

**Gain confidence.
Enhance skills.
Implement immediately.**



ACR Education Center 2012 Mini-Fellowship Catalog



BREAST

CARDIAC

MR

CT

MULTI-MODALITY

- Breast Imaging Boot Camp
- Breast MR With Guided Biopsy
- Coronary CT Angiography
- Cardiac and Peripheral Vascular MR
- Musculoskeletal MR
- Body and Pelvic MR
- CT Colonography
- HRCT **NEW**
- ACR-Dartmouth PET/CT
- Neuroradiology
- Neuroradiology — Head and Neck **NEW**
- Weekend in the ED **NEW**

"I am much more confident in my PET interpretations. I am encouraging my partners to attend. I will certainly see you again for other courses at the Education Center."

— Emily Billingsley, MD

acr.org/edcenter

Letter From the Chair



Unique, customized learning experience with the ACR Case Engine

*Individual workstations that emulate your clinical environment**

Case review and feedback provided by renowned experts

Expansive repository of cases and data sets

*Large selection of vendor software**

Receive an ACR certificate upon successful completion



Welcome to the ACR Education Center — the finest radiology teaching facility in the world!

When the ACR Board of Chancellors embarked on a bold initiative to create a new educational paradigm for radiology, we had no idea the results would be so impressive. We are proud of both the design and delivery of courses, having trained thousands of radiologists and demonstrated our ability to provide the best radiology teaching available.

Come experience the ACR Education Center.

When you arrive at the ACR Education Center, you will experience one of the most technologically advanced training facilities in the world. You will use your own dedicated workstation with the vendor software* of your choice and have access to immense datasets, as well as the ACR Case Engine, our proprietary learning methodology.

Additionally, we will provide you with considerable one-on-one instruction throughout the course due to our faculty/attendee ratio of 1:10, the feedback and reports available through the Case Engine, and a complement of application support specialists from each of the vendors. We believe that employing an optimal combination of lectures and self-paced educational methods greatly enhances your experience at our courses.

Although it is preferable that you are familiar with the vendor workstation you have selected, a refresher session will be offered the evening before the course starts. Application support specialists will be available during the refresher session to demonstrate basic functionality of the selected software.

Upon successfully completing the course, you will receive an ACR certificate. The certificate supports radiologists in addressing requirements for Maintenance of Certification, as well as the requirements of third-party entities that stipulate demonstrated training.

You will appreciate the level of service you receive at the ACR Education Center. From free shuttle bus service between the Westin Reston Heights and the Center, food and beverages available throughout the course, a cocktail reception the first night of the course, to extended hours from 7 a.m. to 10 p.m. each day, we strive to make your learning experience as beneficial as possible.

Register now and take advantage of your Education Center. You'll receive a \$250 discount on registrations received more than three months prior to a course.

If you have any questions, please contact us at acr_education_center@acr.org. We look forward to seeing you at the ACR Education Center!

John A. Patti, MD, FACR
Chair, Board of Chancellors

*Please view the registration form for a list of supported vendors.

The ACR Education Center The Future of Radiologic Training

What is the ACR Education Center?

In this unique training facility, you will immerse yourself in lectures and review hundreds of cases, including pathology, as you work to improve your confidence and gain practical experience.



You will also benefit from:

- One-on-one mentoring from world-renown faculty
- Dynamic and interactive hands-on training
- Working at your own individual workstation that emulates your practice environment
- Access to the ACR Case Engine – our proprietary learning methodology
- Reviewing best practices, quality standards and ACR Appropriateness Criteria®

Real-world training you can apply the moment you return to your practice

When you complete a mini-fellowship at the ACR Education Center, you'll learn how to meet practice guidelines and technical standards through improved protocols and decreased scan times. Plus, you'll gain an understanding of coding procedures to improve reimbursement and learn structured reporting which can increase physician referrals.

“If you ever wonder if you’re going to be able to keep up with the demands of radiology, take a course at the ACR Education Center. Taking courses here gave me confidence.”

– Anna Zavodni, MD

“Learning this way, the material stays with me. It’s practical and applicable in my day-to-day practice.”

– Robert Lenobel, MD

RETURNING IN 2013

ACR-SPR PEDIATRIC CARDIAC MR

This two-and-a-half-day course is designed to optimize clinical practice skills by providing intense training in interpreting pediatric cardiac MR examinations under the supervision of expert faculty. Participants use workstations with access to over 100 congenital and pediatric cardiac MR cases. Pre- and post-operative cases will be available for review. Post-processing techniques will be emphasized. The course also covers technical considerations for obtaining optimal examinations for interpretation.

BREAST IMAGING BOOT CAMP

FEBRUARY 2–4 | APRIL 26–28 | AUGUST 1–3 | OCTOBER 11–13

ACR Member \$3,500

Earn up to 34.25 AMA PRA Category 1 Credits™ and 4 SAM Credits

Night Before

6 p.m. Workstation Refresher Session

7:30 p.m. ACR Education Center Closes

Day 1

7 a.m. Registration and Continental Breakfast

8 a.m. **Lecture: Overview of Mammography Screening**

9 a.m. Workstation Function and Case Review Introduction

9:15 a.m. Supervised Case Review #1

10 a.m. Break

10:15 a.m. Supervised Case Review #2

Noon Lunch

12:30 p.m. Supervised Case Review #3

2:15 p.m. **Lecture: Interpretation of Mammographic Calcifications**

2:45 p.m. Break

3 p.m. Supervised Case Review #4

4 p.m. **Lecture: Mammographic Asymmetries**

4:30 p.m. Supervised Case Review #5

5:30 p.m. Cocktail Reception

6 p.m. Optional Time for Self-Review of Cases

10 p.m. ACR Education Center Closes

Day 2

7 a.m. Optional Time for Self-Review of Cases

8 a.m. **Lecture: Interpretation of Mammographic Masses**

8:30 a.m. Supervised Case Review #6

10 a.m. Break

10:15 a.m. **Lecture: Medical Legal Issues**

10:45 a.m. Supervised Case Review #7

Noon Lunch

12:30 p.m. Supervised Case Review #8

2:45 p.m. Break

3 p.m. Supervised Case Review #9

4:30 p.m. **Lecture: Overview of Breast Ultrasound**

5:30 p.m. Break

6 p.m. Optional Time for Self-Review of Cases

10 p.m. ACR Education Center Closes

Day 3

7 a.m. Optional Time for Self-Review of Cases

8 a.m. **Lecture: Interventional Breast Ultrasound**

9 a.m. **Lecture: Technical Aspects of Stereotactic Breast Biopsy**

10 a.m. Workshop: Interventional Breast Ultrasound

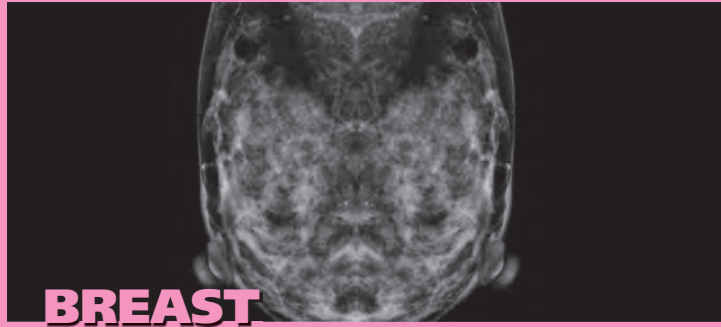
Noon Lunch

12:30 p.m. Workshop: Stereotactic Biopsy

2:30 p.m. Break

2:45 p.m. Supervised Case Review #10

4 p.m. Course Concludes



Course Director: Gillian Newstead, MD, FACR

Course Overview

This three-day course, led by Gillian Newstead, MD, FACR; Robert Schmidt, MD; Michael Linver, MD, FACR; and Christopher Comstock, MD, is designed to provide practicing radiologists with intensive, hands-on experience in breast imaging. Throughout the three-day program, participants will develop their interpretive expertise in the evaluation of mammography studies by hands-on interpretation of over 240 digital screening and diagnostic mammograms at their own individual PACS digital workstation. Participants will enhance their perceptive skills with direct assistance from a panel of expert radiologists. Specific instruction in the use and application of computer-aided techniques will also be provided. In addition, interventional workshops will be available in breast ultrasound and stereotactic biopsy.

This course satisfies the following MQSA and ACR accreditation requirements:

- Re-establishing continuing experience requirements of the MQSA
- Initial qualifications for Full Field Digital Mammography (FFDM) under MQSA
- Continuing education requirements for stereotactic breast biopsy
- Continuing education requirements for ultrasound-guided breast biopsy

Program Objectives

At the conclusion of this course, participants will be able to:

1. Utilize perception skills for detection of cancer at digital mammographic screening
2. Interpret digital mammographic screen-detected findings
3. Demonstrate skills to minimize the call-back rate for normal/benign findings at mammographic screening
4. Describe the application of computerized techniques as an aid in mammographic interpretation
5. Recognize diagnostic work-up of screen-detected findings and symptomatic patients
6. Conduct interventional workshops for stereotactic and ultrasound guided biopsy

Attendees who interpret a minimum of 240 digital mammography examinations will be awarded a Certificate of Completion stating the actual number of mammographic examinations read under the direct supervision of an interpreting physician, which will count towards meeting the physician interpretive requirements for MQSA qualification and certification maintenance.

Accreditation Statement: The American College of Radiology (ACR) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Designation Statement: The American College of Radiology designates this live activity for a maximum of 34.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The ACR Education Center courses were qualified by the American Board of Radiology in meeting the criteria for self-assessment toward the purpose of fulfilling requirements in the ABR Maintenance of Certification Program. Breast MR includes 4 SAM Credits approved July 13, 2009; CT Colonography and PET/CT include 4 SAM Credits approved Aug. 6, 2009; Coronary CT Angiography includes 4 SAM Credits approved Nov. 5, 2009; Body MR includes 4 SAM Credits approved Dec. 8, 2009; MSK MR includes 4 SAM Credits approved Dec. 17, 2009; Cardiac and Peripheral Vascular MR includes 4 SAM Credits approved April 27, 2010. Breast Imaging Boot Camp includes 4 SAM Credits approved April 25, 2011.

BREAST MR WITH GUIDED BIOPSY

FEBRUARY 7–8 | MAY 21–22 | JUNE 26–27 | AUGUST 7–8 | NOVEMBER 1–2
Seattle, WA

ACR Member \$3,000



Course Director: Constance Lehman, MD, PhD, FACR

Course Overview

This 100-case, two-day course, led by Constance Lehman, MD, PhD, FACR, is designed to provide practicing radiologists with an intensive, hands-on experience in reading breast MR. Throughout the two-day program, participants will develop their interpretive skills through extensive case reviews at individual workstations. In addition, hands-on MRI guided biopsy workshops will provide training in accurate and safe MRI guided biopsy techniques.

Program Objectives

At the conclusion of this course, participants will be able to:

1. Assess the clinical role of breast MRI in patient selection and in improved detection, diagnosis and treatment of breast disease
2. Apply imaging protocols and techniques to produce high quality breast MR images in keeping with current recommended standards
3. Accurately and efficiently interpret and report on breast MR exams in accordance with the ACR BI-RADS® MRI module
4. Utilize breast MR guided biopsy tools effectively and safely

Attendees who complete a minimum of 100 cases will be awarded a Certificate of Proficiency stating they meet the Maintenance of Competence case requirement as specified in the ACR Practice Guideline for the Performance of Magnetic Resonance Imaging (MRI) of the Breast.

Accreditation Statement: The American College of Radiology (ACR) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Designation Statement: The American College of Radiology designates this live activity for a maximum of 21 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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Earn up to 21 AMA PRA Category 1 Credits™ and 4 SAM Credits

Night Before

- 6 p.m. Workstation Refresher Session
- 7:30 p.m. ACR Education Center Closes

Day 1

- 7 a.m. Registration and Continental Breakfast
- 8:30 a.m. **Lecture: Evidence-Based Clinical Indications for Breast MRI**
- 9 a.m. **Lecture: A Practical Approach to Image Interpretation**
- 9:30 a.m. Workstation Introduction
- 10 a.m. Break
- 10:15 a.m. Supervised Case Review #1
- Noon Lunch
- 12:30 p.m. Supervised Case Review #2
- 2:45 p.m. Break
- 3 p.m. **Lecture: Breast MRI — Acquisition of High Quality Images**
- 3:30 p.m. Supervised Case Review #3
- 5:30 p.m. Cocktail Reception
- 6 p.m. Optional Time for Self-Review of Cases
- 10 p.m. ACR Education Center Closes

Day 2

- 7 a.m. Optional Time for Self-Review of Cases
- 8:30 a.m. **Lecture: Breast MRI-Guided Intervention**
- 9 a.m. Workshop: Breast MR Guided Intervention
- 10:15 a.m. Break
- 10:30 a.m. Supervised Case Review #4
- Noon Lunch
- 12:30 p.m. **Lecture: Sustaining a High Quality Breast MRI Practice**
- 1 p.m. Supervised Case Review #5
- 2:45 p.m. Break
- 3 p.m. Supervised Case Review #6
- 5 p.m. Course Concludes

“This is the best course I have ever attended in my entire professional career.”

CARDIAC AND PERIPHERAL VASCULAR MR

MARCH 2–4 | JUNE 1–3 | OCTOBER 19–21

ACR Member \$3,250

Earn up to 30.75 AMA PRA Category 1 Credits™ and 4 SAM Credits

Night Before

6 p.m. Workstation Refresher Session
7:30 p.m. ACR Education Center Closes

Day 1

7 a.m. Registration and Continental Breakfast
8 a.m. **Lecture: Basic Pulse Sequences & How to Perform a Cardiac MRI Study**
9 a.m. Workstation Introduction
9:15 a.m. Supervised Case Review #1
10 a.m. Break
10:15 a.m. Supervised Case Review #2
Noon Lunch
12:30 p.m. **Lecture: Clinical Applications of Cardiac MRI**
1:30 p.m. Supervised Case Review #3
2:30 p.m. Break
2:45 p.m. Supervised Case Review #4
5:30 p.m. Cocktail Reception
6 p.m. Optional Time for Self-Review of Cases
10 p.m. ACR Education Center Closes

Day 2

7 a.m. Optional Time for Self-Review of Cases
8 a.m. **Lecture: Ischemic and Nonischemic Cardiomyopathies**
9 a.m. Supervised Case Review #5
10 a.m. Break
10:15 a.m. Supervised Case Review #6
Noon Lunch
12:30 p.m. **Lecture: Vascular MR Angiography**
1:30 p.m. Supervised Case Review #7
2:45 p.m. Break
3 p.m. Supervised Case Review #8
5:30 p.m. Break
6 p.m. Optional Time for Self-Review of Cases
10 p.m. ACR Education Center Closes

Day 3

7 a.m. Optional Time for Self-Review of Cases
8 a.m. Supervised Case Review #9
10 a.m. Break
10:15 a.m. Supervised Case Review #10
Noon Course Concludes



Course Director: Ricardo Cury, MD

Course Overview

This two-and-a-half-day course is designed to optimize clinical practice skills by providing intense training in interpreting cardiac MR examinations under the supervision of expert faculty.

Participants use workstations with the same vendor software as in their own practice and have access to over 50 cardiac MR and vascular MR angiography cases for review. Post-processing techniques and interpretation will be emphasized. The course also covers technical considerations for obtaining optimal examinations for interpretation.

Program Objectives

At the conclusion of this course, participants will be able to:

1. Identify normal cardiovascular anatomy and normal anatomic variants
2. Determine the spectrum of ischemic and nonischemic cardiomyopathies, including function, rest and stress perfusion and viability
3. Evaluate pericardial constriction, cardiac masses, valvular disease, pulmonary veins and cardiac shunts
4. Identify new techniques such as assessment of area at risk and myocardial edema with T2W imaging
5. Interpret vascular MRA, including aorta, renal, carotid, visceral and peripheral vessels
6. Recognize imaging manifestations of cardiovascular disease, and the complementary role of MRI to echocardiography, CT and cardiac catheterization in therapeutic decision making
7. Apply the technical basis of Cardiac and Peripheral Vascular MR, including hardware requirements, sequence selection and optimization, and technical limitations
8. Apply post-processing techniques for functional, flow and angiographic evaluation
9. Review ongoing technical and clinical developments in the field of Cardiac and Peripheral Vascular

Attendees who interpret a minimum of 50 cases will be awarded a Certificate of Proficiency stating they meet the case requirement as specified in the ACR Practice Guideline for Performance and Interpretation of Cardiac Magnetic Resonance Imaging (MRI).

Accreditation Statement: The American College of Radiology (ACR) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Designation Statement: The American College of Radiology designates this live activity for a maximum of 30.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The ACR Education Center courses were qualified by the American Board of Radiology in meeting the criteria for self-assessment toward the purpose of fulfilling requirements in the ABR Maintenance of Certification Program. Breast MR includes 4 SAM Credits approved July 13, 2009; CT Colonography and PET/CT include 4 SAM Credits approved Aug. 6, 2009; Coronary CT Angiography includes 4 SAM Credits approved Nov. 5, 2009; Body MR includes 4 SAM Credits approved Dec. 8, 2009; MSK MR includes 4 SAM Credits approved Dec. 17, 2009; Cardiac and Peripheral Vascular MR includes 4 SAM Credits approved April 27, 2010. Breast Imaging Boot Camp includes 4 SAM Credits approved April 25, 2011.

CORONARY CT ANGIOGRAPHY

MARCH 16–18 | JULY 13–15 | NOVEMBER 9–11

ACR Member \$3,250



**Course Directors: Amar Shah, MD
Joe Hsu, MD**

Course Overview

This two-and-a-half-day course is designed to optimize your clinical practice skills by providing intense training in interpreting coronary CTA examinations under the supervision of expert faculty. Participants use workstations with the same vendor software as in their own practice and have access to over 150 cases. Most cases include clinical scenarios as well as coronary catheter angiography correlation. The course also covers technical considerations for obtaining optimal examinations for interpretation.

Program Objectives

At the conclusion of this course, participants will be able to:

1. Identify normal cardiac anatomy, including coronary arteries, coronary veins, cardiac chambers, valves and great vessels, as well as identify and describe the clinical importance of variant anatomy
2. Describe basic technical aspects of coronary CT, including prospective versus retrospective gating, single-cycle versus multicycle reconstruction, temporal resolution, spatial resolution, scan parameters and contrast-injection techniques
3. Determine appropriate technique for administering beta blockers and nitroglycerin, with knowledge of absolute and relative contraindications
4. Identify and describe how to improve examinations with artifacts, such as cardiac arrhythmias, ECG misregistration and poor breath hold
5. Describe the use of different post-processing techniques based on the appropriate clinical indication, including axial source images, multiplanar reconstructions, maximum intensity projections and volume-rendered images

Attendees who interpret a minimum of 50 cases will be awarded a Certificate of Proficiency stating they meet the case requirement as specified in the ACR Practice Guideline for the Performance and Interpretation of Cardiac Computed Tomography.

Accreditation Statement: The American College of Radiology (ACR) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Designation Statement: The American College of Radiology designates this live activity for a maximum of 33.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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Earn up to 33.25 AMA PRA Category 1 Credits™ and 4 SAM Credits

Night Before

- 6 p.m. Workstation Refresher Session
- 7:30 p.m. ACR Education Center Closes

Day 1

- 7 a.m. Registration and Continental Breakfast
- 8 a.m. **Lecture: Anatomy**
- 8:30 a.m. **Lecture: How to Report a Cardiac CT**
- 9 a.m. Workstation Introduction
- 9:45 a.m. Break
- 10 a.m. Supervised Case Review #1
- Noon Lunch
- 12:30 p.m. Supervised Case Review #2
- 2:45 p.m. Break
- 3 p.m. Supervised Case Review #3
- 5 p.m. **Lecture: CABG and Pulmonary Veins**
- 5:30 p.m. Cocktail Reception
- 6 p.m. Optional Time for Self-Review of Cases
- 10 p.m. ACR Education Center Closes

Day 2

- 7 a.m. Optional Time for Self-Review of Cases
- 8 a.m. Supervised Case Review #4
- 9:45 a.m. Break
- 10 a.m. **Lecture: Function and Valves**
- 10:30 a.m. Supervised Case Review #5
- Noon Lunch
- 12:30 p.m. Supervised Case Review #6
- 2:45 p.m. Break
- 3 p.m. **Lecture: Indications and Technical Aspects of Coronary CTA**
- 3:30 p.m. Supervised Case Review #7
- 5:30 p.m. Break
- 6 p.m. Optional Time for Self-Review of Cases
- 10 p.m. ACR Education Center Closes

Day 3

- 7 a.m. Optional Time for Self-Review of Cases
- 8 a.m. Supervised Case Review #8
- 9:45 a.m. Break
- 10 a.m. Supervised Case Review #9
- Noon Lunch
- 12:30 p.m. Supervised Case Review #10
- 3 p.m. Course Concludes

BODY AND PELVIC MR

JANUARY 20–22 | APRIL 13–15 | JULY 20–22 | SEPTEMBER 28–30

ACR Member \$3,500

Earn up to 35 AMA PRA Category 1 Credits™ and 4 SAM Credits

Night Before

6 p.m. Workstation Refresher Session
7:30 p.m. ACR Education Center Closes

Day 1

7 a.m. Registration and Continental Breakfast

8 a.m. **Lecture: Review of Protocol Optimization and Methods**

8:30 a.m. **Lecture: Fundamentals of Interpretation of Liver Disease — Tumors**

9 a.m. Workstation Introduction
9:15 a.m. Supervised Case Review #1

10 a.m. Break

10:15 a.m. Supervised Case Review #2

Noon Lunch

12:30 p.m. **Lecture: Fundamentals of Interpretation of Liver Disease — Diffuse Diseases**

1:30 p.m. Supervised Case Review #3

2:45 p.m. Break

3 p.m. Supervised Case Review #4

5:30 p.m. Cocktail Reception

6 p.m. Optional Time for Self-Review of Cases

10 p.m. ACR Education Center Closes

Day 2

7 a.m. Optional Time for Self-Review of Cases

8 a.m. **Lecture: Pancreatic Disease Review**

10 a.m. Break

10:15 a.m. Supervised Case Review #5

Noon Lunch

12:30 p.m. **Lecture: Kidney Disease Review**

1:30 p.m. Supervised Case Review #6

2:45 p.m. Break

3 p.m. Supervised Case Review #7

4:30 p.m. **Lecture: Gastrointestinal System and Inflammatory Bowel Disease**

5:30 p.m. Break

6 p.m. Optional Time for Self-Review of Cases

10 p.m. ACR Education Center Closes

Day 3

7 a.m. Optional Time for Self-Review of Cases

7:30 a.m. **Lecture: Pelvic Disease Review**

8:30 a.m. Supervised Case Review #8

10 a.m. Break

10:15 a.m. Supervised Case Review #9

Noon Lunch

12:30 p.m. Supervised Case Review #10

2:45 p.m. Break

3 p.m. Supervised Case Review #11

4 p.m. Questions and Answers

5 p.m. Course Concludes



Course Director: Diego Martin, MD, PhD

Course Overview

This is a three-day intensive practical course on abdominal and pelvic MR image interpretation that will be focused on the most common current indications for abdominal and pelvic MR — imaging of the liver, pancreas, pelvis and the kidneys. It is aimed to help a range of radiologists, from the general radiology practitioner to the moderately advanced MRI expert. This course is designed as an extension to the didactic lecture-based annual ACR Body MRI update meeting. In contrast to passive lectures, participants will be provided their own PACS workstation from which actual patient abdominal MRI studies will be viewed. A formalized reporting structure will be used for the attendee to analyze their viewing of the findings. Additionally these findings can be reviewed and discussed with the teaching faculty.

Program Objectives

At the conclusion of this course, participants will be able to:

1. Interpret at least 100 patient cases on a PACS workstation
2. List the protocol expertise for acquiring a comprehensive examination within a 20 minute scan time
3. Describe the rationale for the acquisition methods: which acquisition shows specific aspects of particular pathologies
4. Identify and develop expertise in the diagnostic evaluation of a range of liver tumors and diffuse liver disease; gall bladder and diseases of the bile ducts; pancreatic malignancies and diffuse pancreatic disease; renal malignancies; and abdominal vascular, retroperitoneal, and peritoneal disease; and pathologies of male and female pelvis

Attendees who complete a minimum of 100 cases will be awarded a Certificate of Proficiency stating they meet the Maintenance of Competence case requirement as specified in the ACR Practice Guidelines for the Performance of Magnetic Resonance Imaging (MRI) for the abdomen and liver.

Accreditation Statement: The American College of Radiology (ACR) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

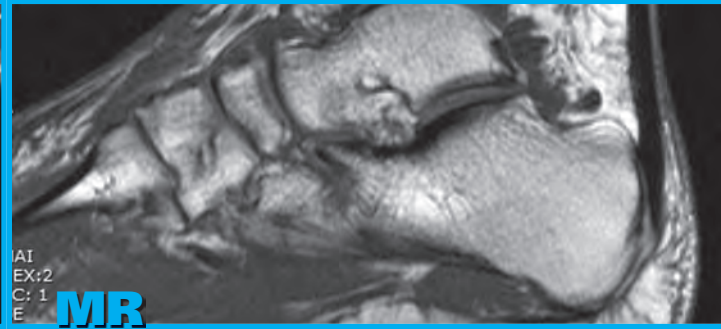
Designation Statement: The American College of Radiology designates this live activity for a maximum of 35 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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MUSCULOSKELETAL MR

FEBRUARY 22–24 | MAY 11–13 | AUGUST 10–12 | NOVEMBER 14–16

ACR Member \$3,500



Course Director: Mark Murphey, MD

Course Overview

This three-day educational course is designed to provide the practicing radiologist an intensive hands-on experience in the technique and the interpretation of MR imaging of the knee, shoulder, ankle/foot and hip. The course is focused toward the non-musculoskeletal trained radiologist responsible for interpretation of these often complex examinations. The attendee will have the opportunity to review and interpret over 100 musculoskeletal MR examinations on a PACS workstation under the supervision of expert faculty. Through participation in multiple scan interpretation sessions, including a detailed review of the key findings, each attendee will develop a higher level of expertise and confidence in evaluating MR of these various joints.

Program Objectives

At the conclusion of this course, participants will be able to:

1. Identify the normal appearances of important anatomic structures on MR imaging of the knee, shoulder, ankle/foot and hip
2. Identify abnormalities involving the menisci, cruciate ligaments, collateral ligaments, extensor mechanism and osteochondral structures on MR imaging of the knee
3. Recognize important MR imaging features of rotator cuff tears, glenoid labral injuries and their clinical implications
4. Detect common abnormalities of frequently injured tendons, ligaments and osteochondral structures on MR imaging of the ankle/foot
5. Recognize important imaging features of avascular necrosis, labral tears, femoroacetabular impingement syndrome and traumatic injuries on MR of the hip

Attendees who complete a minimum of 100 cases will be awarded a Certificate of Proficiency stating they meet the Maintenance of Competence case requirement as specified in the ACR Practice Guidelines for the Performance of Magnetic Resonance Imaging (MRI) for the knee, shoulder, ankle and hindfoot, and hip and pelvis for musculoskeletal disorders.

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Designation Statement: The American College of Radiology designates this live activity for a maximum of 34.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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Earn up to 34.75 AMA PRA Category 1 Credits™ and 4 SAM Credits

Night Before

- 6 p.m. Workstation Refresher Session
- 7:30 p.m. ACR Education Center Closes

Day 1: Knee

- 7 a.m. Registration and Continental Breakfast
- 8 a.m. **Lecture: Menisci**
- 8:45 a.m. Workstation Introduction
- 9 a.m. Supervised Case Review #1
- 10 a.m. Break

10:15 a.m. **Lecture: Cruciate and Collateral Ligaments**

- 10:45 a.m. Supervised Case Review #2
- Noon Lunch

12:30 p.m. **Lecture: Extensor Mechanism and Surrounding Structures**

- 1 p.m. Supervised Case Review #3
- 2:45 p.m. Break

3 p.m. **Lecture: Bone and Cartilage Abnormalities**

- 3:30 p.m. Supervised Case Review #4
- 5:30 p.m. Cocktail Reception
- 6 p.m. Optional Time for Self-Review of Cases
- 10 p.m. ACR Education Center Closes

Day 2: Shoulder

- 7 a.m. Optional Time for Self-Review of Cases

8 a.m. **Lecture: Rotator Cuff**

- 8:45 a.m. Supervised Case Review #5
- 10 a.m. Break
- 10:15 a.m. Supervised Case Review #6

Noon Lunch

12:30 p.m. **Lecture: Glenoid Labrum and Capsule**

- 1:15 p.m. Supervised Case Review #7
- 2:45 p.m. Break
- 3 p.m. Supervised Case Review #8

4:45 p.m. **Lecture: Ankle Tendons and Ligaments**

- 5:30 p.m. Break
- 6 p.m. Optional Time for Self-Review of Cases
- 10 p.m. ACR Education Center Closes

Day 3: Ankle/Foot and Hip

- 7 a.m. Optional Time for Self-Review of Cases

8 a.m. **Lecture: Bone and Cartilage of the Ankle/Foot**

- 8:45 a.m. Supervised Case Review #9
- 10 a.m. Break

10:15 a.m. **Lecture: Avascular Necrosis and Traumatic Injuries of the Hip**

- 10:45 a.m. Supervised Case Review #10
- Noon Lunch

12:30 p.m. **Lecture: FAI and Acetabular Labral Tears**

- 1:15 p.m. Supervised Case Review #11
- 2:45 p.m. Break
- 3 p.m. Supervised Case Review #12
- 5 p.m. Course Concludes

CT COLONOGRAPHY

JANUARY 9–10 | MAY 17–18 | SEPTEMBER 24–25

ACR Member \$3,000

Earn up to 21.5 AMA PRA Category 1 Credits™ and 4 SAM Credits

Night Before

6 p.m. Workstation Refresher Session:
Preview Cases 1–3
7:30 p.m. ACR Education Center Closes

Day 1

7 a.m. Registration and Continental Breakfast
8 a.m. **Lecture: Display Techniques for Virtual Colonoscopy**
Workstation Introduction and Review
Cases 1–3
9 a.m. Workstation Introduction and Review
Cases 1–3
9:45 a.m. Break
10 a.m. Supervised Case Review #1
Noon Lunch
12:30 p.m. Supervised Case Review #2
2:45 p.m. Break
3 p.m. **Lecture: Patient Preparation & Acquisition**
3:30 p.m. Supervised Case Review #3
5:30 p.m. Cocktail Reception
6 p.m. Optional Time for Self-Review of Cases
10 p.m. ACR Education Center Closes

Day 2

7 a.m. Optional Time for Self-Review of Cases
8 a.m. **Lecture: Flat Lesions, Pitfalls and Difficult Case Review**
8:45 a.m. Supervised Case Review #4
9:45 a.m. Break
10 a.m. Supervised Case Review #5
Noon Lunch
12:30 p.m. **Lecture: Virtual Colonoscopy: Getting Started**
1 p.m. Supervised Case Review #6
2:45 p.m. Break
3 p.m. Supervised Case Review #7
5 p.m. Course Concludes

“I’m new to CT colonography, so this was good for me. I liked the instant feedback, whether you’re right or wrong, and how the experts walk around the room and help you along.”



Course Director: Matthew Barish, MD

Course Overview

CT Colonography (CTC) is an evolving technique with considerable potential for widespread screening of colorectal cancer. Application of appropriate techniques and knowledge of correct interpretation skills are vital to successfully implementing this technique. The goal of this two-day course is to educate attendees in the technique, performance and interpretation of CTC through the supervised review of a minimum of 50 cases. The course will also provide a forum for discussing research initiatives, regulatory issues and the reimbursement environment.

Program Objectives

At the conclusion of this course, participants will be able to:

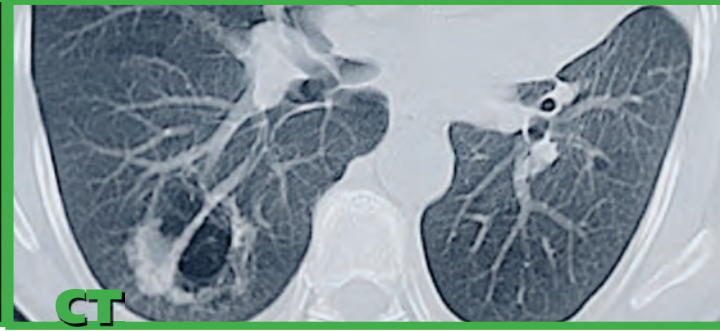
1. Recognize the techniques necessary to acquire diagnostic CTC images, including patient preparation, scanning parameters and display/navigational methods
2. Identify interpretation methods and recognize how to avoid pitfalls
3. State current research initiatives, regulatory issues and reimbursement environment
4. Interpret and report CTC studies through supervised review of a minimum of 50 cases

Attendees who complete a minimum of 50 cases will be awarded a Certificate of Proficiency stating they meet the case requirement as specified in the ACR Practice Guideline for the Performance of Computed Tomography Colonography in Adults.

Accreditation Statement: The American College of Radiology (ACR) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

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**Course Directors: David Naidich, MD
David Lynch, MB, ChB**

Course Overview

This three-day course, led by Course Directors David Naidich, MD, and David Lynch, MB, ChB, is designed to provide practicing radiologists with the skills and understanding necessary to interpret high resolution CT of the chest in diffuse infiltrative lung diseases. During the program, participants will receive lectures on specific aspects of HRCT interspersed with hands-on interpretation of related cases. Faculty will provide direct supervision and assistance. The integration of clinical, radiologic and pathologic information will also be discussed.

Target Audience

General radiologists and or non-thoracic imaging fellowship-trained radiologists that are called upon to interpret HRCT studies in their practice

Program Objectives

At the conclusion of this conference, participants will be able to:

1. State the clinical indications and optimal approach for high resolution imaging of the lung parenchyma
2. Utilize approach to CT differential diagnosis based on pattern and distribution of abnormality
3. Recognize clinical features of the common interstitial lung diseases
4. Describe the importance and mechanism of multidisciplinary consultation in diagnosis of interstitial lung disease

Attendees who complete a minimum of 100 cases will be awarded a Certificate of Proficiency stating they meet the Maintenance of Competence case requirement as specified in the ACR Practice Guidelines for the Performance of High-Resolution Computed Tomography (HRCT) of the Lungs in Adults.

Earn up to 33.25 AMA PRA Category 1 Credits™

Night Before

- 6 p.m. Workstation Refresher Session
- 7:30 p.m. ACR Education Center Closes

Day 1 — Pattern Based Approach

- 7 a.m. Registration and Continental Breakfast
- 8 a.m. **Lecture: Introduction: CT Technique, Anatomy and Dose**
- 8:30 a.m. **Lecture: Nodules**
- 9 a.m. Workstation Introduction
- 9:15 a.m. Supervised Case Review #1
- 10 a.m. Break
- 10:15 a.m. **Lecture: Reticular Opacities**
- 10:45 a.m. **Lecture: Increased Attenuation**
- 11:15 a.m. Supervised Case Review #2
- Noon Lunch
- 12:30 p.m. Supervised Case Review #3
- 2:45 p.m. Break
- 3 p.m. **Lecture: Decreased Attenuation**
- 3:30 p.m. **Lecture: Primary Airways Disease**
- 4 p.m. Supervised Case Review #4
- 5 p.m. **Lecture: Cystic Cavitory**
- 5:30 p.m. Cocktail Reception
- 6 p.m. Optional Time for Self-Review of Cases
- 10 p.m. ACR Education Center Closes

Day 2 — Case Based Approach

- 7 a.m. Optional Time for Self-Review of Cases
- 8 a.m. **Lecture: Nodules**
- 8:30 a.m. **Lecture: Reticular Opacities**
- 9 a.m. Supervised Case Review #5
- 10 a.m. Break
- 10:15 a.m. Supervised Case Review #6
- 11:30 a.m. **Lecture: Increased/Decreased Attenuation**
- Noon Lunch
- 12:30 p.m. Supervised Case Review #7
- 2:45 p.m. Break
- 3 p.m. **Lecture: Primary Airways and Cystic Disease**
- 3:30 p.m. Supervised Case Review #8
- 5:30 p.m. Break
- 6 p.m. Optional Time for Self-Review of Cases
- 10 p.m. ACR Education Center Closes

Day 3 — Rad-Path Correlation

- 7 a.m. Optional Time for Self-Review of Cases
- 8 a.m. **Lecture: Clinical Radiologic-Pathologic Correlation**
- 9 a.m. Panel Cases
- 10 a.m. Break
- 10:15 a.m. Supervised Case Review #9
- Noon Lunch
- 12:30 p.m. Supervised Case Review #10
- 3 p.m. Course Concludes

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ACR-DARTMOUTH PET/CT

APRIL 3–5 | JUNE 18–20 | SEPTEMBER 17–19 | DECEMBER 11–13

ACR Member \$3,500

Earn up to 34 AMA PRA Category 1 Credits™ and 4 SAM Credits

Night Before

6 p.m. Workstation Refresher Session
7:30 p.m. ACR Education Center Closes

Day 1

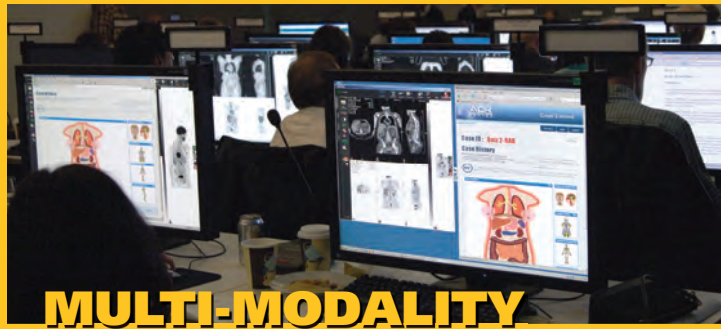
7 a.m. Registration and Continental Breakfast
8 a.m. **Lecture: Review of PET/CT Applications**
8:30 a.m. **Lecture: Fundamentals of PET/CT Acquisition and Interpretation**
9 a.m. Workstation Introduction
9:15 a.m. Supervised Case Review #1
10 a.m. Break
10:15 a.m. Supervised Case Review #2
Noon Lunch
12:30 p.m. **Lecture: Normal Variants, Incidental Findings, & Pitfalls on PET/CT**
1:30 p.m. Supervised Case Review #3
2:45 p.m. Break
3 p.m. Supervised Case Review #4
5 p.m. **Lecture: Lung Nodule Evaluation**
5:30 p.m. Cocktail Reception
6 p.m. Optional Time for Self-Review of Cases
10 p.m. ACR Education Center Closes

Day 2

7 a.m. Optional Time for Self-Review of Cases
8 a.m. Supervised Case Review #5
10 a.m. Break
10:15 a.m. Supervised Case Review #6
Noon Lunch
12:30 p.m. **Lecture: SUV Measurement, Monitoring Response to Therapy**
1:30 p.m. Supervised Case Review #7
2:45 p.m. Break
3 p.m. Supervised Case Review #8
5 p.m. **Lecture: Challenging Cases**
5:30 p.m. Break
6 p.m. Optional Time for Self-Review of Cases
10 p.m. ACR Education Center Closes

Day 3

7 a.m. Optional Time for Self-Review of Cases
8 a.m. Supervised Case Review #9
10 a.m. Break
10:15 a.m. Supervised Case Review #10
Noon Lunch
12:30 p.m. **Lecture: Dementia Evaluation**
1 p.m. Supervised Case Review #11
2:45 p.m. Break
3 p.m. Faculty Panel Discussion and Course Review
4 p.m. Course Concludes



Course Director: Marc Seltzer, MD

Course Overview

PET/CT has become the standard-of-care imaging modality in cancer management and has garnered an evolving role in diagnosing neurodegenerative and oncologic disease. This 150-case, three-day preceptorship is designed to provide practicing radiologists and nuclear medicine physicians with an intensive, hands-on experience in reading PET/CT.

Attendees will interpret more than 150 oncologic PET/CT scans. Each multiple-scan interpretation session concludes with a detailed review of the key findings. Through these sessions, the attendee will develop a higher level of expertise and confidence in interpreting PET/CT.

If you have already completed some formal course work in PET and/or PET/CT but only have limited experience reading scans in daily clinical practice, this course is for you.

Program Objectives

At the conclusion of this course, participants will be able to:

1. Identify and discuss the clinical applications of PET/CT
2. Describe a systematic approach to interpreting PET/CT
3. Recognize normal variants, incidental findings and pitfalls on PET/CT
4. Interpret PET/CT for a wide range of oncologic indications including assisting in diagnosis, staging, restaging and monitoring response to therapy in a variety of cancer types.

Attendees who interpret a minimum of 150 PET/CT scans will be awarded a Certificate of Proficiency stating they meet the case requirement as specified in the ACR Practice Guideline for the Performance of PET and CT in Adults.

Accreditation Statement: The American College of Radiology (ACR) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

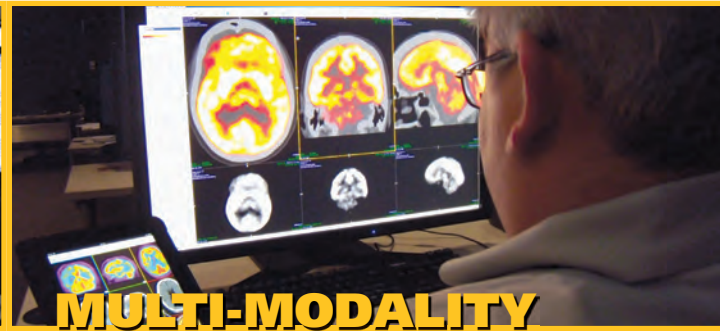
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NEURORADIOLOGY

MARCH 7–9 | JUNE 7–9 | SEPTEMBER 12–14

ACR Member \$3,500



Course Director: David Yousem, MD, MBA

Course Overview

This three-day neuroradiology course, led by neuroradiologist and noted author, David Yousem, includes the four domains of neuroradiology in brain, spine, head and neck, and pediatric neuroimaging. The material will be nearly exclusively centered on CT and MR imaging with advanced application techniques. General disease categories of vascular, inflammatory, demyelinating, traumatic, degenerative, neoplastic, congenital and metabolic diseases of the CNS and the head and neck in adults and children will be covered with case material. Four 30-minute lectures each day will introduce common themes for differential diagnoses and lay the groundwork for extensive time devoted to reviewing a library of cases ranging in difficulty and disease type. Attendees can personalize their course by selecting more cases from one subspecialty area than another to remedy perceived weaknesses.

Program Objectives

1. Provide limited relevant differential diagnoses for masses in different regions of the brain, spine, and head and neck
2. Prioritize imaging studies and provide pertinent imaging features that will guide therapy in patients with strokes or other vascular lesions of the brain or spine
3. Correctly utilize the terms accepted by the American Society of Neuroradiology for describing degenerative spondylotic disease of the cervical and lumbar spine
4. List imaging features that help clinicians provide accurate TNM staging of head and neck cancers
5. Differentiate among the many causes of sensorineural and conductive hearing loss through neuroimaging
6. List features that distinguish the various cysts of the head and neck

Attendees who complete a minimum of 100 cases will receive a Certificate of Completion in Neuroradiology.

Accreditation Statement: The American College of Radiology (ACR) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Designation Statement: The American College of Radiology designates this live activity for a maximum of 35 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Earn up to 35 AMA PRA Category 1 Credits™

Night Before

- 6 p.m. Workstation Refresher Session
- 7:30 p.m. ACR Education Center Closes

Day 1: Brain

- 7 a.m. Registration and Continental Breakfast
- 8 a.m. Lecture: Brain Neoplasms
- 8:30 a.m. Lecture: Brain White Matter Disease
- 9 a.m. Workstation Function and Case Review Introduction
- 9:15 a.m. Supervised Brain Case Review #1
- 10 a.m. Break
- 10:15 a.m. Supervised Brain Case Review #2
- Noon Lunch
- 12:30 p.m. Lecture: Brain Trauma
- 1 p.m. Lecture: Neurovascular
- 1:30 p.m. Supervised Brain Case Review #3
- 2:45 p.m. Break
- 3 p.m. Lecture: Congenital Brain Lesions
- 3:30 p.m. Supervised Brain Case Review #4
- 5 p.m. Questions and Answers
- 5:30 p.m. Cocktail Reception
- 6 p.m. Optional Time for Self-Review of Cases
- 10 p.m. ACR Education Center Closes

Day 2: Head and Neck

- 7 a.m. Optional Time for Self-Review of Cases
- 8 a.m. Lecture: Head and Neck Squamous Cell Carcinoma Overview — AJCC Staging
- 8:30 a.m. Lecture: Temporal Bone Overview
- 9 a.m. Supervised Head & Neck Case Review #1
- 10 a.m. Break
- 10:15 a.m. Supervised Head & Neck Case Review #2
- Noon Lunch
- 12:30 p.m. Lecture: Sinonasal Imaging
- 1 p.m. Lecture: Nodal Disease
- 1:30 p.m. Supervised Head & Neck Case Review #3
- 2:45 p.m. Break
- 3 p.m. Lecture: Cysts in the Head and Neck
- 5 p.m. Questions and Answers
- 5:30 p.m. Break
- 6 p.m. Optional Time for Self-Review of Cases
- 10 p.m. ACR Education Center Closes

Day 3: Spine

- 7 a.m. Optional Time for Self-Review of Cases
- 8 a.m. Lecture: DJD Nomenclature
- 8:30 a.m. Lecture: Extradural non-DJD Spine Disease
- 9 a.m. Supervised Spine Case Review #1
- 10 a.m. Break
- 10:15 a.m. Supervised Spine Case Review #2
- Noon Lunch
- 12:30 p.m. Lecture: Intradural Extramedullary Disease
- 1 p.m. Lecture: Intradural Intramedullary Disease
- 1:30 p.m. Supervised Spine Case Review #3
- 2:45 p.m. Break
- 3 p.m. Supervised Spine Case Review #4
- 4 p.m. Questions and Answers
- 5 p.m. Course Concludes

Night Before

- 6 p.m. Workstation Refresher Session
- 7:30 p.m. ACR Education Center Closes

DAY 1

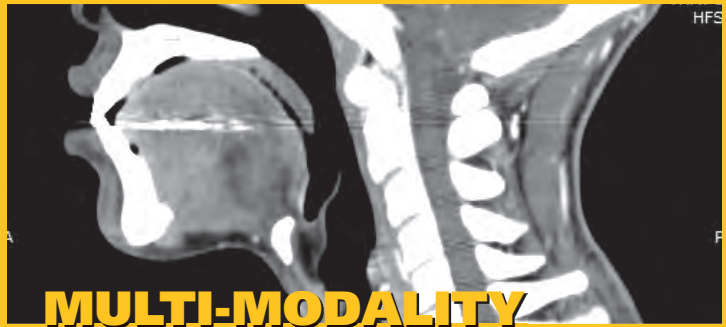
- 7 a.m. Registration and Continental Breakfast
Lecture: AJCC Classification of TNM Staging of Squamous Cell Carcinoma of the Head and Neck
- 8 a.m.
- 8:30 a.m. **Lecture: Nasopharynx and Skull Base**
- 9 a.m. Workstation and Case Review Introduction
- 9:15 a.m. Supervised Case Review #1
- 10 a.m. Break
- 10:15 a.m. Supervised Case Review #2
- 11:30 a.m. **Lecture: Oral Cavity and Oropharynx**
- Noon Lunch
- 12:30 p.m. **Lecture: Larynx and Hypopharynx**
- 1 p.m. Supervised Case Review #3
- 2:45 p.m. Break
- 3 p.m. **Lecture: Thyroid and Parathyroid**
- 3:30 p.m. **Lecture: PET/CT of the Head and Neck**
- 4 p.m. Supervised Case Review #4
- 5 p.m. Questions and Answers
- 5:30 p.m. Cocktail Reception
- 6 p.m. Optional Time for Self-Review of Cases
- 10 p.m. ACR Education Center Closes

DAY 2

- 7 a.m. Optional Time for Self-Review of Cases
- 8 a.m. **Lecture: Lymphadenopathy**
- 8:30 a.m. **Lecture: Temporal Bone 1: External and Middle Ear**
- 9 a.m. Supervised Case Review #5
- 10 a.m. Break
- 10:15 a.m. Supervised Case Review #6
- 11:30 a.m. **Lecture: Temporal Bone 2: Inner Ear and Petrous Apex**
- Noon Lunch
- 12:30 p.m. **Lecture: Odontogenic Lesions**
- 1 p.m. Supervised Case Review #7
- 2:45 p.m. Break
- 3 p.m. **Lecture: Suprahyoid Spaces**
- 3:30 p.m. **Lecture: Orbits**
- 4 p.m. Supervised Case Review #8
- 5 p.m. Questions and Answers
- 5:30 p.m. Break
- 6 p.m. Optional Time for Self-Review of Cases
- 10 p.m. ACR Education Center Closes

DAY 3

- 7 a.m. Optional Time for Self-Review of Cases
- 8 a.m. **Lecture: Sinonasal Cavity**
- 8:30 a.m. **Lecture: Cysts of the Head and Neck**
- 9 a.m. Supervised Case Review #9
- 10 a.m. Break
- 10:15 a.m. Supervised Case Review #10
- 11:30 a.m. **Lecture: Salivary Glands**
- Noon Lunch
- 12:30 p.m. **Lecture: Brachial Plexus**
- 1 p.m. Supervised Case Review #11
- 2:45 p.m. Break
- 3 p.m. Supervised Case Review #12
- 5 p.m. Course Concludes



Course Director: David M. Yousem, MD, MBA

Course Overview

What part of the body engenders more fear in a radiologist than the head and neck? Your concerns will be eliminated by this special offer course taught by giants in the field of head and neck radiology.

This three-day Head and Neck Neuroradiology Course, conducted by Course Director Dave Yousem, MD, MBA, will address all the difficult anatomy and pathology of the head and neck. The material will include predominantly CT and MR imaging with advanced application techniques also applied to ultrasound and PET/CT. Emphasis will be placed on the TNM staging of cancers of the aerodigestive system, the intricate anatomy of the sinonasal cavity, lesions that arise from and cross the skull base, and deep space tumors of the neck. Plus discover the most common sources of anxiety: lesions of the temporal bone, the brachial plexus and the teeth.

Attendees will learn the appropriate work-up of incidental thyroid nodules, enlarged lymph nodes and cysts in the head and neck. This is the definitive course that will shore up a weak area in nearly every radiologist's repertoire. Sixteen 30-minute lectures will create the foundation for reviewing over 180 head and neck cases during this 3-day seminar.

Return home the superstar of neuroradiology of head and neck imaging.

Program Objectives

1. Improve reporting of head and neck cancer imaging studies through familiarity with the AJCC TNM staging system
2. Provide a concise differential diagnosis of red and white retrotympenic middle ear masses
3. Describe sinonasal and osteomeatal complex inflammatory disease in a way that assists the endoscopic sinus surgeon and highlights potential and existent complications
4. Describe the role of ultrasound, fine needle aspiration, and PET/CT in the work-up and follow-up of masses in the neck
5. Locate an extramucosal mass in the head and neck in a fascia-lined space and provide a limited differential diagnosis for lesions in that space
6. Differentiate among the common cysts and solid masses arising from the teeth

Attendees who interpret a minimum of 100 cases will be awarded a Certificate of Completion in Neuroradiology of the Head and Neck.



Course Directors: Jorge Soto, MD
O. Clark West, MD, FACR
Aaron Sodickson, MD, PhD

Course Overview

This three day educational course is designed to provide the practicing radiologist an intensive hands-on experience in interpretation of imaging of traumatic and non-traumatic emergencies. Pertinent concepts of imaging technique will be reviewed and will motivate the case-based learning process.

The attendee will have the opportunity to review over 300 emergent examinations covering all organ systems and modalities commonly encountered in the emergency radiology setting. Through participation in multiple interpretation sessions under the supervision of expert faculty, the participant will develop a higher level of expertise and confidence in emergent imaging. Formal lectures will cover the core concepts, organized by organ system.

Program Objectives

1. Develop a systematic search pattern for evaluating MDCT examinations of the multiple trauma patient
2. Recognize common and significant injuries in trauma
3. Familiarize with potential sources of missed diagnoses and interpretation pitfalls in MDCT of trauma
4. Understand basic technical principles for proper acquisition of CT images in the emergency patient (trauma and non-trauma)
5. Learn characteristic appearance of various causes of acute abdominal, chest and pelvic emergencies on plain radiography, CT, and US
6. Learn fundamental imaging aspects of non-traumatic neurological and head and neck emergencies
7. Review common and uncommon fractures of the upper extremities, lower extremities, pelvis and spine with emphasis on the easily-missed fracture.

Attendees who complete a minimum of 150 cases will be awarded a Certificate of Completion in Emergency Radiology.

Night Before

- 6:00 p.m. Workstation Refresher Session
- 7:30 p.m. ACR Education Center Closes

Day 1

- 7:00 a.m. Registration and Continental Breakfast
- 8:00 a.m. **Lecture: Imaging Abdominal Trauma**
- 9:00 a.m. Workstation Introduction
- 9:15 a.m. Supervised Case Review #1
- 10:00 a.m. Break
- 10:15 a.m. Supervised Case Review #2
- Noon Lunch
- 12:30 p.m. **Lecture: Imaging Non-Traumatic Abdominal Pain**
- 1:30 p.m. Supervised Case Review #3
- 2:45 p.m. Break
- 3 p.m. Supervised Case Review #4
- 5:30 p.m. Cocktail Reception
- 6 p.m. Optional Time for Self-Review of Cases
- 10 p.m. ACR Education Center Closes

Day 2

- 7 a.m. Optional Time for Self-Review of Cases
- 8 a.m. Supervised Case Review #5
- 10 a.m. Break
- 10:15 a.m. Supervised Case Review #6
- Noon Lunch
- 12:30 p.m. **Lecture: Strategies for Reducing Radiation Exposure in the ED**
- 1 p.m. **Lecture: Imaging Chest Emergencies**
- 1:30 p.m. Supervised Case Review #7
- 2:45 p.m. Break
- 3 p.m. Supervised Case Review #8
- 4:30 p.m. **Lecture: Imaging Neurological Emergencies**
- 5:30 p.m. Break
- 6 p.m. Optional Time for Self-Review of Cases
- 10 p.m. ACR Education Center Closes

Day 3

- 7 a.m. Optional Time for Self-Review of Cases
- 8 a.m. **Lecture: Imaging Extremity and Pelvic Fractures**
- 9 a.m. Supervised Case Review #9
- 10 a.m. Break
- 10:15 a.m. Supervised Case Review #10
- Noon Lunch
- 12:30 p.m. **Lecture: Imaging Spine Fractures**
- 1 p.m. Supervised Case Review #11
- 2:45 p.m. Break
- 3 p.m. Supervised Case Review #12
- 4 p.m. Questions and Answers
- 5 p.m. Course Concludes

ACR EDUCATION CENTER FACULTY*



Body and Pelvic MR

Diego Martin, MD, PhD

Chief of Radiology, University of Arizona
Bobby Kalb, MD
University of Arizona



Neuroradiology — Head and Neck

David Yousem, MD, MBA

Director of Neuroradiology, Johns Hopkins Medical Institution
Laurie Loevner, MD
University of Pennsylvania
Jenny Hoang, MD
Duke University



Breast Imaging Boot Camp

Gillian Newstead, MD, FACP

Section Chief Breast Imaging
University of Chicago
Christopher Comstock, MD,
Memorial Sloan Kettering Cancer Center
Michael Linver, MD, FACP
X-Ray Associates of New Mexico, P.C.
Robert Schmidt, MD
University of Chicago



Musculoskeletal MR

Mark Murphey, MD

Physician-in-Chief, American Institute for Radiologic Pathology
Additional faculty from University of Toronto, University of Wisconsin and Thomas Jefferson University Hospital



Breast MR With Guided Biopsy

Constance Lehman, MD, PhD, FACP
Professor and Vice Chair of Radiology,
Director of Breast Imaging, University of Washington School of Medicine, Director of Radiology, Seattle Cancer Care Alliance

Debra Ikeda, MD
Stanford University
Elizabeth Morris, MD, FACP
Memorial Sloan Kettering Cancer Center



ACR-Dartmouth PET/CT

Marc Seltzer, MD

Director, PET/CT Program, Dartmouth Hitchcock Medical Center
Sundeep Nayak, MD
UCSF School of Medicine
Terry Wong, MD
Duke University
Don Yoo, MD
Brown University



Coronary CT Angiography

Joe Hsu, MD

Director of Cardiac CT and MR, Kaiser Permanente, Los Angeles Medical Center



ACR-SPR Pediatric Cardiac MR

Cynthia Rigsby, MD

Children's Memorial Hospital, Chicago,
Associate Professor of Radiology, Northwestern University Feinberg School of Medicine



Amar Shah, MD

Director of Cardiac and Vascular CT and MR,
New York Medical College
Shawn Teague, MD
Indiana University School of Medicine
Prachi Agarwal, MD
University of Michigan



Cardiac and Peripheral Vascular MR

Ricardo Cury, MD

Chairman and CEO, Radiology Associates of South Florida



CT Colonography

Matthew Barish, MD

Director, International Symposia on Virtual Colonoscopy, Co-Director, Body and Imaging and Director, MRI, SUNY Stony Brook
Todd Fibus, MD
Atlanta VA Medical Center
Mark Klein, MD
Washington Radiology Associates



HRCT

David Naidich, MD

New York University — Langone Medical Center
David Lynch, MB, ChB
National Jewish Hospital, Denver, CO



Neuroradiology

David Yousem, MD, MBA

Director of Neuroradiology, Johns Hopkins Medical Institution



Weekend in the ED

Jorge Soto, MD

Boston Medical Center
O. Clark West, MD, FACP
The University of Texas Health Science at Houston Medical School
Aaron Sodickson, MD, PhD
Brigham and Women's Hospital



*Listed faculty may not be present at every session.

HOTEL AND TRAVEL INFORMATION

Westin Reston Heights

11750 Sunrise Valley Drive
Reston, VA 20191

703-391-9000 | 1-800-937-8461

www.westin.com/restonheights

\$129 single/double plus applicable taxes

Reservation deadline: 14 days prior to each course. For reservations, call 703-391-9000 or 1-800-937-8461 and request the "ACR" rate*. Rooms are available at the rates listed on a first-come, first-served basis.

- Free daily shuttle bus service will be provided between the Westin Reston Heights and the ACR Education Center for all registrants
- Meals and refreshments are provided at the ACR Education Center throughout the duration of each course
- Reservations made fewer than 14 days prior to each course will be accepted on a space-available basis and may not be at the ACR group rate
- All reservations must be guaranteed by a major credit card or check for the first night's deposit
- If you wish to cancel your reservation, please notify the hotel at least 24 hours before arrival



Airline Reservations

Please contact Frosch Travel for all airline arrangements. A travel agency fee will apply to all reservations. Reservations may be made by contacting Frosch Travel from 9 a.m. – 6 p.m. ET.

acrsurveyors@frosch.com or
call 1-800-365-6558

Ground Transportation Information

The hotel is located approximately 10 minutes from Dulles International Airport (IAD). Taxi fare from Dulles is approximately \$20. Ronald Reagan National Airport (DCA) is approximately 40 minutes from the hotel. Taxi fare from Reagan National is \$50 to \$60 each way.

Free daily shuttle bus service will be provided between the hotel and the ACR Education Center for all registrants.

Free continental breakfast and lunch is included.

Local Attractions

The Westin Reston Heights provides shuttle service to the nearby Reston Town Center. The Town Center features famous name and specialty stores, including Williams-Sonoma, Pottery Barn, Talbots, Appalachian Spring, Banana Republic and many more. Dining choices include Morton's, McCormick & Schmick's, Clyde's, Il Fornaio, Big Bowl and many others. For more information about the Reston Town Center, visit www.restontowncenter.com. To read more about local and regional Northern Virginia attractions, including the National Air and Space Museum Udvar-Hazy Center, visit www.visitfairfax.org.

ACR Education Center Registration Form

Registrant Name _____
Last First MI Degree

Institution Name _____

Street Address Home Business _____
CME letters will be mailed to the address provided.

City _____ State or Province _____ ZIP Code _____ Country (if not US) _____

Daytime Phone _____ Home Phone _____ Fax _____

Primary Email Home Business _____
Confirmation and course correspondence will be sent to the email address provided.

Last four digits of SSN* _____ or Date of Birth ____/____/____

*Social Security Number is used to uniquely identify you in our database.

Preferred Name on Badge _____

Upon successful completion of the case requirements, attendees will receive an ACR certificate for use in credentialing.

Course preparation material is available at acr.org/edcenter. Registration is required.

Payment (Registration forms will not be processed without payment.)

Four Easy Ways to Register

Online: www.acr.org/edcenter

By Phone: 1-800-373-2204

By Fax: 703-648-1863
(Credit card payment only)

By Mail: American College of Radiology
Attn: Meetings Registration
1891 Preston White Drive
Reston, VA 20191-4326
(Include either a check payable to the ACR or credit card payment information.)

Form of Payment

TOTAL DUE: _____ PROMO CODE: _____

Check payable to the ACR

Credit Card

American Express

MasterCard

Visa

Credit Card No. _____

Expiration Date (mm/yy) _____

Cardholder's Signature _____

Cancellation Policy

Full refunds, less a \$500 administrative fee, will ONLY be granted in response to written notification of cancellation received 48 hours prior to the course. No refund of any amount will be made for "no-shows" or cancellations made less than 48 hours prior to the course.

Course Transfer Policy

Transfers are permitted, however, a \$250 administrative fee will be assessed for transfers of any kind made up to two weeks prior to the course. Transfers made less than two weeks prior to the course will be assessed a \$500 administrative fee.

Free daily shuttle bus service will be provided between the Westin Reston Heights and the ACR Education Center for all registrants. Breakfast and lunch are included in the registration fee.

Attendees with Special Needs: All special meal requests including vegetarian and kosher must be made at the time of your reservation.

Americans with Disabilities Act: The ACR encourages all people to participate. Individuals requiring auxiliary aids or services identified in the Americans with Disabilities Act should contact Pamela Mechler at 1-800-227-5463, ext. 4545, or pmechler@acr.org.

To inquire about your registration, please call 1-800-373-2204. Allow two weeks for receipt of confirmation.

Select Course:	Membership Category:	Vendor (choose one)*:
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Body and Pelvic MR	<input type="checkbox"/> ACR Member: \$3,500	Attendees will be assigned a PACS workstation
<input type="checkbox"/> January 20-22 <input type="checkbox"/> July 20-22	<input type="checkbox"/> Member-in-Training: \$1,750**	
<input type="checkbox"/> April 13-15 <input type="checkbox"/> September 28-30	<input type="checkbox"/> Nonmember: \$5,000	

Breast Imaging Boot Camp	<input type="checkbox"/> ACR Member: \$3,500	Attendees will be assigned a PACS workstation
<input type="checkbox"/> February 2-4 <input type="checkbox"/> August 1-3	<input type="checkbox"/> Member-in-Training \$1,750**	
<input type="checkbox"/> April 26-28 <input type="checkbox"/> October 11-13	<input type="checkbox"/> Nonmember: \$5,000	

Breast MR With Guided Biopsy	<input type="checkbox"/> ACR Member: \$3,000	<input type="checkbox"/> Merge Healthcare/CADStream
<input type="checkbox"/> February 7-8 <input type="checkbox"/> August 7-8	<input type="checkbox"/> Member-in-Training: \$1,500**	<input type="checkbox"/> Invivo/DynaCAD
<input type="checkbox"/> May 21-22 <input type="checkbox"/> November 1-2	<input type="checkbox"/> Nonmember: \$4,500	<input type="checkbox"/> Sentinelle Medical/AEGIS
<input type="checkbox"/> June 26-27	In Seattle, WA	

Cardiac and Peripheral Vascular MR	<input type="checkbox"/> ACR Member: \$3,250	Attendees will be assigned a PACS workstation
<input type="checkbox"/> March 2-4 <input type="checkbox"/> October 19-21	<input type="checkbox"/> Member-in-Training: \$1,625**	
<input type="checkbox"/> June 1-3	<input type="checkbox"/> Nonmember: \$4,750	

Coronary CT Angiography	<input type="checkbox"/> ACR Member: \$3,250	<input type="checkbox"/> Philips	<input type="checkbox"/> GE
<input type="checkbox"/> March 16-18 <input type="checkbox"/> November 9-11	<input type="checkbox"/> Member-in-Training: \$1,625**	<input type="checkbox"/> TeraRecon	<input type="checkbox"/> Siemens
<input type="checkbox"/> July 13-15	<input type="checkbox"/> Nonmember: \$4,750	<input type="checkbox"/> Vital Images	

CT Colonography	<input type="checkbox"/> ACR Member: \$3,000	<input type="checkbox"/> Philips	<input type="checkbox"/> GE
<input type="checkbox"/> January 9-10 <input type="checkbox"/> September 24-25	<input type="checkbox"/> Member-in-Training: \$1,500**	<input type="checkbox"/> TeraRecon	<input type="checkbox"/> Siemens
<input type="checkbox"/> May 17-18	<input type="checkbox"/> Nonmember: \$4,500	<input type="checkbox"/> Viatronix	<input type="checkbox"/> Vital Images

HRCT	<input type="checkbox"/> ACR Member: \$3,500	Attendees will be assigned a PACS workstation
<input type="checkbox"/> April 20-22 <input type="checkbox"/> October 5-7	<input type="checkbox"/> Member-in-Training \$1,750**	
<input type="checkbox"/> July 25-27	<input type="checkbox"/> Nonmember: \$5,000	

Musculoskeletal MR	<input type="checkbox"/> ACR Member: \$3,500	Attendees will be assigned a PACS workstation
<input type="checkbox"/> February 22-24 <input type="checkbox"/> August 10-12	<input type="checkbox"/> Member-in-Training \$1,750**	
<input type="checkbox"/> May 11-13 <input type="checkbox"/> November 14-16	<input type="checkbox"/> Nonmember: \$5,000	

Neuroradiology	<input type="checkbox"/> ACR Member: \$3,500	Attendees will be assigned a PACS workstation
<input type="checkbox"/> March 7-9 <input type="checkbox"/> September 12-14	<input type="checkbox"/> Member-in-Training: \$1,750	
<input type="checkbox"/> June 7-9	<input type="checkbox"/> Nonmember: \$5,000	

Neuroradiology – Head and Neck	<input type="checkbox"/> ACR Member: \$3,500	Attendees will be assigned a PACS workstation
<input type="checkbox"/> December 7-9	<input type="checkbox"/> Member-in-Training: \$1,750	
	<input type="checkbox"/> Nonmember: \$5,000	

ACR-Dartmouth PET/CT	<input type="checkbox"/> ACR Member: \$3,500	<input type="checkbox"/> MIMvista	<input type="checkbox"/> Philips
<input type="checkbox"/> April 3-5 <input type="checkbox"/> September 17-19	<input type="checkbox"/> Member-in-Training: \$1,750**	<input type="checkbox"/> Siemens	<input type="checkbox"/> TeraRecon
<input type="checkbox"/> June 18-20 <input type="checkbox"/> December 11-13	<input type="checkbox"/> Nonmember: \$5,000	<input type="checkbox"/> GE	<input type="checkbox"/> Vital Images/Mirada

Weekend in the ED	<input type="checkbox"/> ACR Member: \$3,500	Attendees will be assigned a PACS workstation
<input type="checkbox"/> June 13-15 <input type="checkbox"/> October 24-26	<input type="checkbox"/> Member-in-Training \$1,750**	
<input type="checkbox"/> August 22-24	<input type="checkbox"/> Nonmember: \$5,000	

I would like to attend the workstation refresher session the night before the course begins (6–7:30 p.m.)

Download this registration form at acr.org/edcenter

Early registrations received more than three months before the course are entitled to a \$250 discount (Members-in-Training: \$125 discount).	Late registrations received within two weeks of the course will be charged an additional \$500 (Members-in-Training: additional \$250).
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**Registration deadline is 48 business hours prior to the course.
NO ON-SITE REGISTRATION will be accepted for these courses.**

* Vendor workstation subject to availability. ** Member-in-Training rates subject to availability.

ACR Education Center 2012 SCHEDULE

- Breast Imaging Boot Camp
- Breast MR With Guided Biopsy
- Coronary CT Angiography
- Cardiac and Peripheral Vascular MR
- Musculoskeletal MR
- Body and Pelvic MR
- CT Colonography
- HRCT
- ACR-Dartmouth PET/CT
- Neuroradiology
- Neuroradiology – Head and Neck
- Weekend in the ED

February 2 — 4	April 26 — 28	August 1 — 3	October 11 — 13
February 7 — 8	May 21 — 22	August 7 — 8	November 1 — 2
March 16 — 18	July 13 — 15	November 9 — 11	
March 2 — 4	June 1 — 3	October 19 — 21	
February 22 — 24	May 11 — 13	August 10 — 12	November 14 — 16
January 20 — 22	April 13 — 15	July 20 — 22	September 28 — 30
January 9 — 10	May 17 — 18	September 24 — 25	
April 20 — 22	July 25 — 27	October 5 — 7	
April 3 — 5	June 18 — 20	September 17 — 19	December 11 — 13
March 7 — 9	June 7 — 9	September 12 — 14	
December 7 — 9			
June 13 — 15	August 22 — 24	October 24 — 26	