

A CME Teaching Activity

32nd Annual

MRI UPDATES 2019

General MRI

Musculoskeletal MRI

Neuro MRI

Date of Original Release: Bi-Monthly Beginning In January 2019

About This CME Teaching Activity

This CME teaching activity provides practical, timely, clinical information in MRI imaging. Pertinent lectures are selected so that subscribers receive the most up-to-date clinical information. Tips and techniques are stressed, as well as appropriate patient selection. The faculty members have been chosen for their teaching ability, as well as their expertise in MRI.

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.

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for these programs may be claimed until
January 14, 2022.**

Technologists: No Category A CE credit is available for this series.

All activity participants are required to take a written or online test 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.

This CME teaching activity was planned and produced by Educational Symposia, the leader in diagnostic imaging education since 1975.

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

Content & Shipping

The MRI Updates are available in the sub-specialties of General MRI, Neuro MRI and Musculoskeletal MRI. Each series is comprised of six DVDs. **You will receive one DVD every other month beginning in January 2019. International orders will be shipped in their entirety in November 2019.** These DVDs are yours to keep. There is no duplication of lectures among these series.

From the Leader in MRI Education

MRI Updates are an exciting concept in medical education. These bi-monthly releases are designed to offer:

- Up-to-date, practical information essential for the practicing physician
- Outstanding, nationally known faculty selected for their excellence as teachers, as well as for their expertise in MRI
- Educational sessions at your convenience: watch when you please; review them as often as you wish; all are yours to keep
- DVDs are released throughout the year so that you will always be up-to-date

For More Information . . .

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MRI UPDATES 2019

General MRI

Target Audience

This CME teaching activity is primarily intended and designed to educate diagnostic imaging physicians. It should also be useful in educating referring physicians who order MRI procedures.

Educational Objectives

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

- Apply state-of-the-art MRI/MRA techniques to clinical practice.
- Discuss the expanding role of advanced MR imaging applications.
- Utilize MRI to assess patients with gastrointestinal, genitourinary, cardiovascular, breast disorders.
- Explain the role of artificial intelligence and machine learning in medicine.

No special educational preparation is required for this CME activity.

Faculty

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Rochester, MN

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MRI UPDATES 2019

General MRI

Program

Program 1

Hepatobiliary MRI 2018

Russell N. Low, M.D.

MR Enterography

Cynthia S. Santillan, M.D., FSAR

Breast MR Imaging of the High Risk Patient

Stamatia V. Destounis, M.D., FACR

Program 2

Implications of Motion Artifacts in Image Interpretation

Jalal B. Andre, M.D.

Update on MRI BI-RADS®

Stamatia V. Destounis, M.D., FACR

MRI of the Acute Abdomen

Russell N. Low, M.D.

Program 3

Diffusion and Perfusion: New Tools for Abdominal MRI

Russell N. Low, M.D.

Perianal MRI

Cynthia S. Santillan, M.D., FSAR

Cancer Body MRI 2018:

How to See Subtle Tumors Other Tests Miss

Russell N. Low, M.D.

Program 4

MRI Imaging of the Post Treated Breast

Stamatia V. Destounis, M.D., FACR

Making MRI More Efficient and Profitable

Neil M. Rofsky, M.D., FACR

AI Machine Learning: Introduction

Eliot L. Siegel, M.D., FACR, FSIIM

Program 5

MR Contrast Safety Update

Lawrence N. Tanenbaum, M.D., FACR

Update on the Latest Developments in MR Angiography

James C. Carr, M.D.

AI Machine Learning: Hype, Hope and Reality

Eliot L. Siegel, M.D., FACR, FSIIM

Program 6

Benign and Malignant Liver Lesions

Bachir Taouli, M.D.

Multiparametric MRI of the Prostate: Beyond Prostate Cancer What Else Do We See?

John F. Feller, M.D.

MRI of Myocardial Ischemic Disease

Eric E. Williamson, M.D.

Medicolegal Aspects Associated with the Era of Digital Imaging and Personalized Medicine

Eliot L. Siegel, M.D., FACR, FSIIM

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MRI UPDATES 2019

Musculoskeletal MRI

Target Audience

This CME teaching activity is designed to educate radiologists, orthopedic surgeons, podiatrists, sports medicine physicians, and referring physicians who order musculoskeletal MRI studies.

Educational Objectives

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

- Incorporate state of the art pulse sequences and protocols to assess the musculoskeletal system.
- Recognize the strengths and limitations of MRI for the management of sports related injuries.
- Describe the MRI appearance of common musculoskeletal pathology and differentiate this pathology from other causes of abnormal signal.
- Utilize MRI to evaluate hip and pelvic disorders.

No special educational preparation is required for this CME activity.

Faculty

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Philadelphia, PA*

A CME Teaching Activity

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MRI UPDATES 2019

Musculoskeletal MRI

Program

Program 1

MR of the Shoulder

David P. Fessell, M.D.

MRI of the Shoulder in the Throwing Athlete

Adam C. Zoga, M.D.

MR of the Elbow

David P. Fessell, M.D.

Program 2

Knee Nuances and Nuisances

Adam C. Zoga, M.D.

Imaging FAI and DDH

Adam C. Zoga, M.D.

MRI of the Lumbar Spine: A Sports Medicine Approach

Phillip F.J. Tirman, M.D.

Program 3

Evaluation of Groin Pain in the Athlete

John D. Reeder, M.D., FACR

MRI of Wrist and Hand Injuries

John F. Feller, M.D.

MR of the Ankle

David P. Fessell, M.D.

MRI of the Midfoot and Forefoot

Adam C. Zoga, M.D.

Program 4

Indirect MR Arthrography of the Hip and Shoulder

John D. Reeder, M.D., FACR

Malignant Bone Tumors

David P. Fessell, M.D.

Musculoskeletal MRI Missed Case Conference

John D. Reeder, M.D., FACR

MRI of Sports Injuries

Garry E. Gold, M.D.

Program 5

Spine Pathology: A Compartmental Approach

Allan L. Brook, M.D., FSIR

Postoperative Spine Imaging

Jeffrey S. Ross, M.D.

New and Improved Techniques for Rapid Musculoskeletal MRI

Jan Fritz, M.D., P.D., D.A.B.R.

Program 6

Imaging of Extremity Soft Tissue Tumors

John A. Abraham, M.D.

Metal Artifacts in MRI: Practical Problem Solving

Jan Fritz, M.D., P.D., D.A.B.R.

MRI of Acute Bone and Cartilage Injuries

John F. Feller, M.D.

MRI of Knee Meniscus

John D. Reeder, M.D., FACR

A CME Teaching Activity

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Neuro MRI

Target Audience

This CME teaching activity should benefit radiologists and other physicians who perform, supervise, and interpret neurological MRI studies. It should also be valuable for referring physicians who order these studies.

Educational Objectives

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

- Recognize the appearance of normal anatomy and common pathology.
- Expand clinical applications for MRI in evaluation of patients with a variety of CNS disorders.
- Develop image strategies to accurately assess the dural sinus.
- Apply imaging strategies to effectively evaluate the degenerative spine, postoperative spine and traumatic spine injuries.
- Apply advanced imaging techniques such as perfusion and functional imaging to evaluate neurological disorders.

No special educational preparation is required for this CME activity.

Faculty

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Associate Member, Head Injury Prevention and Research Center
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Neuro MRI

Program

Program 1

Cerebrovascular Anatomy and Disease:

A Tutorial

Allan L. Brook, M.D., FSIR

White Matter Diseases

Jeffrey S. Ross, M.D.

MR Imaging of Skull Base Pathology

Wende N. Gibbs, M. D., M.A.

Program 2

CT and MR Imaging of Dural Sinus and
Cortical Vein Thrombosis

J. Pablo Villablanca, M.D., FACR

Strategic Approach to Brain Tumor Imaging

Michael N. Brant-Zawadzki, M.D., FACR

Susceptibility: Friend or Foe

Lawrence N. Tanenbaum, M.D., FACR

Program 3

Beyond The Canal: Imaging Anatomy and
Pathology of Peripheral Nerves

J. Pablo Villablanca, M.D., FACR

Useful Protocols and Anatomy for
Functional Neurosurgery

Timothy M. Shepherd, M.D., Ph.D.

Avoiding Diagnostic Pitfalls in Neuroradiology

Blake A. Johnson, M.D., FACR

Perfusion Imaging in Acute Ischemic Stroke

Jalal B. Andre, M.D.

Program 4

Craniovertebral Junction

Jeffrey S. Ross, M.D.

Arterial Spin Labeling:

Emerging Techniques and Applications

Jalal B. Andre, M.D.

Imaging Update: Cerebral Aneurysms

J. Pablo Villablanca, M.D., FACR

Imaging in Seizure Disorders

James Y. Chen, M.D.

Program 5

Neuroimaging in Dementia

James Y. Chen, M.D.

MR of the Sella Turcica and Parasellar Region

Blake A. Johnson, MD., FACR

Spine Trauma

Jeffrey S. Ross, M.D.

Program 6

Degenerative Spine

James Y. Chen, M.D.

Postoperative Spine Imaging

Jeffrey S. Ross, M.D.

Spinal Cord and Intradural Abnormalities

James Y. Chen, M.D.

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