

A CME Teaching Activity

2016 Musculoskeletal Imaging in Clinical Practice

Release Date: March 1, 2016

About This CME Teaching Activity

The focus of this activity is a review of clinical applications concerning the diagnosis, treatment and management of the musculoskeletal disorders. Emphasis is placed on imaging techniques and image interpretation in musculoskeletal injuries and pathology. Attention is placed on modern imaging and surgical correlation while stressing the need for intra-disciplinary teamwork when deciding the most effective patient management

Target Audience

This CME activity is designed to educate diagnostic imaging physicians who supervise and interpret musculoskeletal MRI and ultrasound studies. In addition, referring physicians who order musculoskeletal MRI and ultrasound studies should gain an appreciation of the strengths and limitations of these types of procedures.

Scientific Sponsor

Educational Symposia

Educational Objectives

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

- Incorporate state of the art imaging protocols to accurately assess musculoskeletal pathology and injury.
- Assess patients with joint pathology in a non-invasive manner utilizing Ultrasound and MRI.
- Recognize the strengths and limitations of Ultrasound and MRI for the management of sports related injuries.
- Describe the MR appearance of musculoskeletal injury, arthritis and neoplasia, and differentiate this pathology from other causes of abnormal signal.
- Demonstrate an increased knowledge of the impact MR imaging has on patient management.
- Discuss the utility of musculoskeletal ultrasound for diagnosis and direction of treatment of musculoskeletal pathology.

No special educational preparation is required for this CME activity.

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 16.5 *AMA PRA Category 1 Credit(s)*TM. 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)*TM
for this activity may be claimed until February 28, 2019.**

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.

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Faculty

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Department of Medical Imaging
The University of Arizona, College of Medicine
Banner - University Medical Center
Tucson, AZ*

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2016 Musculoskeletal Imaging in Clinical Practice

Program

Session 1

Basics of Musculoskeletal Ultrasound

Mihra S. Taljanovic, M.D., Ph.D., FACR

Optimization of CT and MRI

William B. Morrison, M.D.

Advanced Ultrasound Applications

Mihra S. Taljanovic, M.D., Ph.D., FACR

MRI: Advanced Techniques

William B. Morrison, M.D.

Session 2

Ultrasound Demo 1: Shoulder

Mihra S. Taljanovic, M.D., Ph.D., FACR

Impingent and Rotator Cuff Disease

William B. Morrison, M.D.

MRI of Sports Injuries of the Shoulder

John F. Feller, M.D.

Session 3

Ultrasound Demo 2: Elbow

Mihra S. Taljanovic, M.D., Ph.D., FACR

Introduction to MRI of the Elbow

John F. Feller, M.D.

How I Take A Case: Shoulder & Ankle

William B. Morrison, M.D.

Session 4

Ultrasound Demo 3: Ankle, Foot and Wrist

Mihra S. Taljanovic, M.D., Ph.D., FACR

MRI of the Hip: Bone, Tendon, Muscle Injuries

John F. Feller, M.D.

MRI of the Forefoot

William B. Morrison, M.D.

Session 5

Ankle Tendon and Ligament Injuries

John V. Crues III, M.D.

Hip FAI, Dysplasia and the Labrum

William B. Morrison, M.D.

Hip: Trauma

John V. Crues III, M.D.

Session 6

Imaging of Malignant Bone Tumors

John A. Abraham, M.D.

MSK Procedures - Biopsies and More

William B. Morrison, M.D.

Imaging of Extremity Soft Tissue Tumors

John A. Abraham, M.D.

Session 7

MR Arthrography Update

John F. Feller, M.D.

Menisci of the Knee: Anatomy and Patterns of Failure

Donald L. Resnick, M.D.

Knee: Extensor Mechanism

John V. Crues III, M.D.

Ligaments of the Knee: Footprints of Injury

Donald L. Resnick, M.D.

Session 8

Tumor Mimickers (Osteomyelitis, Myositis, Pseudotumors, and Synovitis)

John A. Abraham, M.D.

Overview: Imaging of Inflammatory Arthropathies

John V. Crues III, M.D.

Bone and Cartilage Injury

Donald L. Resnick, M.D.

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2016 Musculoskeletal Imaging in Clinical Practice

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Session 9

The Value of MRI in the Diagnosis, Prognosis and
Monitoring Patients with Rheumatoid Arthritis

Ewa Olech, M.D.

Introduction to Wrist Imaging

John V. Crues III, M.D.

Triangular Fibrocartilage of the Wrist

Donald L. Resnick, M.D.

Session 10

The Role of MRI in Evaluating Patients with
Spondyloarthropathies

Ewa Olech, M.D.

MRI Following Joint Replacement

John F. Feller, M.D.

MRI in Rheumatoid Arthritis and
Ankylosing Spondylitis Clinical Trials

Ewa Olech, M.D.

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