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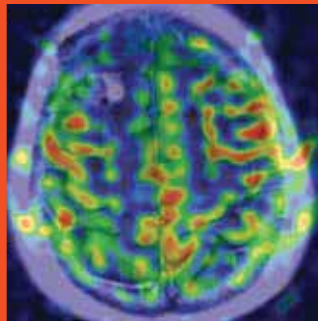
# 2018 Magnetic Resonance Imaging:

## National Symposium

### Designated for SA-CME

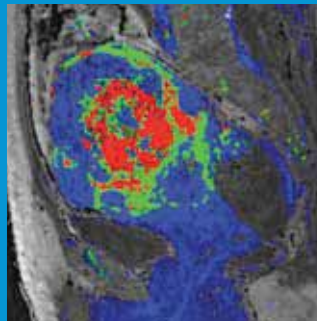
**MRI of the  
Head & Spine**

13.25 Hours



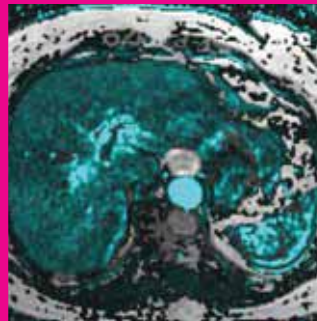
**Musculoskeletal  
MRI**

10.5 Hours



**MRI of the  
Body**

7.0 Hours



27.0 AMA PRA Category 1 Credit(s)<sup>TM</sup>

Release Date: September 1, 2018

**ESI** Educational  
Symposia

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## 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 body applications.

## 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.

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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.

**AMA PRA Category 1 Credit(s)<sup>TM</sup> for this activity may be claimed until August 31, 2021.**

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

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

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## 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.*

### **Jalal B. Andre, M.D.**

*Director of Neurological MRI, Harborview Medical Center  
Associate Member, Head Injury Prevention and  
Research Center  
Associate Medical Staff of Seattle Cancer Care Alliance  
Associate Professor of Radiology  
University of Washington  
Seattle, WA*

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University of California, San Diego  
San Diego VA Medical Center  
San Diego, CA*

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Clinical Professor of Imaging Sciences  
University of Rochester  
School of Medicine and Dentistry  
Rochester, NY*

### **David P. Fessell, M.D.**

*Professor of Radiology  
Director of Leadership Curriculum  
University of Michigan Medical School  
Ann Arbor, MI*

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*Medical Director  
Center for Diagnostic Imaging  
Minneapolis, MN*

### **Russell N. Low, M.D.**

*Medical Director  
Sharp and Children's MRI Center  
San Diego, CA*

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*Director of Imaging  
Proscan Imaging Maryland  
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### **Jeffrey S. Ross, M.D.**

*Neuroradiology Division  
Department of Radiology  
Senior Associate Consultant, Mayo Clinic  
Professor of Radiology, Mayo Clinic College of Medicine  
Editor-in-Chief, American Journal of Neuroradiology  
Phoenix, AZ*

### **Cynthia S. Santillan, M.D., FACP**

*Associate Professor of Radiology  
Chief of Body Imaging Division  
Director of Body Computed Tomography  
University of California, San Diego  
San Diego, CA*

### **Lawrence N. Tanenbaum, M.D., FACP**

*Vice President and Medical Director East Region  
Director of CT, MR and Advanced Imaging  
RadNet, Inc.  
New York, NY*

### **Adam C. Zoga, M.D.**

*Professor of Radiology  
Sydney Kimmel Medical College  
Vice Chair for Clinical Practice  
Director of Musculoskeletal MRI  
Thomas Jefferson University  
Philadelphia, PA*

## MRI of the Head & Spine Subset 1-7

### Session 1

#### MR Contrast Safety Update

*Lawrence N. Tanenbaum, M.D., FACR*

#### Cranial Nerves I - VI

*Blake A. Johnson, M.D., FACR*

#### Perfusion Imaging in Acute Ischemic Stroke

*Jalal B. Andre, M.D.*

### Session 2

#### Cranial Nerves VII - XII

*Blake A. Johnson, M.D., FACR*

#### Advanced Imaging of CNS Neoplasms

*Lawrence N. Tanenbaum, M.D., FACR*

#### Craniovertebral Junction

*Jeffrey S. Ross, M.D.*

### Session 3

#### Quality, Efficiency and Survival with Patient Centric Imaging

*Lawrence N. Tanenbaum, M.D., FACR*

#### Arterial Spin Labeling: Emerging Techniques and Applications

*Jalal B. Andre, M.D.*

#### White Matter Diseases

*Jeffrey S. Ross, M.D.*

### Session 4

#### MR of Intracranial Hemorrhage

*Blake A. Johnson, M.D., FACR*

#### AI and Healthcare

*Lawrence N. Tanenbaum, M.D., FACR*

#### Imaging in Seizure Disorders

*James Y. Chen, M.D.*

### Session 5

#### Emergency Neuroimaging

*Jalal B. Andre, M.D.*

#### Neuroimaging in Dementia

*James Y. Chen, M.D.*

#### MR of the Sella Turcica and Parasellar Region

*Blake A. Johnson, MD., FACR*

## Musculoskeletal MRI Subset 6-11

### Session 6

#### Degenerative Spine

*James Y. Chen, M.D.*

#### Implications of Motion Artifacts in Image Interpretation

*Jalal B. Andre, M.D.*

#### Postoperative Spine Imaging

*Jeffrey S. Ross, M.D.*

### Session 7

#### Spine Infection

*Jeffrey S. Ross, M.D.*

#### Spinal Cord and Intradural Abnormalities

*James Y. Chen, M.D.*

#### Spine Trauma

*Jeffrey S. Ross, M.D.*

### Session 8

#### MR of the Shoulder

*David P. Fessell, M.D.*

#### MRI of the Shoulder in the Throwing Athlete

*Adam C. Zoga, M.D.*

## Session 9

Sports Injuries of the Wrist: Golf and Racquet Sports

*John D. Reeder, M.D., FACR*

MR of the Elbow

*David P. Fessell, M.D.*

Knee Nuances and Nuisances

*Adam C. Zoga, M.D.*

## Session 10

Evaluation of Groin Pain in the Athlete

*John D. Reeder, M.D., FACR*

Imaging FAI and DDH

*Adam C. Zoga, M.D.*

MR of the Ankle

*David P. Fessell, M.D.*

## Session 11

Indirect MR Arthrography of the Hip and Shoulder

*John D. Reeder, M.D., FACR*

MRI of the Midfoot and Forefoot

*Adam C. Zoga, M.D.*

Malignant Bone Tumors

*David P. Fessell, M.D.*

Musculoskeletal MRI Missed Case Conference

*John D. Reeder, M.D., FACR*

## Body Subset 12-15

## Session 12

Hepatobiliary MRI 2018

*Russell N. Low, M.D.*

LI-RADS 2018 Update

*Cynthia S. Santillan, M.D., FSAR*

Diffusion and Perfusion: New Tools for Abdominal MRI

*Russell N. Low, M.D.*

## Session 13

Update on MRI BI-RADS®

*Stamatia V. Destounis, M.D., FACR*

MR Enterography

*Cynthia S. Santillan, M.D., FSAR*

Breast MR Imaging of the High Risk Patient

*Stamatia V. Destounis, M.D., FACR*

## Session 14

Cancer Body MRI 2018: How to See Subtle Tumors Other Tests Miss

*Russell N. Low, M.D.*

Perianal MRI

*Cynthia S. Santillan, M.D., FSAR*

## Session 15

MRI Imaging of the Post Treated Breast

*Stamatia V. Destounis, M.D., FACR*

MRI of the Acute Abdomen

*Russell N. Low, M.D.*

Breast MRI Biopsy Techniques

*Stamatia V. Destounis, M.D., FACR*

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**February 15 - 17, 2019**  
Coronado, CA



## Clinical Nuclear Medicine 2019

**April 11 - 12, 2019**  
Orlando, FL

## Clinical Ultrasound

**April 11 - 13, 2019**  
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## Noninvasive Vascular Imaging 2019

**June 6 - 8, 2019**  
Las Vegas, NV

## PET/CT Imaging 2019

**April 13 - 14, 2019**  
Orlando, FL

## Magnetic Resonance Imaging 2019

**April 23 - 27, 2019**  
Las Vegas, NV



## Roundtrip from London, England

Charles S. White, M.D.  
**June 18 - 30, 2019**

## Roundtrip from Seattle, Washington

James Y. Chen, M.D.  
**August 3 - 10, 2019**

## Scandinavia & Russia

Katherine M. Richman, M.D., FACR  
**July 15 - 26, 2019**

## Sail from Athens, Greece to Barcelona, Spain

Russell N. Low, M.D.  
**September 14 - 21, 2019**