workup to address common clinical signs and symptoms encountered in the outpatient primary care setting. Clinicians will leave with new knowledge and resources to help diagnose and treat their patients with complicated but common medical problems.

### Target Audience
Primary Care Physicians, Physician Assistants, Nurse Practitioners and Nurses

### Program

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<th>Time</th>
<th>Event</th>
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<tr>
<td>12:00–1:00 PM</td>
<td>Registration and Lunch</td>
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<tr>
<td>1:00–1:05</td>
<td>Welcoming Remarks Terrance T. Healey, MD</td>
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<tr>
<td>1:05–1:25</td>
<td>Why has Mammography Gotten so Confusing? Ana P. Lourenco, MD</td>
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<td>1:25–1:45</td>
<td>When Does a Patient with a Headache Benefit from Imaging? Mahesh V. Jayaraman, MD</td>
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<td>1:45–2:05</td>
<td>Imaging Abdominal Pain, When Should X-Ray, CT, US or MRI be Used David Grand, MD</td>
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<td>2:05–2:15</td>
<td>Osteoporosis and Vertebroplasty: From Diagnosis to Treatment Mahesh V. Jayaraman, MD</td>
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<td>2:15–2:40</td>
<td>Panel Question &amp; Answer</td>
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<td>2:40–3:00</td>
<td>Break</td>
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<td>3:00–3:20</td>
<td>Ultrasound Assessment of DVT—Issues and Controversy John J. Cronan, MD, FACR</td>
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<td>3:20–3:40</td>
<td>Basic Clinical Approach to Chronic Back Pain: When to Refer to a Specialist Ethan A. Prince, MD</td>
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<td>3:40–4:00</td>
<td>Varicose Veins: Really a Problem Requiring Treatment? Matthew Forte, MD</td>
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<td>4:00–4:20</td>
<td>Question and Answer Session</td>
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<td>3:20–4:40</td>
<td>Concurrent Breakout Sessions</td>
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<td>4:20–4:40</td>
<td>A. IV Contrast - How, When, and Why David P. Neumann, MD</td>
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<td>4:40–5:00</td>
<td>B. Thyroid Nodules - The Role of Ultrasound and Biopsy Michael D. Beland, MD</td>
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<td>5:00 PM</td>
<td>Adjourn</td>
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### Educational Objectives
At the conclusion of this activity, participants should be able to:

1. Confidently choose the appropriate imaging work up to address common clinical signs and symptoms encountered in the outpatient primary care setting.
2. Identify differences in patient profiles which delineate use of MRI, CT, US or X-ray as the imaging medium.
3. Illustrate when to order imaging for common clinical signs.
4. Incorporate updated protocols on specific screenings that involve imaging.

### Course Directors
- Terrance T. Healey, MD  
  Assistant Professor of Diagnostic Imaging  
  Thoracic Radiology  
  Rhode Island Hospital
- Scott M. Levine, MD  
  Assistant Professor of Diagnostic Imaging  
  (Clinical)
- Mark S. Ridlen, MD  
  Associate Professor of Diagnostic Imaging  
  (Clinical)

### Faculty
- Michael D. Beland, MD  
  Associate Professor of Diagnostic Imaging  
  Director of Ultrasound  
  Rhode Island Hospital
- John J. Cronan, MD, FACR  
  Chairman and Professor of Diagnostic Imaging  
  Radiologist-in-Chief  
  Rhode Island Hospital
- Matthew Forte, MD  
  Assistant Professor of Diagnostic Imaging  
  (Clinical)
- David Grand, MD  
  Assistant Professor of Diagnostic Imaging  
  (Clinical)
- Mahesh V. Jayaraman, MD  
  Assistant Professor of Diagnostic Imaging  
  Director, Interventional Neuroradiology
- Ana P. Lourenco, MD  
  Assistant Professor of Diagnostic Imaging
- David P. Neumann, MD  
  Assistant Professor of Diagnostic Imaging  
  (Clinical)
- Ethan A. Prince, MD  
  Assistant Professor of Diagnostic Imaging

All conference faculty are affiliated with the Warren Alpert Medical School of Brown University, Rhode Hospital, The Miriam Hospital and Rhode Island Medical Imaging.