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A CME TEACHING ACTIVITY

# 2014 American Society of Spine Radiology - Spine Imaging

**DESIGNATED FOR SA-CME**

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

Release Date: May 15, 2014

## About This CME Teaching Activity

The 2014 American Society of Spine Radiology – Spine Imaging CME Teaching Activity provides presentations and discussions of new and important developments in spine radiology. Typically organized sessions concentrate on various aspects of diagnostic and interventional spine techniques. Diagnostic presentations highlight the latest in MR and CT imaging advances, controversies in spine imaging, medicolegal hazards and recommendations, spine and sports related spine trauma, pediatric and advanced imaging. The interventional presentations discuss advanced vertebral augmentation including novel and advanced interventional spine techniques for pain management. Nationally and internationally recognized experts share their experiences through didactic lectures, and case-based reviews.

## Target Audience

This CME activity is primarily intended and designed to educate radiologists, neuroradiologists, musculoskeletal radiologists, interventional radiologists, spine surgeons, pain management and rehabilitation physicians, anesthesiologists, as well as fellows and residents-in-training in these specialties.

## Scientific Sponsor

Educational Symposia

## Accreditation

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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)*<sup>™</sup> for this activity may be claimed until May 14, 2017.**

This CME activity was planned and produced by Educational Symposia, the leader in diagnostic imaging 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:

- Demonstrate an increased understanding of recent advances in MR and CT imaging techniques.
- Expand their clinical imaging protocols to include recent advances in spine and peripheral nerve imaging to their daily practice.
- Develop greater understanding of the unique conditions that affect the spine and how imaging and image-guided intervention are used in their treatment.

*No special educational preparation is required for this CME activity.*

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# Program

## Session 1

History and Evolution of Spine Imaging

*Majda M. Thurnber, M.D.*

Vertebral Augmentation: To Be or Not To Be

*A. Orlando Ortiz, M.D., MBA, FACR*

Epidural Steroid Injections:

Efficacy vs. Complications

*Todd Miller, M.D.*

Contrast vs. Non Contrast for Spine Imaging

*Alessandro Cianfoni, M.D.*

Discography: An Art or a Science?

*Walter S. Bartynski, M.D.*

Should We Even Do Plain Radiography for Spine

Trauma: Imaging Algorithm

*Johan W.M. Van Goethem, M.D., Ph.D.*

Disc Nomenclature: Relevance to Reports,

RadLex and Reporting Templates

*Alan L. Williams, M.D., FACR, MBA*

## Session 2

What Not to Say in Your Spine Reports

(Medicolegal Issues)

*Stephen L.G. Rothman, M.D.*

Medicolegal Hazards in Spine Imaging

*Paul E. Kim, M.D.*

Current Concepts in Spondylolisthesis

*Stephen L.G. Rothman, M.D.*

Dynamic or Static Imaging? Flexion and

Extension Imaging of the Cervical Spine

*John L. Go, M.D.*

How to Find The Painful Facet? Clinical

Findings vs. SPECT-CT vs. MRI

*Johan W.M. Van Goethem, M.D., Ph.D.*

## Session 2 (continued)

Sunshine Act: What it Means for Industry,  
Physicians and the Future of the Society

*Jeffrey A. Stone, M.D., FACR*

Spine Infections: Early, Intermediate  
and Late Imaging Appearances

*Sophia C. Symko, M.D.*

Imaging in Spinal Cord Inflammatory Disease

*Evelyn M. Sklar, M.D.*

## Session 3

Imaging of Lymphoproliferative Disorders;

Plasma Cell Tumors, Lymphoma and Leukemia

*Carl E. Johnson, M.D.*

DWI and DTI in Spine Tumors

*Puneet S. Pawha, M.D.*

CTA & MRA of the Spine

*Scott D. Agran, M.D.*

Miami Project to Cure Paralysis:

New Discoveries in the Pathogenesis

and Treatment of Spinal Cord Injury

*W. Dalton Dietrich, Ph.D.*

FDA Approved Stem Cell Injections  
in the Human SCI

*Allan D. Levi, M.D., Ph.D., FACS*

Value of Diffusion Tensor and Other Imaging

Biomarkers in Spinal Cord Injury

*Eric D. Schwartz, M.D.*

Athletic Spine Injuries: Pro Jock

and Weekend Warriors

*Jeffrey A. Stone, M.D., FACR*

## Session 4

Imaging of the Chronically Injured Spinal Cord

*Robert M. Quencer, M.D., FACR*

Diagnostic, Surgical and Procedural  
Mishaps Involving the Spine

*Lubdha M. Shah, M.D.*

Novel Ablation and Therapies for Spine Tumors

*Afshin Gangi, M.D., Ph.D.*

How to do Catheter Angiography  
in Spine Vascular Disease

*Michele H. Johnson, M.D.*

Biopsies of Spine Tumors: Do's and Don'ts

*Amish H. Doshi, M.D.*

Novel Spine Interventions and Spinal Cord  
Stimulation: Overview and Insights

*Allan L. Brook, M.D., FSIR*

Sympathetic Nerve Blocks

*Bassem A. Georgy, M.D.*

Spinal Cysts, Fluid Collections and Interventions

*Alyssa T. Watanabe, M.D.*

## Session 5

MRI of the Spine Over the Next 10 Years:  
Quo Vadis?

*William G. Bradley, Jr., M.D., Ph.D., FACR*

A Historical Review of the  
ASSR and Spine Radiology

*M. Judith Donovan Post, M.D., FACR*

Economics and the Changing Tide -  
How Will the Imaging Spine Hold Up?

*A. Orlando Ortiz, M.D., MBA, FACR*

Past, Present and Future of Diagnostic Blocks  
and Procedures Occipital Pain, Head and Neck  
Injections (Trigeminal, Maxillary Injections)

*Wade W.M. Wong, D.O., FACR, FAOCR*

## Session 5 (continued)

Guidelines for the Ethical Use of Neuro  
Images in Medical Testimony: Report of  
a Consensus Conference

*Gordon K. Sze, M.D., FACR*

Ultrasonography of Neonatal Brain  
and Spinal Cord

*Thierry A.G.M. Huisman, M.D., EQNR, FICIS*

## Session 6

Infections and Inflammatory Conditions  
of the Pediatric Spine and Cord

*Pia Maly Sundgren, M.D., Ph.D.*

Spinal Dysraphism: Advanced  
Concepts and Cases

*Andrea Rossi, M.D.*

Pediatric Spine Trauma: Relevant and  
Non-Relevant Imaging Findings Including  
it's Mimickers

*Thierry A.G.M. Huisman, M.D., EQNR, FICIS*

Advanced Imaging of the Pediatric Spine

*Aylin Tekes, M.D.*

Where Not to Send Your Articles:  
Predatory Open Access Journals

*Mauricio Castillo, M.D., FACR*

## Session 7

Radiation: The Real Risk to Our Patients and the  
Interventionalists - My Inside Scoops on Imaging  
and the TSA

*Edward A. Dauer, M.D. FACR*

Survey of Neuroradiologists and Spine  
Surgeons on Disc Nomenclature

*Steven Falcone, M.D., MBA*

ABR Update: MOCs, PQIs, CAQs

*Joseph C. Sullivan, III, M.D.*

# Program Continued

## Session 7 (continued)

Radiologist Productivity: Carrots or Sticks!

*William D. Keyes, M.D.*

ABC of Low Back Spine Conservative Care

*Dan T.D. Nguyen, M.D.*

SWI in the Spine

*Emerson L. Gasparetto, M.D., Ph.D.*

## Session 8

Facet Fusion Plugs

*Gregory W. Petermann, M.D.*

Practical Brachial Plexus Imaging

*Falgun H. Chokshi, M.D., M.S., D.A.B.R.*

Imaging CSF Flow in the Spine

*Jeffrey A. Bennett, M.D.*

Advanced Vertebroplasty

Augmentation Treatments

*Mario Muto, M.D.*

Interventional Ablation: Current Indications

*Afshin Gangi, M.D., Ph.D.*

Cervical Spine Augmentation and Interventions

*Alessandro Cianfoni, M.D.*

## Session 9

Sacroplasty and Sacral Interventions

*Luigi Manfre, M.D.*

Interventional Spine Pain Management:

The Core Procedures

*Richard Silbergleit, M.D., MBA*

Spine Tumor Augmentation and

New Therapeutic Options

*Allan L. Brook, M.D., FSIR*

## Session 9 (continued)

Update on Vertebral Augmentation

*Bassem A. Georgy, M.D.*

Facet and Sacroiliac RFA:

Evidence and Indications

*Stefano Marcia, M.D.*

Imaging Landmarks for Practical

Spine Procedures

*Gregory J. Lawler, M.D.*

Innovative Treatments and Approaches to

Problematic Spinal Lesions

*Ivan Chaitowitz, M.D.*

## Session 10

Intraoperative Image-Guidance for

Spine Neurosurgery

*Patrick C. Hsieh, M.D.*

Diagnosis and Treatment of Sacral

Insufficiency Fractures: Personal

Experience with 150 Patients

*Keith E. Kortman, M.D.*

Pudendal Neuropathy, Coccygeal Nerve Blocks,

Hypogastric Blocks (Pelvis and Perineal Pain)

*Wade H.M. Wong, D.O., FACR, FAOCR*

MIS Lumbar/Thoracic Fusion Surgery

*Kent B. Remley, M.D.*

Dangers of Minimally Invasive Spine Surgery

*Patrick C. Hsieh, M.D.*

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