

American Society of Spine Radiology

Designated for SA-CME

19.5 AMA PRA Category 1 Credit(s)™

Release Date: June 15, 2015





About This CME Teaching Activity

The 2015 American Society of Spine Radiology CME Teaching activity provides presentations and discussions of new and important developments in spine radiology. Topically organized sessions concentrate on various aspects of diagnostic and interventional spine techniques. Nationally and internationally recognized experts share their experiences through didactic lectures, discussions and case-based reviews.

Diagnostic spine sessions highlight the latest in MR and CT imaging advances as well as controversies in spine imaging including infectious diseases, oncologic imaging/management, unique aspects of pediatric spine, the etiology of pain generators, spine trauma and spinal cord injury and advanced imaging ranging from diffusion tensor imaging to neurography.

Interventional spine sessions provide a basic to advanced review of spine interventional procedures, including augmentation procedures, epidural therapeutics, advanced nerve blocks and cryoablation techniques.

Target Audience

This CME teaching 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. Course material is also aimed at allied health professionals, including physician assistants and nurse practitioners, who specialize, or have particular interest, in conditions affecting imaging and treating the spine.

Scientific Sponsor Educational Symposia

Material contained in this product was captured during the 2015 ASSR live meeting.

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 19.5 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)™ for this activity may be claimed until June 14, 2018.

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 spine and peripheral nerve imaging to daily practice.
- Review and understand the variety of diverse pathology that affects the spine, including congenital, degenerative, infectious/inflammatory, neoplastic, traumatic, and vascular conditions.
- Develop greater understanding of the unique conditions that affect the spine and how imaging and image-guided intervention are used in their treatment.
- Gain a better understanding of the controversies and limitations inherent to the diagnostic modalities and interventions
 used in the assessment and treatment of spinal diseases.
- Understand the interplay between surgical intervention, oncology, percutaneous therapy and diagnostic imaging in the clinical management of spinal disease.

No special educational preparation is required for this CME activity.

Faculty

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Program

Session 1

Keynote Address: Value Based

Imaging for LBP

Jeffrey (Jerry) G. Jarvik, M.D., M.P.H.

LBP: From the Bench Side to the Clinic *Jeffrey S. Ross, M.D.*

Pearls of Spine Imaging: To Image or Not? *Johan W.M. Van Goethem, M.D., Ph.D.*

The Role of Dynamic MRI in Diagnosing Lower Back Pain

Jeffrey C. Wang, M.D. (NASS)

Advanced Imaging of LBP

Lawrence N. Tanenbaum, M.D., FACR

Session 2

Metamorphosis of a Diagnostic Radiologist into an Interventional Spine Radiologist: How to Start a Practice

Amish H. Doshi, M.D.

Indications and How to Do Steroid Injections *Todd Miller, M.D.*

Indications and How to Do Facet Injections *Walter S. Bartynski*, *M.D.*

Indications and How to Approach Vertebral Augmentation

Gregory J. Lawler, M.D.

Vertebral Augmentation - Tales from the Crypt *Mary E. (Lee) Jensen, M.D.*

Session 3

Appropriate Use of Imaging/Intervention for Post-Operative Infection

Lubdha M. Shah, M.D.

How Much Imaging is Too Much Imaging? *Paul E. Kim, M.D.*

Will Structured Reporting Enhance the Value of Spine Imaging?

Richard H. Wiggins, III, M.D., CIIP, FSIIM

Value and Deficiencies of the Spine Nomenclature Alan L. Williams, M.D., FACR, MBA

Myelography: A Dying Art: Current Utility *Richard Silbergleit, M.D., MBA*

Discography: The Current Evidence *John D. Barr, M.D.*

Session 4

Keynote Address: Goals/Expectations to Restoring a Normal Life to the Spinal Cord Injured Patient - Role of Rehabilitation *Anthony Burns, M.D., M.Sc.*

Clearing the Injured Spine *Vahe M. Zohrabian*, *M.D.*

Special Considerations for the Traumatized Pediatric Spine

Erin Simon Schwartz, M.D.

Eric D. Schwartz, M.D.

Clearance for Return to Play in High Performance Athletes After Spinal Trauma *Gregory W. Petermann, M.D.*

Role of MRI in SCI: Correlation with Neurologic Deficit and Prognosis

Falgun H. Chokshi, M.D., M.S., DABR

Is DTI the Missing Link in Spinal Cord Injury?

Session 5

Spine Tumor Imaging: What the Radiation Oncologist Needs to Know

Michelle Alonso-Basanta M.D., Ph.D.

Surgical Stabilization in Spine Oncology *Daniel Refai*, *M.D.*

Pediatric Spine Tumors You Might Actually See *Nilesh K. Desai, M.D.*

Interventional Therapeutics for Spinal Tumors *Jack W. Jennings, M.D., Ph.D.*

Advanced Imaging of Spinal Tumors: Diffusion Imaging and Beyond *Punet S. Pawha, M.D.*

Session 6

Multi-disciplinary Case Conference: Interventionalists, Surgeon, Oncologist Moderator: Kent B. Remley, M.D.

Session 7

Keynote Address: MRI Findings in Complications and Failures of Lumbar Spinal Surgery: Why Does the Failed Back Fail?

A. Jay Khanna, M.D., MBA

Pathogenesis Of Spinal Stenosis *Victor M. Haughton, M.D.*

Imaging of Spinal Stenosis Kiran S. Talekar, M.D., MBBS

Cervical Spondylotic Myelopathy *Adam E. Flanders, M.D.*

Degenerative Disk Disease in the Pediatric Population

Aseen Sharma, M.D.

Surgical Objectives for Treatment of Spinal Stenosis *Bohdan W. Chopko, M.D., Ph.D.*

Session 8

Discitis/Osteomyelitis and Its Mimickers M. Judith Donovan Post, M.D., FACR

Imaging of Post-Operative Complications *John L. Go, M.D.*

Transvers Myelitis: Role of Neuroradiology *Eric D. Schwartz, M.D.*

Pediatric Spine Infections
Pia Maly Sundgren, M.D., Ph.D.

Inflammatory Spondyloarthropathies *Sophia C. Symko, M.D.*

Granulomatous Diseases Wende N. Gibbs, M.D.

Session 9

Imaging 3.0: Adding Value to Imaging *Keith J. Dreyer, D.O., Ph.D.*

Health Care Reform in 2015 - An Update Vinil N. Shah M.D. for Joshua A. Hirsch, M.D., FACR, FSIR

The Alphabet Soup of Government Programs You Should Care About; ACO's, SGR, MU *Gaurang V. Shah, M.D.*

Case Files from the ASNR Presidential Archives Gordon K. Sze. M.D., FACR

Legal Ramifications of Your Reports *Stephen L.G. Rothman, M.D.*

ABR Co-sponsorship of the Pain Management Certificate Meng Law, M.D., MBBS, FRACR & Frederick E. Weiss, M.D., PT, DPT, RMSK

Program (continued)

Session 10

Vascular Injury to the Carotid and Vertebral Arteries

Allison M. Grayev, M.D.

MRI Patterns in Spinal Cord Pathologies *Lisa M. Tartaglino, M.D.*

Practical Plexus Imaging

Efrat Saraf-Lavi, M.D.

MR Neurography

John A. Carrino, M.D., MPH

Is Whiplash Amenable to Imaging?

Edward Quigley, III, M.D., Ph.D.

Vascular Lesions of the Spine and Spinal Cord: Imaging Features, Algorithms and Treatment *Michele H. Johnson, M.D.*

Session 11

Surgical Perspective in the Evaluation of Back Pain

Thomas Mroz, M.D. (NASS)

Assessment of Axial and Radicular Pain *Dan T.D. Nguyen, M.D.*

Neurology and Physical Exam of the Spine for Spine Radiologists

Stanley Golovac, M.D

Pharmacological Management of Pain

 $Wade\ H.M.\ Wong,\ D.O.,\ FACR,\ FAOCR$

Local Anesthetics and Steroids

John M. Mathis, M.D., MSc.

Session 12

Percutaneous Disk Procedures: New Horizons *Christopher Hancock, M.D.*

Advanced VP and KP Techniques

Allan L. Brook, M.D., FSIR

Cryoblation and Radiofrequency Ablation in Spine and Sacrum

Jonathan (Jay) M. Morris, M.D.

Treatment of Malignant Compression Fractures: Augmentation and Local Ablation

Bassem A. Georgy, M.D

Principles and Techniques of the MILD Procedure

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

Session 13

Epidemiology & Diagnosis of CSF Hypotension *Patrick H. Luetmer, M.D.*

Fixing the Elusive Spinal Leak: Blood Patches versus Open Surgery Felix E. Diehn, M.D.

An Interventional Approach to SI Joint Pathology

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

Facet Pain Syndromes

Alyssa T. Watanabe, M.D.

How to Approach Facet Interventions Blake A. Johnson, M.D., FACR

Synovial Cysts

Jeffrey A. Stone, M.D., FACR

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