DEPARTMENT OF RADIOLOGY

Essentials of Radiology: A Mayo Clinic Review

September 8-12, 2014
The Kahler Grand Hotel
Rochester, MN

NEW! Mobile application provided to attendees to download slides on mobile devices or laptops, bringing the images directly to the participant, allowing for better visualization of even the most subtle finding.

REGISTER ONLINE TODAY
http://www.mayo.edu/cme/radiology.html
Course Description

*Essentials of Radiology: A Mayo Clinic Review* is designed for practicing radiologists and upper-level residents who desire a comprehensive and concise review of diagnostic radiology and its subspecialty areas. The course emphasizes a practical approach to imaging that is applicable to radiologists throughout their careers.

The Mayo Clinic Department of Radiology has 180 staff radiologists practicing in all radiologic subspecialties, performing over one million exams each year. This volume of cases coupled with the most modern imaging techniques has allowed the department to compile a vast image library.

Mayo Clinic Department of Radiology experts will conduct a series of didactic lectures. The course will provide attendees with a downloadable mobile application for both Android and iOS (Apple) mobile users. Within the app, attendees will have the opportunity to browse through slides, take notes, highlight and access additional course information including speaker bio information and local attractions. The slides will also be accessible online through a website for laptop users.

Attendees should bring a laptop or mobile device (smart phone, tablet, etc.) to the course with the app installed and the presentation slides downloaded. Information regarding downloading the app will be sent to attendees at least one week prior to the course.

Course Learning Objectives

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

- Discuss pertinent differential diagnoses for common diseases encountered in diagnostic radiology
- Describe appropriate imaging techniques and procedures used in each of the diagnostic radiology subspecialties including: cardiac radiology, nuclear medicine, interventional radiology, neuroradiology, genitourinary radiology, gastrointestinal radiology, pediatric radiology, thoracic radiology, ultrasound, breast imaging, and musculoskeletal radiology
- Discuss common vascular and nonvascular interventions

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.

Intended Audience

*Essentials of Radiology: A Mayo Clinic Review* is designed for senior radiology residents, as well as practicing radiologists interested in a comprehensive, concise review of diagnostic radiology.

Date and Location

*The Essentials of Radiology: A Mayo Clinic Review* will be held **September 8-12, 2014**. Course headquarters will be located in Heritage Hall on the subway level of The Kahler Grand Hotel, 20 SW Second Avenue, Rochester, Minnesota. Meeting facilities are easily accessible by skyway and pedestrian subway, which connect The Kahler Grand Hotel to Mayo Clinic, shops, and a variety of restaurants.

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 42 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.

Self-Assessment Modules (SAMs) – Attendees will have an opportunity to participate in 10 American Board of Radiology Self-Assessment Modules (SAMs).

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.

Registration

To register online, visit http://www.mayo.edu/cme/radiology.html, or complete the attached registration form and return by mail or fax.

The registration fee includes course tuition, comprehensive course syllabus on flash drive, radiology CME mobile application, daily continental breakfasts, break refreshments, and lunches (for meeting participants only), and a 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
Continuing Medical Education Office
Mayo, W-2
200 First Street SW
Rochester, MN 55905

Website: www.mayo.edu/cme/radiology.html
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 24, 2014 (radiologycme@mayo.edu or fax #: 507-266-3061). No refunds will be made on or after August 24, 2014. Canceled registrations are non-transferable.

Mayo Clinic Department of Radiology CME Office and/or Mayo School of CPD reserves 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.
General Information

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 Kahler Grand Hotel and 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
http://www.gorochesterdirect.com

**Rochester Shuttle Service**
507-216-6354
$25 per person (rate valid online)
http://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 special course
rates at each of the following downtown Rochester hotels. In order to receive the
special rate, reservations must be made before the room block is filled or before the
expiration date of **August 18, 2014**, whichever comes first. Reservations will be
taken following this date based on space and rate availability. Please identify
yourself as a participant of Essentials of Radiology: A Mayo Clinic Review when
making your reservation.

**Kahler Grand Hotel**
20 Second Avenue SW
800-533-1655 or 507-282-2581
$92 Standard King
$109 Deluxe King
$149 Executive King

**Rochester Marriott Hotel**
101 First Avenue SW
877-623-7775 or 507-280-6000
$149 Run of the House

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 hotels listed above are 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 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.
General Information

Social Programs

Welcome Reception – Monday evening, September 8, 2014
Attendees and their guest(s) are cordially invited to join the course faculty for the Welcome Reception on Monday evening, September 8, 2014. This casual reception welcomes you to Rochester, officially opens the course, and offers the perfect opportunity to make connections with existing and new colleagues. Pre-registration is requested.

Faculty

Course Directors
B. Matthew Howe, M.D.
Christopher H. Hunt, M.D.
A. Nick Kurup, M.D.
David L. Levin, M.D., Ph.D.

Mayo Faculty
Darcy L. Adamczyk, M.D.
Kimberly K. Amrami, M.D.
Philip A. Araoz, M.D.
Larry A. Binkovitz, M.D.
Haraldur Bjarnason, M.D.
Hannah M. Brandts, M.D.
Douglas (Rusty) Brown, M.D.
Sharon S. Burton, M.D.
Mark S. Collins, M.D.
Amy L. Conners, M.D.
Kiia M. Dudiak, M.D.
Laurence J. Eckel, M.D.
Patrick W. Eiken, M.D.
Robert T. Fazzio, M.D., Ph.D.
Chad J. Fleming, M.D.
Thomas A. Foley, M.D.
Matthew A. Frick, M.D.
Jeremy L. Friese, M.D.
Adam T. Froemming, M.D.
James Gockner, M.D., Ph.D.
Robert P. Hartman, M.D.
Thomas E. Hartman, M.D.
Tara L. Henrichsen, M.D.
Gina K. Hesley, M.D.
John W. Hildebrandt, M.D.
David M. Hough, M.B., Ch.B.
B. Matthew Howe, M.D.
Christopher H. Hunt, M.D.
John Huston, III, M.D.
Geoffrey B. Johnson, M.D., Ph.D.
Katie N. Jones, M.D.
Akira Kawashima, M.D., Ph.D.
Bohyun Kim, M.D., Ph.D.
Bernard F. King, Jr., M.D.
Amy B. Kolbe, M.D.
A. Nick Kurup, M.D.
John I. Lane, M.D.
David L. Levin, M.D., Ph.D.
Rebecca M. Lindell, M.D.
Jane M. Matsumoto, M.D.
Robert W. Maxwell, M.D.
Brendan P. McMenomy, M.D.
Jonathan M. Morris, M.D.
Robert C. Murphy, M.D., Ph.D.
Naveen S. Murthy, M.D.
Mark A. Nathan, M.D.
Michael D. Ringler, M.D.
John A. Skinner, M.D.
Kent R. Thielen, M.D.
Kristen B. Thomas, M.D.
Stephen W. Trenkner, M.D.
Robert E. Watson, Jr., M.D., Ph.D.
Doris E. Wenger, M.D.
Robert J. Witte, M.D.
David A. Woodrum, M.D., Ph.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).
# Course Schedule

## Monday, September 8, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 a.m.</td>
<td>Registration and Continental Breakfast for Meeting Participants</td>
</tr>
<tr>
<td>7:15 a.m.</td>
<td>Welcome and Announcements</td>
</tr>
<tr>
<td>7:20 a.m.</td>
<td>Mobile Application Introduction</td>
</tr>
<tr>
<td></td>
<td>Mr. Tony A. Hart</td>
</tr>
<tr>
<td>7:30 a.m.</td>
<td>Musculoskeletal Radiology Session</td>
</tr>
<tr>
<td></td>
<td>Trauma of the Appendicular and Axial Skeleton</td>
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<tr>
<td></td>
<td>Naveen S. Murthy, M.D.</td>
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<tr>
<td>8:15 a.m.</td>
<td>Metabolic and Endocrine Disease</td>
</tr>
<tr>
<td></td>
<td>John A. Skinner, M.D.</td>
</tr>
<tr>
<td>8:45 a.m.</td>
<td>Imaging of Bone Tumors</td>
</tr>
<tr>
<td></td>
<td>Doris E. Wenger, M.D.</td>
</tr>
<tr>
<td>9:30 a.m.</td>
<td>Break</td>
</tr>
<tr>
<td>9:45 a.m.</td>
<td>Musculoskeletal Infections</td>
</tr>
<tr>
<td></td>
<td>Matthew A. Frick, M.D.</td>
</tr>
<tr>
<td>10:15 a.m.</td>
<td>Arthritis</td>
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<tr>
<td></td>
<td>Kimberly K. Amrami, M.D.</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>MRI of the Shoulder – SAM I</td>
</tr>
<tr>
<td></td>
<td>Michael D. Ringler, M.D.</td>
</tr>
<tr>
<td>11:30 a.m.</td>
<td>MRI of the Knee – SAM I</td>
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<tr>
<td></td>
<td>Mark S. Collins, M.D.</td>
</tr>
<tr>
<td>12:00 p.m.</td>
<td>SAM Test and Question Discussion</td>
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<tr>
<td></td>
<td>Mark S. Collins, M.D. and Michael D. Ringler, M.D.</td>
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<tr>
<td>12:15 p.m.</td>
<td>Lunch</td>
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<tr>
<td>1:00 p.m.</td>
<td>Neuroradiology Session</td>
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<tr>
<td></td>
<td>CPA/JAC Anatomy and Pathology</td>
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<td></td>
<td>John I. Lane, M.D.</td>
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<tr>
<td>1:30 p.m.</td>
<td>Sella</td>
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<tr>
<td></td>
<td>Robert J. Witte, M.D.</td>
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<tr>
<td>2:00 p.m.</td>
<td>Brain Tumor</td>
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<tr>
<td></td>
<td>Laurence J. Eckel, M.D.</td>
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<tr>
<td>2:30 p.m.</td>
<td>Epilepsy Imaging</td>
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<tr>
<td></td>
<td>Robert E. Watson, Jr., M.D., Ph.D.</td>
</tr>
<tr>
<td>3:00 p.m.</td>
<td>Break</td>
</tr>
<tr>
<td>3:15 p.m.</td>
<td>CNS Vascular Malformations</td>
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<tr>
<td></td>
<td>Kent R. Thielen, M.D.</td>
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<tr>
<td>3:45 p.m.</td>
<td>Noninvasive Neurovascular Imaging</td>
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<tr>
<td></td>
<td>John Huston, III, M.D.</td>
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<tr>
<td>4:15 p.m.</td>
<td>The Pineal Region: Anatomy and Pathology – SAM II</td>
</tr>
<tr>
<td></td>
<td>Jonathan M. Morris, M.D.</td>
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<tr>
<td>5:15 p.m.</td>
<td>SAM Test and Question Discussion</td>
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<tr>
<td></td>
<td>Jonathan M. Morris, M.D.</td>
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<tr>
<td>5:30 p.m.</td>
<td>Session Adjourns for the Day</td>
</tr>
</tbody>
</table>

## Tuesday, September 9, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 a.m.</td>
<td>Continental Breakfast for Meeting Participants</td>
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<tr>
<td>7:30 a.m.</td>
<td>Breast Imaging Session</td>
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<td></td>
<td>Navigating Diagnostics</td>
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<td></td>
<td>Amy L. Conners, M.D.</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>Essentials of New Breast Imaging Technology</td>
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<tr>
<td></td>
<td>Tara L. Henrichsen, M.D.</td>
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<tr>
<td>Time</td>
<td>Session</td>
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<td>-------------------------------------------------------------------------</td>
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<tr>
<td>8:30 a.m.</td>
<td>Male Breast Disease</td>
</tr>
<tr>
<td>9:00 a.m.</td>
<td>Ultrasound Biopsy Techniques</td>
</tr>
<tr>
<td>9:30 a.m.</td>
<td>The Ins and Outs of BI-RADS 3</td>
</tr>
<tr>
<td>10:00 a.m.</td>
<td>Break</td>
</tr>
<tr>
<td>10:15 a.m.</td>
<td>Hyperechoic Breast Lesions: The Good, the Bad, and the Ugly – SAM III</td>
</tr>
<tr>
<td>10:45 a.m.</td>
<td>Approach to Breast Calcifications – SAM III</td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td>SAM Test and Question Discussion</td>
</tr>
<tr>
<td>11:30 a.m.</td>
<td>Lunch</td>
</tr>
<tr>
<td>12:15 p.m.</td>
<td>MRI Prostate</td>
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<tr>
<td>12:45 p.m.</td>
<td>Uroepithelial Tumors</td>
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<tr>
<td>1:05 p.m.</td>
<td>Imaging of UTI</td>
</tr>
<tr>
<td>1:25 p.m.</td>
<td>Imaging of the Female Pelvis</td>
</tr>
<tr>
<td>2:10 p.m.</td>
<td>Break</td>
</tr>
<tr>
<td>2:25 p.m.</td>
<td>Cystic Renal Diseases</td>
</tr>
<tr>
<td>2:45 p.m.</td>
<td>Imaging of Renal Tumors – SAM IV</td>
</tr>
<tr>
<td>3:15 p.m.</td>
<td>Imaging of the Adrenal Glands – SAM IV</td>
</tr>
<tr>
<td>3:45 p.m.</td>
<td>SAM Test and Question Discussion</td>
</tr>
<tr>
<td>4:00 p.m.</td>
<td>Break</td>
</tr>
<tr>
<td>4:15 p.m.</td>
<td>Small Intestine</td>
</tr>
<tr>
<td>4:45 p.m.</td>
<td>Imaging the Liver and Biliary Tree</td>
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<tr>
<td>5:15 p.m.</td>
<td>The Colon</td>
</tr>
<tr>
<td>5:45 p.m.</td>
<td>Imaging the Pancreas</td>
</tr>
<tr>
<td>6:15 p.m.</td>
<td>Session Adjourns for the Day</td>
</tr>
</tbody>
</table>

**Wednesday, September 10, 2014**

6:30 a.m. Continental Breakfast for Meeting Participants

**GI Radiology Session – Continued**

7:30 a.m. Peritoneal Diseases
Stephen W. Trenkner, M.D.

8:00 a.m. Imaging the Esophagus
Stephen W. Trenkner, M.D.

8:30 a.m. Imaging Bariatric Surgery – SAM V
Stephen W. Trenkner, M.D.
9:30 a.m.  SAM Test and Question Discussion  
Stephen W. Trenkner, M.D.

9:45 a.m.  Break

**Ultrasound Session**

10:00 a.m.  Neck Ultrasound  
Tara L. Henrichsen, M.D.

10:40 a.m.  Ultrasound of the Liver – SAM VI  
A. Nick Kurup, M.D.

11:10 a.m.  Ultrasound of the Gallbladder, Bile Ducts and Pancreas – SAM VI  
Gina K. Hesley, M.D.

11:40 a.m.  SAM Test and Question Discussion  
A. Nick Kurup, M.D.

11:55 a.m.  Lunch

12:40 p.m.  Renal and Scrotal Ultrasound  
Bernard F. King, Jr., M.D.

1:20 p.m.  First Trimester Obstetric Ultrasound and Ectopic Pregnancy  
Douglas (Rusty) Brown, M.D.

1:50 p.m.  Second and Third Trimester Obstetric Ultrasound  
Douglas (Rusty) Brown, M.D.

2:30 p.m.  Break

**Pediatric Radiology Session**

2:45 p.m.  Pediatric Chest Radiology  
Jane M. Matsumoto, M.D.

3:15 p.m.  Pediatric Vascular Anomalies  
Amy B. Kolbe, M.D.

3:45 p.m.  Pediatric Genitourinary Imaging  
Larry A. Binkovitz, M.D.

4:15 p.m.  Pediatric Nonaccidental Trauma  
Kristen B. Thomas, M.D.

4:45 p.m.  Break

5:00 p.m.  Radiation Issues in Pediatric Radiology: What You Need to Know – SAM VII  
Jane M. Matsumoto, M.D.

6:00 p.m.  SAM Test and Question Discussion  
Jane M. Matsumoto, M.D.

6:15 p.m.  Session Adjourns for the Day

**Thursday, September 11, 2014**

6:30 a.m.  Continental Breakfast for Meeting Participants

**Thoracic Radiology Session**

7:30 a.m.  Mediastinum  
Rebecca M. Lindell, M.D.

8:00 a.m.  Thoracic Infection  
Thomas E. Hartman, M.D.

8:30 a.m.  Connective Tissue Disease and Vasculitis  
Patrick W. Eiken, M.D.

9:00 a.m.  Acute Chest Radiology  
David L. Levin, M.D., Ph.D.

9:30 a.m.  Break

9:45 a.m.  Thoracic Neoplasms  
John W. Hildebrandt, M.D.

10:30 a.m.  HRCT of Diffuse Lung Disease – SAM VIII  
Thomas E. Hartman, M.D.

11:00 a.m.  Plain Film Evaluation of Diffuse Lung Disease – SAM VIII  
David L. Levin, M.D., Ph.D.
11:30 a.m.  SAM Test and Question Discussion  
David L. Levin, M.D., Ph.D.

11:45 a.m.  Lunch

**Cardiac Radiology Session**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>12:30 p.m.</td>
<td>Coronary CTA</td>
<td>Philip A. Araoz, M.D.</td>
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<tr>
<td>1:00 p.m.</td>
<td>Cardiac Anatomy on Plain Film</td>
<td>Philip A. Araoz, M.D.</td>
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<tr>
<td>1:30 p.m.</td>
<td>Plain Film of Cardiac Valve Replacement and Repairs</td>
<td>Philip A. Araoz, M.D.</td>
</tr>
<tr>
<td>2:00 p.m.</td>
<td>Plain Film of Pacemakers and Internal Defibrillators</td>
<td>Philip A. Araoz, M.D.</td>
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<tr>
<td>2:30 p.m.</td>
<td>Break</td>
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<tr>
<td>2:45 p.m.</td>
<td>Basics of a Cardiac MRI Examination</td>
<td>James Glockner, M.D., Ph.D.</td>
</tr>
<tr>
<td>3:15 p.m.</td>
<td>MRI of Non-Ischemic Cardiomyopathies</td>
<td>Thomas A. Foley, M.D.</td>
</tr>
<tr>
<td>3:45 p.m.</td>
<td>Cardiac Findings on Non-Cardiac CT</td>
<td>Philip A. Araoz, M.D.</td>
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</tbody>
</table>

**Friday, September 12, 2014**

6:30 a.m.  Continental Breakfast for Meeting Participants

**Interventional Radiology Session**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 a.m.</td>
<td>Vascular Diagnosis and Intervention in the Extremities</td>
<td>Haraldur Bjarnason, M.D.</td>
</tr>
<tr>
<td>8:15 a.m.</td>
<td>Vascular Diagnosis and Intervention in the Abdomen and Pelvis</td>
<td>Jeremy L. Friese, M.D.</td>
</tr>
<tr>
<td>9:00 a.m.</td>
<td>Vascular Diagnosis and Intervention in the Thorax</td>
<td>David A. Woodrum, M.D., Ph.D.</td>
</tr>
<tr>
<td>9:45 a.m.</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>10:00 a.m.</td>
<td>Nonvascular Diagnosis and Intervention – SAM IX</td>
<td>Chad J. Fleming, M.D.</td>
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</tbody>
</table>

11:00 a.m.  SAM Test and Question Discussion  
Chad J. Fleming, M.D.

11:15 a.m.  Lunch

**Nuclear Medicine Session**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 p.m.</td>
<td>PET/CT of GI and GU Malignancies</td>
<td>Mark A. Nathan, M.D.</td>
</tr>
<tr>
<td>12:30 p.m.</td>
<td>Rapid Cardiac Imaging with Solid-State SPECT Instruments</td>
<td>Geoffrey B. Johnson, M.D., Ph.D.</td>
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<tr>
<td>1:00 p.m.</td>
<td>The Why and How of Parathyroid Imaging</td>
<td>Christopher H. Hunt, M.D.</td>
</tr>
<tr>
<td>1:30 p.m.</td>
<td>PET/CT in Thoracic Imaging</td>
<td>Geoffrey B. Johnson, M.D., Ph.D.</td>
</tr>
<tr>
<td>2:00 p.m.</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>Pulmonary Scintigraphy</td>
<td>Robert C. Murphy, M.D., Ph.D.</td>
</tr>
<tr>
<td>2:45 p.m.</td>
<td>Multimodality Imaging of Cognitive Decline and Dementia – SAM X</td>
<td>Christopher H. Hunt, M.D.</td>
</tr>
<tr>
<td>3:45 pm.</td>
<td>SAM Test and Question Discussion</td>
<td>Christopher H. Hunt, M.D.</td>
</tr>
<tr>
<td>4:00 p.m.</td>
<td>Course Concludes</td>
<td></td>
</tr>
</tbody>
</table>
Mayo Clinic Department of Radiology Future CME Courses

**Advanced Radiology Life Support™ (ARLS) Course**
September 13, 2014 • February 7, 2015 • September 19, 2015
Mayo Clinic, Siebens Medical Education Building, Rochester, Minnesota

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November 10-14, 2014
The Ritz-Carlton, Dove Mountain, Marana, Arizona

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*Essentials of Radiology: A Mayo Clinic Review*
October 5-9, 2015
Doubletree by Hilton Rochester, Minnesota
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**September 8-12, 2014**

**The Kahler Grand Hotel • Rochester, MN**

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