

A CME Teaching Activity

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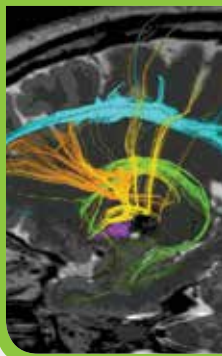
2015 Magnetic Resonance Imaging:

National Symposium

Including 2.25 MR Safety Credits

Designated for SA-CME

MRI of the
Head & Spine
13.0 Hours



Musculoskeletal
MRI
6.0 Hours



MRI of the
Body & Heart
6.0 Hours



25.0 AMA PRA Category 1 Credit(s)TM

Release Date: September 15, 2015

ES Educational
Symposia

About This CME Teaching Activity

This CME series provides a practical teaching course for those who order, perform or interpret magnetic resonance imaging studies. The program is organized in such a way to allow subscribers to purchase all or a subsection of the program. Three focused segments provide a comprehensive yet practical review and update on the clinical applications of MRI. The series begins by focusing on the head and spine, moves into the musculoskeletal system and concludes with cardiovascular and body applications. Also included are focused lectures on MR safety updates.

Target Audience

This CME activity is designed to educate diagnostic imaging physicians who supervise and interpret MRI/MRA studies. It should also be useful for referring physicians who order these studies so that they might gain a greater appreciation of the strengths and limitations of clinically relevant MRI exams.

Scientific Sponsor

Educational Symposia

Accreditation

Physicians: Educational Symposia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Educational Symposia designates this enduring material for a maximum of 25.0 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

SA-CME: Credits awarded for this enduring activity are designated “SA-CME” by the American Board of Radiology (ABR) and qualify toward fulfilling requirements for Maintenance of Certification (MOC) Part II: Lifelong Learning and Self-assessment.

All activity participants are required to pass a written or online test with a minimum score of 70% in order to be awarded credit. (Exam materials, if ordered, will be sent with your order.) All course participants will also have the opportunity to critically evaluate the program as it relates to practice relevance and educational objectives.

AMA PRA Category 1 Credit(s)[™] for this activity may be claimed until September 14, 2018.

This CME activity was planned and produced by Educational Symposia,
a leader in continuing medical education since 1975.

This activity was planned and produced in accordance with the ACCME Essential Areas and Elements.

Educational Objectives

At the completion of this CME teaching activity, you should be able to:

- Discuss the expanding role of MR in medical imaging.
- Optimize MRI protocols and techniques.
- Utilize MRI to evaluate neurological, musculoskeletal, body and breast pathology.
- Review MRI safety updates.

No special educational preparation is required for this CME activity.

Faculty

Susan M. Ascher, M.D.

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Washington, DC*

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Section Head, Division of Breast Imaging
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*Associate Professor
Chief, Neuroradiology Imaging Section
Department of Radiology
University of Alabama Birmingham
Birmingham, AL*

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*Associate Professor of MSK Radiology and
Orthopedic Surgery
MSK Division Chief
UTSW, Dallas, TX
Adjunct Professor
John Hopkins University School of Medicine
and Russell H. Morgan
Department of Radiology & Radiological Science
Baltimore, MD*

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Feinberg School of Medicine, Northwestern University
Chairman of Radiology
NorthShore University HealthSystem
Evanston, IL*

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*Professor of Radiology
Cleveland Clinic Lerner College of Medicine of
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Imaging, and Heart & Vascular Institutes
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Columbia, MD*

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*Professor, Department of Diagnostic Radiology
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Houston, TX*

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*Director MRI, CT and Outpatient/Advanced
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Mount Sinai School of Medicine
New York, NY*

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*Voxel Imaging, Inc.
Associate Clinical Professor of Radiology
University of Southern California, Keck School of
Medicine
Los Angeles, CA*

Adam C. Zoga, M.D.

*Associate Professor of Radiology
Vice Chair for Clinical Practice
Director of Musculoskeletal MRI
Thomas Jefferson University Hospital
Philadelphia, PA*

Entire Program

MRI OF THE HEAD AND SPINE • SUBSET 1-6

SESSION 1

New MR Techniques

Lawrence N. Tanenbaum, M.D., FACR

White Matter Diseases

Jeffrey S. Ross, M.D.

Advanced Imaging of CNS Neoplasms:
Characterization and Surveillance

Lawrence N. Tanenbaum, M.D., FACR

SESSION 2

Advanced Imaging of CNS Neoplasms:
BOLD And DTI for Surgical Planning

Lawrence N. Tanenbaum, M.D., FACR

Neuroimaging of the Central Skull Base:
Anatomy and Pathology

Philip R. Chapman, M.D.

Susceptibility: Friend or Foe

Lawrence N. Tanenbaum, M.D., FACR

Neuroimaging of the CPA, Internal
Auditory Canal and Inner Ear

Philip R. Chapman, M.D.

SESSION 3

Safety Update I: NSF - What has
Changed, What has Not

Emanuel Kanal, M.D., FACR, FISMRRM

Diffusion Imaging of the Spine

Lawrence N. Tanenbaum, M.D., FACR

Safety Update II: Beyond NSF

Emanuel Kanal, M.D., FACR, FISMRRM

SESSION 4

Brachial Plexus Imaging

Philip R. Chapman, M.D.

The Medicolegal Aspects of Magnetic
Resonance Safety

Emanuel Kanal, M.D., FACR, FISMRRM

Neuroimaging of Perineural
Tumor Spread

Philip R. Chapman, M.D.

SESSION 5

Spine Marrow Disease

Jeffrey S. Ross, M.D.

How to Evaluate and Treat a Patient
with Low Back Pain

Alyssa T. Watanabe, M.D.

Degenerative Disc Disease,
Pathophysiology and Nomenclature

Jeffrey S. Ross, M.D.

SESSION 6

Spinal Implants and Post-operative
Changes

Alyssa T. Watanabe, M.D.

Spine Trauma

Jeffrey S. Ross, M.D.

MRI of the Spinal Cord and
Peripheral Nerves

Alyssa T. Watanabe, M.D.



MUSCULOSKELETAL MRI • SUBSET 7-9

SESSION 7

Shoulder MRI: Structured Evaluation

Avneesh Chhabra, M.D.

SLAP Happy: When and How to Call a
SLAP Lesion on MRI

Adam C. Zoga, M.D.

Sports Injuries of the Wrist: Golf and
Racquet Sports

John D. Reeder, M.D., FACR

Arthritis: Structured Evaluation

Avneesh Chhabra, M.D.

SESSION 8

Experiences/Update in Sports MRI
of the Elbow

Charles P. Ho, M.D., Ph.D.

MRI of Pediatric Sports Injuries

John D. Reeder, M.D., FACR

Posteromedial and Posterolateral
Corners of the Knee

Adam C. Zoga, M.D.

Experiences/Update in Sports MRI
of the Hip

Charles P. Ho, M.D., Ph.D.

SESSION 9

MR Criteria for Meniscal Tears

Adam C. Zoga, M.D.

Experiences/Update in Sports MRI
of the Ankle and Foot

Charles P. Ho, M.D., Ph.D.

Sarcoma: How to Exclude It

Avneesh Chhabra, M.D.

Musculoskeletal MRI Missed Case
Conference

John D. Reeder, M.D., FACR

MRI OF THE BODY AND HEART • SUBSET 10-12

SESSION 10

MR Angiography With and Without Contrast Agents

Robert R. Edelman, M.D.

MRI of Liver Lesions

Janio Szklaruk, M.D., Ph.D.

MRI/MRA of Thoracic Aortic Disease

Scott D. Flamm, M.D., MBA

Positioning in MRI: Basics Make for the Best Outcome Quality

Robyn Birdwell, M.D., FACR

SESSION 11

MR of the Adenxa: 5 Imaging Pearls

Susan M. Ascher, M.D.

Advanced Imaging Techniques for the Body: Pearls and Pitfalls

Robert R. Edelman, M.D.

DWI in Abdominal Imaging: Applications in Oncologic Patients

Janio Szklaruk, M.D., Ph.D.

MRI of Uterine Malignancy: Focus on Revised FIGO

Susan M. Ascher, M.D.

SESSION 12

Normal Background Enhancement in Breast MRI

Robyn L. Birdwell, M.D., FACR

Accelerated Imaging in Cardiac MRI: Techniques, Benefits and Tradeoffs

Scott D. Flamm, M.D., MBA

MRI in the Post Treated Breast: Benign and Malignant Procedures

Robyn L. Birdwell, M.D., FACR

LIRADS Scoring of Liver Lesions: Case Presentation

Janio Szklaruk, M.D., Ph.D.

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