Multidisciplinary Patient Centered Approach: Synergy of Imaging and Procedures in the Accurate Diagnosis and Treatment of Spinal Disorders

Vendor Sponsored Hands-On Spine Procedures Workshops!

New This Year!
BOOT CAMP LECTURE SERIES
Basic spine imaging series for general radiologists and spine care providers!

Vendor Sponsored Hands-On Spine Procedures Workshops!

American Society of Spine Radiology
Annual Symposium

FEBRUARY 18-21, 2016 - PRESIDENTS’ WEEK
HYATT REGENCY COCONUT POINT RESORT AND SPA • BONITA SPRINGS, FLORIDA

20.5 AMA PRA CATEGORY 1 CREDIT(S)™
Specific Sessions of the meeting program will be submitted to the ABR for SAM qualification.
The ASSR 2016 Annual Symposium will provide a forum for pre- senters to discuss advancements in spine radiology and spine interventions. Keynote addresses and topically organized focus sessions will concentrate on various aspects of diagnostic and interventional spine techniques. Nationally and internationally recognized experts will share their experiences through didactic lectures, discussions and case-based reviews. Scientific sessions will address the newest applications and techniques in spine imaging and intervention, while electronic educational exhibits will help to reinforce and review new concepts. In addition, the oral and poster presentations will present new and exciting investigations in spine research. Young investigators can submit their original work for consideration in the Louis A. Glila, M.D. Mentor Award Program, or compete for awards in either the best scientific paper or electronic presentation categories. New this year, all accepted papers, exhibits and posters will receive oral presentation time!

Diagnostic Spine Sessions will highlight the latest in MR and CT imaging advances, controversies in spine imaging including coverage of infectious diseases, oncologic imaging management, unique aspects of pediatric spine, the etiology of pain generators, spine trauma and advanced imaging ranging from diffusion tensor imaging to neurography.

Interventional Spine Sessions will give participants the opportunity to review and master basic and advanced spine interventional skills, covering topics such as novel augmentation procedures, epidural therapeutics, advanced nerve blocks and tumor ablation techniques.

Multidisciplinary Clinical Case Management Conference A moderator will lead a panel of experts to present and discuss a series of controversial spine management dilemmas and discuss the role of imaging, diagnostic and therapeutic interventions, percutaneous therapy, pain management and oncology (when applicable) in achieving best practices in comprehensive multidisciplinary spine care.

Breakfast & Learn and Lunch & Learn Sessions will complement the formal scientific program and will address specific technical advances in imaging and/or interventional procedures and products.

Interventional Roundtable for Trainees and Aspiring Interventional Spine Physicians will provide a forum for attendees to interact with interventional spine and vendors in an informal setting, in the vendor area, to learn the secrets for starting and sustaining a successful spine intervention practice (attendance is limited!)

Hands-on Spine Procedures Workshops (sponsored by vendors) will allow attendees to be trained by experts from the ASSR Speakers Bureau to perform image guided spine procedures.

EDUCATIONAL OBJECTIVES

Attendees should, at the completion of this Symposium, 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 presents in the spine, including infective/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.

- Use the latest tools and techniques for surgical interventional oncology, percutaneous therapy and diagnostic imaging in the clinical management of spinal disease.

No special educational preparation is required for this CME activity.

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 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 treatment of the spine.

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the International Institute for Continuing Medical Education, Inc. and The American Society of Spine Radiology (ASSR).

DESIGNATION STATEMENT

The International Institute for Continuing Medical Education, Inc. designates this live activity for a maximum of 20.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

New this year is the Power Pitch Session where accepted exhibits and electronic posters will have Oral Presentation time! Residents and Fellows will be able to get up on the main stage and give a concise “bottom line” summary. They will then be available to discuss their exhibits in the exhibit area.

The Member-Bring-a-New-Member Membership Campaign will reward current members who recruit a new member with a $25 membership credit. A new registration feature will encourage all non-members attending the Symposium to join the ASSR. Simply complete a short membership application to enjoy immediate benefits including the discounted member registration rate. A new membership + registration will cost less than the cost of a non-member registration alone ($675 vs. $825). It’s a no brainer to join the ASSR!

There will be plenty of opportunities for rest, relaxation, collegial networking and collaboration. From the Welcome Reception to the Closing Party, the Symposium offers many opportunities for attendees to interact with experts in the field. Additional opportunities for learning and training include vendor-sponsored Hands-on Spine Procedures Workshops where attendees will be trained in new technique and devices. Breakfast and Learn sessions, and Lunch and Learn sessions will educate attendees on vendor products and services.

Back this year is the well-received Interventional Roundtable Session designed for trainees and aspiring interventional spine physicians who would like to begin a spine intervention practice and who seek guidance from the leading experts in the field.

Also back this year is the interactive Multidisciplinary Clinical Case Management Conference. This popular session will have a panel of experts discussing the comprehensive imaging, evaluation, and management of spinal disorders utilizing a moderated clinical case conference format with audience participation. The discussion will undoubtedly again be engaging, entertaining, practical and very informative.

On behalf of the entire Program Committee, I hope you will join us during Presidents’ week at the Hyatt Regency Coconut Point Resort and Spa for the 2016 ASSR Annual Symposium – the World’s premier spine imaging and intervention conference!

I look forward to seeing you in sunny Bonita Springs, Florida!

Gregory J. Lawler, MD
ASSR President/Program Chair

ATTENTION NONMEMBERS: If you submit a completed membership application, you can register for the ASSR 2016 Annual Symposium at a special discounted member rate. Please see Registration Form for details.

REGISTRATION INFORMATION

Registration includes all course materials, including a comprehensive electronic course syllabus, continental breakfasts and coffee breaks, Breakfast & Learn and Lunch & Learn Sessions, workshops and all lectures. Family members and friends, ages 12 years and older, who wish to attend social functions which include the Welcome Reception, Continental Breakfasts and the Closing Party may do so by registering for the Symposium. The fee for each guest is $100.00. Company-sponsored, unaccredited workshops require separate registrations. See program for details. Early registration is strongly suggested. There will be a $50.00 late fee added to registrations received after January 18, 2016. Cancellations must be received in writing. A $75.00 processing fee will be applied to all cancellations. Refunds requested in writing prior to January 18, 2016 will be issued for the amount of registration fee less the $75.00 processing fee. No refunds will be made on or after that date.

EASY WAYS TO REGISTER

FAX: Fax your completed registration form to (205) 467-0195.

MAIL: Mail your completed registration form, including credit card information, or check payable to ASSR 2016 to: International Institute for Continuing Medical Education, Inc., P.O. Box 350, Springville, AL 35146.

INTERNET: To register log on to: http://www.icme.net.

INFORMATION

For more information or questions regarding the ASSR 2016 Symposium, contact Kelsey Rodgers at 205-467-0290, ext 108. or krodgers@iicme.net.

DISCLAIMER

The International Institute for Continuing Medical Education, Inc. and the ASSR as planners and presenters of this meeting claim no liability for the acts of any suppliers or the safety of any attendees while in transit to, from, or during this event or any optional activities. No liability, for the meeting organizers is limited to a refund of the registration fee.
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PROGRAM SCHEDULE (SUBJECT TO CHANGE)

WEDNESDAY, FEBRUARY 17, 2016
4:00 – 6:00 PM Registration for Attendees and Guests

THURSDAY, FEBRUARY 18, 2016
7:00 – 7:55 AM Registration and Continental Breakfast for Registrants
7:15 – 7:45 AM Breakfast & Learn Session -TBD (non-accredited)
7:55 – 8:00 AM Welcome and Dedication .......................................................... Gregory J. Lawler, MD

JOINT SESSION 1: SPINAL STENOSIS AND DEGENERATION • Moderators: Walter S. Bartynski, MD and Gregory J. Lawler, MD
8:00 – 8:30 AM KEYNOTE: Back Pain and Population Management: Socio-economic Implications and Opportunities for Multidisciplinary Care .......................................................... Michael T. Modic, MD, FACR
8:30 – 8:45 AM Boot Camp Series: Radiographic Anatomy of the C/T/L Spine .......................................................... Peter Kranz, MD
8:45 – 9:00 AM Grading Systems for Stenosis and Root Compression: What Does It Mean? .................. Johanna W. Van Goethem, MD, PhD
9:00 – 9:15 AM Low Back Pain Patients with Spinal Stenosis: Evaluation and Treatment Outside an Operating Room .......................................................... Heidi Prather, MD (NASS)
9:15 – 9:30 AM Interventional Procedures for Spinal Stenosis and Nerve Compression .......................................................... Walter S. Bartynski, MD
9:30 – 9:45 AM Alternative Etiologies of Low Back Pain - Psychological and Integrative Medicine Approaches .......................................................... Melissa D. Fenton, PhD, LMHC
9:45 – 10:00 AM Question & Answer Session .......................................................... Faculty
10:00 – 10:30 AM Refreshment Break / Visit Exhibits

Interventional Session I:
Clinical Evaluation of the Spine Patient: Moving Toward Pain Medicine Certification
Moderators: Gregg H. Zorzsak, MD and Frederick Weiss, MD, PT, DPT, RMSK

10:30 – 10:45 AM Building a New Service Line: The Spine Clinic .......................................................... Amish H. Doshi, MD
10:45 – 11:00 AM Lower Back Pain - Daniel T.D. Nguyen, MD
11:00 – 11:15 AM Neurology and Physical Exam of the Spine for Spine Radiologists .......................................................... Frederick E. Weiss, MD, PT, DPT, RMSK
11:15 – 11:30 AM Neurapathic Pain and Pain Syndromes .......................................................... Wade H.M. Wong, DO, FACR, FAOCR
11:30 – 11:45 AM Surgical Perspective in the Evaluation of Back Pain .......................................................... Bohdan W. Chopko, MD, PhD
11:45 – 12:00 PM Question and Answer Session .......................................................... Faculty
12:00 – 1:00 PM Lunch and Learn Session -TBD (non-accredited) or Lunch On Your Own

JOINT SESSION 2: SPINAL TRAUMA AND SPINAL CORD INJURY (SAM SESSION) • Moderators: Adam E. Flanders, MD and Vahe M. Zohrabian, MD

1:00 – 1:30 PM KEYNOTE: MR in Spine Trauma .......................................................... Jeffrey S. Ross, MD
1:30 – 1:45 PM Boot Camp Series: High Resolution CT in Spine Trauma .......................................................... Vahe M. Zohrabian, MD
1:45 – 2:00 PM A Spinal Cord Injury Neurologist’s Perspective on Acute C-Spine Trauma: What You Need to Know .......................................................... Keith Tansey, MD, PhD
2:00 – 2:15 PM DTI of Spinal Cord Injury .......................................................... Mahmoud Mossa-Basha MD, DABR
2:15 – 2:30 PM Whiplash and Mild Cervical Spine Trauma: Can Imaging Help to Triage and Assess Patients? .......................................................... Johann W. Van Goethem, MD, PhD
2:30 – 2:45 PM Question and Answer Session .......................................................... Faculty
2:45 – 3:15 PM Refreshment Break / Visit Exhibits
3:15 – 4:15 PM Interventional Roundtable for Trainees and Aspiring Interventional Spine Physicians (non-accredited) .......................................................... Lubdha M. Shah, MD, Moderator
4:00 – 6:00 PM Workshop I – Topic & Faculty: - TBD (non-accredited)
6:30 – 8:30 PM Welcome Reception for Registrants and Registered Guests

FRIDAY, FEBRUARY 19, 2016
7:00 – 8:00 AM Continental Breakfast for Registrants
7:15 – 7:45 AM Breakfast & Learn Session -TBD (non-accredited)

JOINT SESSION 3: PEDIATRIC SPINE IMAGING (SAM SESSION) • Moderators: Erin Simon Schwartz, MD and Susan Palasis, MD

8:00 – 8:30 AM KEYNOTE: The Chiari I Malformation .......................................................... Charles Raybaud, MD
8:30 – 8:45 AM Boot Camp Series: How to Approach the Pediatric Spine .......................................................... Erin Simon Schwartz, MD
8:45 – 9:00 AM Diffusion Imaging of the Pediatric Spine .......................................................... Susan Palasis, MD
9:00 – 9:15 AM Cervico-Vertebral Junction: Significance of Lines and Angles in Surgical Planning .......................................................... Sangam G. Kanekar, MD
9:15 – 9:30 AM Tumors of the Pediatric Spine .......................................................... Laura J. Hayes, MD
9:30 – 9:45 AM Pediatric Spine Trauma and Its Mimics .......................................................... Pia Maly Sundgren, MD, PhD (ESNR)
9:45 – 10:00 AM Question and Answer Session .......................................................... Faculty
10:00 – 10:30 AM Refreshment Break / Visit Exhibits

Interventional Session II: Advanced Interventional Spine Procedures
Moderators: Joshua A. Hirsch, MD, FACR, FSIR and Johann W. Van Goethem, MD, PhD

10:30 – 10:45 AM Regenerative Medicine: PRP, Stem Cells, and the Future .......................................................... Christopher R. Hancock, MD
10:45 – 11:00 AM Neuromodulation: Epidural and Peri neural Approaches .......................................................... Alan L. Brook, MD, FSIR
11:00 – 11:15 AM Percutaneous Fusion Techniques .......................................................... Luigi Manfre, MD (ESNR)
11:15 – 11:30 AM Cryoablation and Radiofrequency Ablation in the Spine and Sacrum .......................................................... Mario Muto, MD (ESNR)
11:30 – 11:45 AM Percutaneous Discectomy: Indications, Techniques and Outcomes .......................................................... John D. Barr, MD
11:45 – 12:00 PM Question and Answer Session .......................................................... Faculty

Diagnostic Session II: The Valued Spine Imaging Report and Imaging Protocols
Moderators: Adam E. Flanders, MD and Bohdan W. Chopko, MD, PhD

10:30 – 10:45 AM The Structured Spine Imaging Report .......................................................... Adam E. Flanders, MD
10:45 – 11:00 AM What to Say (and not) in the Spine Imaging Report: Surgeon’s Perspective .......................................................... Bohdan W. Chopko, MD, PhD
11:00 – 11:15 AM Medicolegal Implications of Terms in Trauma .......................................................... Gregory E. Punch, MD
11:15 – 11:30 AM Spine Imaging Reports .......................................................... Ryan D. Murtagh, MD
11:30 – 11:45 AM Imaging of Deformity: Review and Updates .......................................................... Gregory E. Punch, MD
11:45 – 12:00 PM Question and Answer Session .......................................................... Faculty
### Special Joint Session 4: Multidisciplinary Case Management Conference

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Moderators</th>
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<tbody>
<tr>
<td>3:30 – 5:00 PM</td>
<td>Multidisciplinary Case Management Conference</td>
<td>Kent B. Remley, MD (Chair); David W. Polly Jr., MD; Heidi Prather, DO (NASS); Jeffrey S. Ross, MD; Jeffrey A. Stone, MD; FACR; Johan W. Van Goethem, MD; Wade H.M. Wong, DO; FACR; FAOCR; &amp; Gregg H. Zoarski, MD</td>
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### Special Joint Session 5: Operative Spine: Preop / Postop Evaluation and Imaging

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Moderators</th>
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<tr>
<td>9:45 – 10:00 AM</td>
<td>Question and Answer Session</td>
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<td>10:00 – 10:15 AM</td>
<td>Refreshment Break / Visit Exhibits</td>
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<td>10:15 – 10:30 AM</td>
<td>Gold Medal Lecture</td>
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### Interventional Session III: The “Joint”

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<th>Time</th>
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<th>Moderators</th>
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<tr>
<td>10:30 – 10:45 AM</td>
<td>SJ Joint: Percutaneous Injection and Fusion Techniques</td>
<td>Keith E. Kortman, MD; A. Orlando Ortiz, MD, MBA, FACR and Keith E. Kortman, MD</td>
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<tr>
<td>10:45 – 11:00 AM</td>
<td>Advanced Vertebral and Sacral Augmentation: New Horizons</td>
<td>A. Orlando Ortiz, MD, MBA, FACR</td>
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<td>11:00 – 11:15 AM</td>
<td>Facet Joint Synovial Cyst: Imaging Diagnosis and Percutaneous Treatment</td>
<td>John J. McIntyre, MD; Kent B. Remley, MD</td>
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<td>11:15 – 11:30 AM</td>
<td>Degenerative Spondylolisthesis and Minimally Invasive Surgical Treatment</td>
<td>Lubdha M. Shah, MD</td>
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<tr>
<td>11:30 – 11:45 AM</td>
<td>Facet Joint Evaluation and Denervation</td>
<td>Jeffrey A. Stone, MD; FACR</td>
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<td>11:45 – 12:00 PM</td>
<td>Question and Answer Session</td>
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### Diagnostic Session III: Advanced Imaging Techniques

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<th>Time</th>
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<tr>
<td>10:30 – 10:45 AM</td>
<td>MR Perfusion of Spine Metastases</td>
<td>Andrei I. Holodny, MD</td>
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<td>10:45 – 11:00 AM</td>
<td>DTI and fMRI of Spinal Cord</td>
<td>Meng Law, MD; MBBS, FRACR</td>
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<td>11:00 – 11:15 AM</td>
<td>DWI of Spine and Spinal Cord</td>
<td>Puneet S. Pawha, MD</td>
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<td>11:15 – 11:30 AM</td>
<td>MR Imaging of the Brachial Plexus</td>
<td>Carlos H. Torres, MD</td>
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<td>11:30 – 11:45 AM</td>
<td>Dynamic and Axial Load Imaging</td>
<td>John L. Go, MD</td>
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<td>11:45 – 12:00 PM</td>
<td>Question and Answer Session</td>
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### Joint Session 6: Oncologic Imaging and Interventional Procedures

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<tr>
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<tr>
<td>8:00 – 8:30 AM</td>
<td>KEYNOTE: Oncology: The New Frontier for the Spinal/Pain Interventionist</td>
<td>Wade H.M. Wong, DO; FACR; FAOCR and Jack W. Jennings, MD, PhD</td>
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<tr>
<td>8:30 – 8:45 AM</td>
<td>MR Perfusion of the Spine Metas: Implications for Treatment and Response to Therapy</td>
<td>Andrei I. Holodny, MD</td>
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<tr>
<td>8:45 – 9:00 AM</td>
<td>Tumor Ablation and Vertebral Augmentation for Spinal Tumors</td>
<td>Jack W. Jennings, MD, PHD</td>
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<tr>
<td>9:00 – 9:15 AM</td>
<td>Endovascular Treatment of Spinal Vascular Malformations</td>
<td>Huy M. Do, MD</td>
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<tr>
<td>9:15 – 9:30 AM</td>
<td>Boot Camp Series: Intra-Axial and Intra Dural Spine Tumors</td>
<td>M. Judith Donovan Post, MD; FACR</td>
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<tr>
<td>9:30 – 9:45 AM</td>
<td>Imaging of Lymphoproliferative Disorders: Plasma Cell Tumors, Lymphoma and Leukemia</td>
<td>Wende N. Gibbs, MD</td>
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<tr>
<td>9:45 – 10:00 AM</td>
<td>Question and Answer Session</td>
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<tr>
<td>10:00 – 10:30 AM</td>
<td>Refreshment Break / Visit Exhibits</td>
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### Joint Session 7: ACR, Legislative and Reimbursement Update

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Moderators</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 – 10:45 AM</td>
<td>ABR Co-Sponsorship of the Pain Management Certificate</td>
<td>Robert D. Zimmerman, MD; FACR and Frederick E. Weiss, MD; PT; DPT; RSKS</td>
</tr>
<tr>
<td>10:45 – 11:00 AM</td>
<td>Update on Billing and Coding: Impact of ICD 10</td>
<td>Joseph C. Sullivan, MD</td>
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<tr>
<td>11:00 – 11:15 AM</td>
<td>Impact of Health Services Research in the Future of Spinal Radiology and Spine Procedures</td>
<td>Pina C. Sanelli, MD; MPH; FACR</td>
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<tr>
<td>11:15 – 11:30 AM</td>
<td>Highlights of 2015 Spine Imaging Literature</td>
<td>Anandh G. Rajarmanoh, MD</td>
</tr>
<tr>
<td>11:30 – 11:45 AM</td>
<td>CPT/RUC/MIPS/APMs — The Acronyms a Spine Radiologist Needs to Know</td>
<td>Joshua A. Hirsch, MD; FACR; FSIR</td>
</tr>
<tr>
<td>11:45 – 12:00 AM</td>
<td>Question and Answer Session</td>
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<tr>
<td>12:00 PM</td>
<td>2016 ANNUAL SYMPOSIUM CONCLUDES</td>
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**American Society of Spine Radiology**

**2016 Annual Symposium**

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**SELECT YOUR REGISTRATION STATUS:** Please photocopy this registration form for additional registrants.

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<tr>
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<th>On / Before 1/19/16</th>
<th>After 1/19/16</th>
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<tbody>
<tr>
<td>ASSR Member</td>
<td>$575</td>
<td>$625</td>
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<tr>
<td>*New Membership Application + Registration (Best Value! – get immediate member benefits and registration discount)</td>
<td>$675</td>
<td>$725</td>
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<tr>
<td>ASN Member (non-ASSR member)</td>
<td>$725</td>
<td>$750</td>
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<tr>
<td>Non-ASSR Member / Non-ASNR Member</td>
<td>$825</td>
<td>$875</td>
</tr>
<tr>
<td>☐ Resident</td>
<td>☐ Fellow</td>
<td>☐ Military</td>
</tr>
<tr>
<td>Member Invited Faculty/Moderator (This category does not apply to Scientific Paper presenters)</td>
<td>$265</td>
<td>$315</td>
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**One electronic syllabus will be provided with each Symposium registration.**

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