Department of Radiology

Radiology - Helping You Care for Your Patients

A Course for Physician Assistants, Nurse Practitioners and Primary Care Physicians

August 15-16, 2015

Mayo Clinic
Phillips Hall, Siebens Medical Education Building
Rochester, Minnesota

REGISTER TODAY!
www.ce.mayo.edu/radiology
COURSE DESCRIPTION AND INTENDED AUDIENCE

Radiology – Helping You Care for Your Patients: A Course for Nurse Practitioners, Physician Assistants and Primary Care Physicians is a continuing medical education course reviewing and discussing contemporary imaging approaches to common diagnostic problems in primary care medicine and surgery. A case-based approach will describe common patient signs and symptoms in outpatient and emergency settings and indicate best imaging practices for evaluation of these patients considering appropriateness, cost and safety. Emphasis will be placed on algorithmic approaches to radiologic tests when multiple imaging examinations become necessary. Information presented will be organized by differential diagnoses to keep it relevant to daily medical practice. The course is intended for nurse practitioners, physician assistants and primary care physicians who want to improve the quality of their patient care by increasing the value of the radiologic examinations they order.

COURSE LEARNING OBJECTIVES

Upon conclusion of this program, participants should be able to:

• Identify appropriate, safe and cost-effective imaging options for the evaluation of common problems in primary care
• Develop differential diagnoses generated by common findings on radiologic tests
• Determine algorithmic approaches to ordering multiple imaging studies
• Assess strengths, weaknesses and relative costs of imaging modalities such as plain radiographs, ultrasound, CT, MRI, Nuclear Medicine and Mammography
• Select basic image-guided interventional procedures

Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

CREDIT

Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this live activity for a maximum of 12.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other Health Care Professionals

A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

GRANTS AND EXHIBITS

At the time of this printing, a complete listing of commercial supporters (financial or in-kind) was not available. Appropriate acknowledgment will be given to all supporters at the time of the meeting.

DATE AND LOCATION

Radiology – Helping You Care for Your Patients: A Course for Nurse Practitioners, Physician Assistants and Primary Care Physicians will be held August 15-16, 2015.

Course headquarters will be located in Phillips Hall on the first floor of the Siebens Medical Education Building, Mayo Clinic, 100 Second Avenue Southwest, Rochester, Minnesota. Meeting facilities are easily accessible by skyway and pedestrian subway, which connect Mayo Clinic to shops, restaurants, and hotels.
REGISTRATION
To register online, visit www.ce.mayo.edu/radiology, or complete the attached registration form and return by mail or fax.

The registration fee includes tuition, comprehensive course syllabus on flash drive, Radiology CME mobile application, daily breakfasts, break refreshments and lunches (for course participants only), and welcome reception.

Although it is not Department of Radiology CME policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, **early registration is advised**. A letter of confirmation will be sent upon receipt of payment and completed registration form. Please present the confirmation letter when checking in at the meeting registration desk.

For additional information, contact:

<table>
<thead>
<tr>
<th>Mayo Clinic Department of Radiology CME Office</th>
<th>Website: <a href="http://www.ce.mayo.edu/radiology">www.ce.mayo.edu/radiology</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mayo, W-2</td>
<td>E-mail: <a href="mailto:radiologymce@mayo.edu">radiologymce@mayo.edu</a></td>
</tr>
<tr>
<td>200 First Street SW</td>
<td>Phone: 866-246-1581</td>
</tr>
<tr>
<td>Rochester, MN 55905</td>
<td>Fax: 507-266-3061</td>
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</table>

CANCELLATION POLICY
If you cancel your participation in this course, your registration fee, less a $75 administrative fee, will be refunded when written notification is received by the Department of Radiology CME Office before **August 1, 2015** (radiologymce@mayo.edu or fax#: 507-266-3061). No refunds will be made on or after August 1, 2015. Canceled registrations are non-transferable.

Mayo Clinic Department of Radiology CME Office and/or Mayo School of Continuing Professional Development (CPD) reserve the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event Mayo Clinic Department of Radiology CME Office and/or Mayo School of CPD must cancel or postpone this course, Mayo Clinic Department of Radiology CME Office will refund the registration fee, but is not responsible for any related costs, charges, or expenses to participants, including fees assessed by airline/travel/lodging agencies.

TRAVEL
Rochester, Minnesota, is a friendly city that greets thousands of visitors from around the world each year. The city is serviced by a modern international airport with multiple flights daily via American or Delta Airlines. Access to and from the airport is provided by taxi, shuttle service, and rental car. The airport is located approximately 10 miles from the Mayo Clinic campus.

*Note to Travelers*: Several cities in the United States are named Rochester. When you make airline reservations and check your baggage, be sure that your destination is Rochester, Minnesota (RST) and that your baggage has been properly tagged.

Minneapolis/St. Paul International Airport (MSP) is located approximately 82 miles from Rochester. The following shuttle services offer multiple trips daily:

<table>
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<tr>
<th>Rochester Direct</th>
<th>Rochester Shuttle Service</th>
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<tbody>
<tr>
<td>800-280-9270</td>
<td>507-216-6354</td>
</tr>
<tr>
<td>$29 per person</td>
<td>$27 per person (rate valid online)</td>
</tr>
<tr>
<td><a href="http://www.gorochesterdirect.com">www.gorochesterdirect.com</a></td>
<td><a href="http://www.rochestershuttleservice.com">www.rochestershuttleservice.com</a></td>
</tr>
</tbody>
</table>

Rates are quoted for one-way fares to or from the Minneapolis Airport. Rates are subject to change and do not include taxes, fees, or gratuities.

*Travel arrangements are the sole responsibility of the individual registrant.*
LODGING ACCOMMODATIONS

Guest rooms have been reserved for attendees and their guests with a special course rate at the Rochester Marriott Hotel. In order to receive the special rate, reservations must be made before the room block is filled or before the expiration date of July 16, 2015, whichever comes first. Reservations will be taken following this date based on space and rate availability. Please identify yourself as a participant of the Mayo Clinic Radiology course when making your reservation.

Rochester Marriott Hotel
101 First Avenue SW
877-623-7775 or 507-280-6000
$129 single/double

Quoted room rates do not include taxes or service fees. Check-in time is 3:00 p.m. on the day of arrival, and check-out time is 12:00 p.m. on the day of departure.

The Rochester Marriott Hotel is connected by skyway and pedestrian subway to conference facilities, downtown shops, and restaurants. You may wish to visit the Rochester Convention and Visitors Bureau website (www.rochestercvb.org) and/or www.rochester411.com for additional accommodation options and area information.

Lodging arrangements are the sole responsibility of the individual registrant.

Mayo Clinic Department of Radiology CME Office is not responsible for expenses incurred by an individual who is not confirmed as a meeting participant and for whom space is not available at the meeting. Costs incurred by the registrant such as airline or hotel fees or penalties are the responsibility of the registrant.

PARKING

Parking is available in hotel, city, and Mayo patient/visitor ramps. The cost for parking is not included in the registration fee; parking will not be validated.

SOCIAL PROGRAMS

Welcome Reception – Saturday evening, August 15, 2015

Attendees and their guest(s) are cordially invited to join the course faculty for the Welcome Reception on Saturday, August 15, 2015. This casual reception welcomes you to Rochester, officially opens the course, and offers you the perfect opportunity to make connections with existing and new colleagues. Pre-registration is requested.

FACULTY

Course Directors
John M. Barlow, M.D.
Laurence J. Eckel, M.D.

Mayo Faculty
Kimberly K. Amrami, M.D.
John M. Barlow, M.D.

David F. Black, M.D.
Jerome F. Breen, M.D.
Christian W. Cox, M.D.
Laurence J. Eckel, M.D.
Adam T. Froemming, M.D.
Robert P. Hartman, M.D.
Christopher H. Hunt, M.D.
Amy B. Kolbe, M.D.
Robert W. Maxwell, M.D.
M. Reza Rajebi, M.D.
Carl C. Reading, M.D.
John J. Schmitz, M.D.
Jared T. Verdoorn, M.D.
Michael L. Wells, M.D.

FACULTY DISCLOSURE

As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of Continuous Professional Development) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.

NATIONAL PHYSICIAN PAYMENT TRANSPARENCY PROGRAM

Mayo Clinic College of Medicine complies with the requirements of the National Physician Payment Transparency Program OPEN PAYMENTS (Physician Payments Sunshine Act).
Saturday, August 15, 2015

6:30 a.m.  Registration and Continental Breakfast for Course Participants
7:10 a.m.  Introduction
7:15 a.m.  Imaging the Headache Patient
           David F. Black, M.D.
7:40 a.m.  Q&A
7:45 a.m.  CT and MR: Contrast, Radiation and Safety
           Laurence J. Eckel, M.D.
8:10 a.m.  Q&A
8:15 a.m.  Evaluation of Dysphagia: How Can The Radiologist Help?
           John M. Barlow, M.D.
8:40 a.m.  Q&A
8:45 a.m.  ACR Appropriateness Criteria: How To Get The Most From Radiology
           Christian W. Cox, M.D.
9:10 a.m.  Q&A
9:15 a.m.  Break
9:30 a.m.  Chest Imaging – CXR and CT
           Christian W. Cox, M.D.
9:55 a.m.  Q&A
10:00 a.m. Common Pediatric Diseases and Imaging Recommendations
          Amy B. Kolbe, M.D.
10:25 a.m. Q&A
10:30 a.m. Basic Principles of Nuclear Medicine
           Christopher H. Hunt, M.D.
10:55 a.m. Q&A
11:00 a.m. PET Imaging
           Christopher H. Hunt, M.D.
11:25 a.m. Q&A
11:30 a.m. Lunch for Course Participants
12:15 p.m. Traumatic and Nontraumatic Emergencies of the Chest
           Adam T. Froemming, M.D.
12:40 p.m. Q&A
12:45 p.m. Traumatic and Nontraumatic Emergencies of the Abdomen and Pelvis
           Adam T. Froemming, M.D.
1:10 p.m.  Q&A
1:15 p.m.  Spine Interventions in Radiology
           Jared T. Verdoorn, M.D.
1:40 p.m.  Q&A
1:45 p.m.  Neuroradiology: What and When
           Laurence J. Eckel, M.D.
2:10 p.m.  Q&A
2:15 p.m.  Break
2:30 p.m.  Suspected Bowel Obstruction: Questions to be Answered by CT
           John M. Barlow, M.D.
2:55 p.m.  CT and US Intervention – Part I
           Michael L. Wells, M.D.
3:00 p.m.  Q&A
3:25 p.m.  CT and US Intervention – Part II
           Michael L. Wells, M.D.
3:30 p.m.  Q&A
3:55 p.m.  Diagnosis and Endovascular Management of Peripheral Arterial Disease
           M. Reza Rajebi, M.D.
4:25 p.m.  Q&A
4:30 p.m.  Triple Rule Out Cardiac CT
           Jerome F. Breen, M.D.
4:55 p.m.  Q&A
5:00 p.m.  Session Adjourns for the Day

Sunday, August 16, 2015

6:30 a.m.  Continental Breakfast for Course Participants
7:00 a.m.  Hematuria Evaluation
           Robert P. Hartman, M.D.
7:25 a.m.  Q&A
7:30 a.m.  Renal Mass Evaluation
           Robert P. Hartman, M.D.
7:55 a.m.  Q&A
8:00 a.m.  Efficient Communication Between Primary Care Providers and Breast Imaging Radiologists
           Robert W. Maxwell, M.D.
8:25 a.m.  Q&A
8:30 a.m.  Appearance and Management of Common Breast Imaging Abnormalities
           Robert W. Maxwell, M.D.
8:55 a.m.  Q&A
9:00 a.m.  Arthritis
           Kimberly K. Amrami, M.D.
9:25 a.m.  Q&A
9:30 a.m.  Break
9:45 a.m.  Abdominal Ultrasound: Liver, Gallbladder, Kidneys
           John J. Schmitz, M.D.
10:10 a.m. Q&A
10:15 a.m. Ultrasound of Neck Masses
           Carl C. Reading, M.D.
10:40 a.m. Q&A
10:45 a.m. Pelvic Ultrasound
           John J. Schmitz, M.D.
11:10 a.m. Q&A
11:15 a.m. Program Review and Take Home Points
11:30 a.m. Course Concludes
Mayo Clinic Department of Radiology Future CME Courses

Advanced Radiology Life Support™ (ARLS) Course
September 19, 2015 and January 9, 2016
Mayo Clinic, Siebens Medical Education Building
Rochester, Minnesota

Minnesota Breast Imaging Review Course
September 26-27, 2015
Radisson Blu Mall of America
Bloomington, Minnesota

Advances in Diagnostic Radiology
October 19-23, 2015
Four Seasons Resort Orlando at Walt Disney World® Resort
Orlando, Florida

Neuroradiology: Practice to Innovation
November 8-12, 2015
The Ritz-Carlton, Kapalua
Maui, Hawaii

Tutorials in Diagnostic Radiology with Advanced Radiology Life Support™ (ARLS)
January 17-22, 2016
The Fairmont Kea Lani
Maui, Hawaii

Radiology Self-Study CME Courses and Educational Resources

- Advanced Radiology Life Support™ (ARLS) Course
  4.5 AMA PRA Category 1 Credits™

- Advances in Diagnostic Radiology
  16.75 AMA PRA Category 1 Credits™

- Essentials of Radiology:
  A Mayo Clinic Review
  37.5 AMA PRA Category 1 Credits™

- Neuroradiology:
  Practice to Innovation Course
  21.5 AMA PRA Category 1 Credits™

- State-of-the-Art Small Bowel Imaging:
  Review and Hands-on Tutorial Course Presented on Laptop Workstation
  19.25 AMA PRA Category 1 Credits™

- Tutorials in Diagnostic Radiology
  24.75 AMA PRA Category 1 Credits™

To order or for more information, please visit www.ce.mayo.edu/radiology.

ContrastTx – Mayo Clinic Contrast Reaction iPhone/iPad App
Designed to give providers quick access to Mayo Clinic’s contrast reaction treatment protocols. This app focuses on the potentially life-threatening reactions that can occur when administering iodine or gadolinium radiographic contrast to patients.

To learn more, search “Mayo Clinic Contrast” in the Apple App Store. Download today for just $2.99.

Suggested Treatment Regimens for Contrast Reactions (Poster)
To order or for more information, please visit www.ce.mayo.edu/radiology.
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Rochester, Minnesota

Register online at:
www.ce.mayo.edu/radiology

<table>
<thead>
<tr>
<th>Registration Fee</th>
<th>Nurse Practitioners, Physician Assistants, Physicians/Scientists, and Residents</th>
<th>$450</th>
<th>$__________</th>
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</thead>
</table>

A complimentary syllabus on flash drive is provided for this course. A paper syllabus is not available.

Total Payment Enclosed: $__________

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<tr>
<th>Payment Method</th>
<th>(US Funds Only) * Wire Transfers Will Be Assessed A $25 Usd Fee.</th>
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<tbody>
<tr>
<td>Check (payable to Mayo Clinic)</td>
<td>Box</td>
</tr>
<tr>
<td>Credit Card:</td>
<td>Visa</td>
</tr>
</tbody>
</table>

Card Number | Expires Mo/Yr | 3-digit Security Code

Signature | Date

Complimentary Welcome Reception – Saturday, August 15, 2015

Yes, I will attend: number attending # _____

No, I will not attend

Please check if you have special accommodation or dietary needs and indicate specific need(s):

_________________________________________________________________________________________

Or mail form and payment to:
Mayo Clinic Department of Radiology CME Office
Mayo, West-2
200 First Street SW
Rochester, MN 55905

Telephone: 866-246-1581
or 507-284-3317

FAX: 507-266-3061

E-mail: radiologycme@mayo.edu
Department of Radiology

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If you have already received a copy of this brochure, please give this brochure to an interested colleague.