



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.

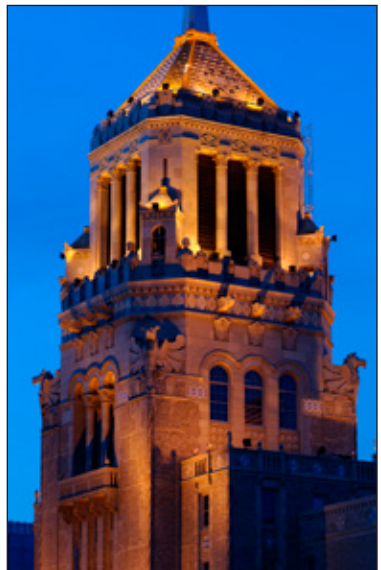
GRANTS AND EXHIBITS

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:

Mayo Clinic Department of Radiology
CME Office
Mayo, W-2
200 First Street SW
Rochester, MN 55905

Website: www.ce.mayo.edu/radiology
E-mail: radiologycme@mayo.edu
Phone: 866-246-1581
Fax: 507-266-3061

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** (radiologycme@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:

Rochester Direct

800-280-9270
\$29 per person
www.gorochesterdirect.com

Rochester Shuttle Service

507-216-6354
\$27 per person (rate valid online)
www.rochestershuttleservice.com

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.rochesterconvention.com) 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.

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.

Mayo Faculty

Kimberly K. Amrami, M.D.
John M. Barlow, 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 <i>David F. Black, M.D.</i>
7:40 a.m.	Q&A
7:45 a.m.	CT and MR: Contrast, Radiation and Safety <i>Laurence J. Eckel, M.D.</i>
8:10 a.m.	Q&A
8:15 a.m.	Evaluation of Dysphagia: How Can The Radiologist Help? <i>John M. Barlow, M.D.</i>
8:40 a.m.	Q&A
8:45 a.m.	ACR Appropriateness Criteria: How To Get The Most From Radiology <i>Christian W. Cox, M.D.</i>
9:10 a.m.	Q&A
9:15 a.m.	Break
9:30 a.m.	Chest Imaging – CXR and CT <i>Christian W. Cox, M.D.</i>
9:55 a.m.	Q&A
10:00 a.m.	Common Pediatric Diseases and Imaging Recommendations <i>Amy B. Kolbe, M.D.</i>
10:25 a.m.	Q&A
10:30 a.m.	Basic Principles of Nuclear Medicine <i>Christopher H. Hunt, M.D.</i>
10:55 a.m.	Q&A
11:00 a.m.	PET Imaging <i>Christopher H. Hunt, M.D.</i>
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 <i>Adam T. Froemming, M.D.</i>
12:40 p.m.	Q&A
12:45 p.m.	Traumatic and Nontraumatic Emergencies of the Abdomen and Pelvis <i>Adam T. Froemming, M.D.</i>
1:10 p.m.	Q&A
1:15 p.m.	Spine Interventions in Radiology <i>Jared T. Verdoorn, M.D.</i>
1:40 p.m.	Q&A
1:45 p.m.	Neuroradiology: What and When <i>Laurence J. Eckel, M.D.</i>
2:10 p.m.	Q&A
2:15 p.m.	Break
2:30 p.m.	Suspected Bowel Obstruction: Questions to be Answered by CT <i>John M. Barlow, M.D.</i>

2:55 p.m.	Q&A
3:00 p.m.	CT and US Intervention – Part I <i>Michael L. Wells, M.D.</i>
3:25 p.m.	Q&A
3:30 p.m.	CT and US Intervention – Part II <i>Michael L. Wells, M.D.</i>
3:55 p.m.	Q&A
4:00 p.m.	Diagnosis and Endovascular Management of Peripheral Arterial Disease <i>M. Reza Rajebi, M.D.</i>
4:25 p.m.	Q&A
4:30 p.m.	Triple Rule Out Cardiac CT <i>Jerome F. Breen, M.D.</i>
4:55 p.m.	Q&A
5:00 p.m.	Session Adjourns for the Day

Sunday, August 16, 2015

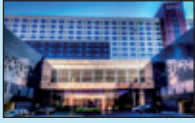
6:30 a.m.	Continental Breakfast for Course Participants
7:00 a.m.	Hematuria Evaluation <i>Robert P. Hartman, M.D.</i>
7:25 a.m.	Q&A
7:30 a.m.	Renal Mass Evaluation <i>Robert P. Hartman, M.D.</i>
7:55 a.m.	Q&A
8:00 a.m.	Efficient Communication Between Primary Care Providers and Breast Imaging Radiologists <i>Robert W. Maxwell, M.D.</i>
8:25 a.m.	Q&A
8:30 a.m.	Appearance and Management of Common Breast Imaging Abnormalities <i>Robert W. Maxwell, M.D.</i>
8:55 a.m.	Q&A
9:00 a.m.	Arthritis <i>Kimberly K. Amrami, M.D.</i>
9:25 a.m.	Q&A
9:30 a.m.	Break
9:45 a.m.	Abdominal Ultrasound: Liver, Gallbladder, Kidneys <i>John J. Schmitz, M.D.</i>
10:10 a.m.	Q&A
10:15 a.m.	Ultrasound of Neck Masses <i>Carl C. Reading, M.D.</i>
10:40 a.m.	Q&A
10:45 a.m.	Pelvic Ultrasound <i>John J. Schmitz, M.D.</i>
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.

REGISTRATION FORM

2015R119

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August 15-16, 2015

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

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

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



Name	_____
	<small>First Name Middle Name or Initial Last Name</small>
Degree	<input type="checkbox"/> NP <input type="checkbox"/> PA <input type="checkbox"/> MD <input type="checkbox"/> PhD <input type="checkbox"/> DO <input type="checkbox"/> Other _____
Institution	_____
Medical Specialty	_____
E-mail Address	_____
How did you learn about this course?	
<input type="checkbox"/> E-mail Marketing	<input type="checkbox"/> Full-Course Brochure Mailing <input type="checkbox"/> Other _____
<input type="checkbox"/> Website (please identify):	_____
Address	_____
City	_____
State/PV	_____
ZIP/Postal Code	_____
Country	_____
Home Telephone (_____)	Business Telephone (_____)

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):

Registration Fee

☐ Nurse Practitioners, Physician Assistants, Physicians/Scientists, and Residents \$450 \$ _____

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

Total Payment Enclosed: \$ _____

Payment Method (US Funds Only) * Wire Transfers Will Be Assessed A \$25 Usd Fee.

- ☐ Check (payable to Mayo Clinic)
- ☐ Credit Card: ☐ Visa ☐ MasterCard ☐ Discover

Card Number	Expires Mo/Yr	3-digit Security Code
_____	_____	_____
Signature	Date	
_____	_____	

MAYO CLINIC
200 First Street SW
Rochester, MN 55905

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

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