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!

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.
I am proud to announce that the American Society of Spine Radiology (ASSR) 2016 Annual Symposium will be held from February 18 – 21 (Presidents’ Week) in sunny and warm Bonita Springs, Florida. The Symposium, the World’s premier spine imaging and interventional procedures conference, will be held at the recently renovated and upscale Hyatt Regency Coconut Point Resort and Spa.

The Hyatt Regency Coconut Point Resort and Spa is a family-friendly tropical paradise located near Fort Myers that offers casual elegance and southern hospitality with stunning views of the Gulf Coast and its private Big Hickory Island Beach. Features of the resort include: Stillwater Spa, Family pool with 140-foot corkscrew water slide, Raymond Floyd designed 18-hole Raptor Bay golf course and club, Camp Hyatt for kids, and 24-hour Stay Fit gym. There are many local attractions to keep the family happy including fine dining, the Shops at Coconut Point with movie theaters, Boston Red Sox and Minnesota Twins Spring training ballparks, Everglades National Park, Naples Zoo, and a Children’s Museum.

The theme of the Symposium is “Multidisciplinary Patient-Centered Approach: Synergy of Imaging and Procedures in the Accurate Diagnosis and Treatment of Spinal Disorders.” The ASSR Program Committee has created an outstanding and innovative multidisciplinary program given by World-recognized national and international faculty that offers an exciting blend of topics in diagnostic spine imaging and Image guided spine procedures.

In addition to the excellent didactic program and Keynote lectures, the Symposium will offer SAM sessions to fulfill MOC requirements. There will be new speakers with cutting edge content. The hope is to provide an engaging curriculum for all attendees.

Internationally known Keynote speakers will give visionary and cutting edge lectures. Keynote speakers include: Michael T. Modic, MD (Cleveland Clinic Foundation); Wade H.M. Wong, DO (UCSD); Kieran P.J. Murphy, MD (Toronto General Hospital); Jeffrey S. Ross, MD (Mayo Clinic-Phoenix); and Charles Raybaud, MD (Hospital for Sick Children).

The new Boot Camp Series of lectures will appeal to general radiologists who interpret spine imaging studies and physical therapists looking to get basic training. The ASSR will present Boot Camp Series lectures performed by top experts in the field. The ASSR will also present SAM sessions on Pediatric Spine Imaging headed by a Keynote lecture on the Chiari I Malformation. Our international colleagues from the ESNR will contribute World-class speakers and exciting content.

ABOUT THE SYMPOSIUM

The ASSR 2016 Annual Symposium will provide a forum for pre- sentation and discussion of developments in spine radiology and spine interventions. Keynote addresses and topicaly 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 abstract sessions will present new and exciting investigations in spine research. Young investigators can submit their original work for consideration in the Louis A. Glilia, M.D. Mentor Award Program, or compete for awards in either the best scientific paper or electronic education 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 therapies, 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 injections, percutaneous therapy, pain management and oncology (when applicable) in achieving best practice comprehensive multidisciplinary spine care.

Breakfast & Lunch 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 physicians 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 afflict the spine, including 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.

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).

REGISTRATION INFORMATION

Registration includes all course materials, including a comprehensive electronic course syllabus, continental breakfasts and coffee breaks, Breakfast & Lunch 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. Please be sure to include your MasterCard, VISA, American Express or Discover information, including signature and expiration date. This is all that is necessary; please do not mail a duplicate form.

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.iicme.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. The material presented by the meeting organizer is limited to a refund of the registration fee.
2015-2016 PROGRAM COMMITTEE

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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

11:00 – 11:15 AM Neurology and Physical Exam of the Spine
11:15 – 11:30 AM Neuropathic Pain and Pain Syndromes

10:30 – 10:45 AM Building a New Service Line: The Spine Clinic
9:15 – 9:30 AM Interventional Procedures for Spinal Stenosis and Nerve Compression
8:45 – 9:00 AM Grading Systems for Stenosis and Root Compression: What Does It Mean?

7:15 – 7:45 AM Breakfast & Learn Session -TBD (non-accredited)

THURSDAY, FEBRUARY 18, 2016

10:00 – 10:30 AM Refreshment Break / Visit Exhibits
9:45 – 10:00 AM Question & Answer Session
11:00 – 11:15 AM Percutaneous Fusion
11:15 – 11:30 AM Syringomyelia and other Cystic Lesions
11:15 – 11:30 AM Vascular Lesions of the Spine and Spinal Cord

JOINT SESSION I: SPINAL STENOSIS AND DEGNERATION • 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
8:30 – 8:45 AM Boot Camp Series: Radiographic Anatomy of the C/T/L Spine
8:45 – 9:00 AM Grading Systems for Stenosis and Root Compression: What Does It Mean?
9:00 – 9:15 AM Lower Back Pain Patients with Spinal Stenosis: Evaluation and Treatment Outside an Operating Room
9:15 – 9:30 AM Interventional Procedures for Spinal Stenosis and Nerve Compression
9:30 – 9:45 AM Alternative Etiologies of Low Back Pain - Psychological and Integrative Medicine Approaches
9:45 – 10:00 AM Question & Answer Session

10:00 – 10:30 AM Registration and Continental Breakfast for Registrants
10:30 – 11:15 AM Interventional Session I:
Clinical Evaluation of the Spine Patient: Moving Toward Pain Medicine Certification
Moderators: Gregg H. Zorzsaki, MD and Frederick Weiss, MD, PT, DPT, RSMK

10:30 – 11:15 AM Interventional Session II:
Advanced Interventional Spine Procedures
Moderators: Joshua A. Hirsch, MD, FACR, FSIR and Johan W. Van Goethem, MD, PhD

10:30 – 11:15 AM Regenerative Medicine: PRP, Stem Cells, and the Future
10:45 – 11:00 AM Neuromodulation: Epidural and Peri-Perineal Techniques
11:00 – 11:15 AM Percutaneous Discectomy: Indications, Techniques and Outcomes

11:15 – 12:00 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. Zoharian, MD

1:00 – 1:30 PM KEYNOTE: MR in Spine Trauma
1:30 – 1:45 PM Boot Camp Series: High Resolution CT in Spine Trauma
1:45 – 2:00 PM A Spinal Cord Injury Neurologist’s Perspective on Acute C-Spine Trauma: What You Need to Know
2:00 – 2:15 PM DTI of Spinal Cord Injury
2:15 – 2:30 PM Whiplash and Mild Cervical Spine Trauma: Can Imaging Help to Triage and Assess Patients?
3:00 – 3:30 PM Spine Imaging Reports
3:30 – 3:45 PM Spine Imaging Reports
3:45 – 4:00 PM Spine Imaging Reports
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 Palasiz, MD

8:00 – 8:30 AM KEYNOTE: The Chiari I Malformation
8:30 – 8:45 AM Boot Camp Series: How to Approach the Pediatric Spine
8:45 – 9:00 AM Diffusion Imaging of the Pediatric Spine
9:00 – 9:15 AM Cervico-Vertebral Junction: Significance of Lines and Angles in Surgical Planning
9:15 – 9:30 AM Tumors of the Pediatric Spine
9:30 – 9:45 AM Pediatric Spine Trauma and Its Mimics
9:45 – 10:00 AM Question and Answer Session
10:00 – 10:30 AM Refreshment Break / Visit Exhibits

10:30 – 11:15 AM Interventional Session II:
Advanced Interventional Spine Procedures
Moderators: Joshua A. Hirsch, MD, FACR, FSIR and Johan W. Van Goethem, MD, PhD

10:30 – 11:00 AM The Valued Spine Imaging Report and Imaging Protocols
Moderators: Adam E. Flanders, MD and Bohdan W. Chopko, MD, PhD

10:30 – 11:00 AM What to Say (and not) in the Spine Imaging Report:
Moderators: Adam E. Flanders, MD, Keith E. Kortman, MD, Gregory J. Lawler, MD, A. Orlando Ortiz, MD, MBA, FACR, Kent B. Remley, MD

11:00 – 11:15 AM Medicolegal Implications of Terms in Trauma
11:15 – 11:30 AM Imaging of Deformity:  Review and Updates
11:30 – 12:00 PM How to Approach the Pediatric Spine

12:00 – 1:00 PM Lunch and Learn Session -TBD (non-accredited) or Lunch On Your Own

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12:00 – 1:00 PM Lunch and Learn Session -TBD (non-accredited) or Lunch On Your Own
### FRIDAY, FEBRUARY 19, 2016

12:00 – 1:00 PM  
Lunch and Learn Session - TBD (non-accredited) or Lunch On Your Own

1:00 – 3:00 PM  
Interventional Non-Mentor Papers  
Moderators: John D. Barr, MD and Richard Silbergleit, MD, MBA

1:00 – 3:00 PM  
Diagnostic Non-Mentor Papers  
Moderators: Allison M. Grayev, MD and John L. Go, MD

3:00 – 3:30 PM  
Refreshment Break / Visit Exhibits

### SPECIAL JOINT SESSION 4: MULTIDISCIPLINARY CASE MANAGEMENT CONFERENCE

3:30 – 5:00 PM  
Multidisciplinary Case Management Conference  
Moderator: 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, & Gregg H. Zoarski, MD

4:00 – 6:00 PM  
Workshop II – Topic & Faculty: -TBD (non-accredited)

5:00 – 6:00 PM  
Cocktail Hour

### SATURDAY, FEBRUARY 20, 2016

7:00 – 8:00 AM  
Continental Breakfast for Registrants

7:15 – 7:45 AM  
Breakfast & Learn Session -TBD (non-accredited)

8:00 – 8:30 AM  
**KEYNOTE:** How Do We Re-Energize Spine Intervention? - Re-Introducing Innovation Into Our Field  
Kieran P.J. Murphy, MD, FRCP

8:30 – 8:45 AM  
Lost Art Series: Performance and Interpretation of Formal Myelography and Discography  
Richard Silbergleit, MD, MBA

8:45 – 9:00 AM  
Lost Art Series: Clinical Value of Myelography and Discography: A Spine Surgeon’s Perspective  
David W. Polly, Jr., MD

9:00 – 9:15 AM  
Interventional Pain Management in Failed Back Surgery Syndrome  
Bassem A. Georgy, MD

9:15 – 9:30 AM  
Post-Operative Spine Imaging  
Lubdha M. Shah, MD

9:30 – 9:45 AM  
Imaging of Hardware: Devices and Improved MR Protocols  
Alyssa T. Watanabe, MD

9:45 – 10:00 AM  
Question and Answer Session  
Faculty

10:00 – 10:15 AM  
Refreshment Break / Visit Exhibits

10:15 – 10:30 AM  
Gold Medal Lecture  
Moderator: (TBD)

### JOINT SESSION 5: THE OPERATIVE SPINE: PREOP / POSTOP EVALUATION AND IMAGING

8:00 – 8:15 AM  
Endovascular Treatment of Spinal Vascular Malformations  
Keith E. Kortman, MD

8:15 – 8:30 AM  
MR Perfusion of the Spine Mets: Implications for Treatment and Response to Therapy  
Anandh G. Rajamohan, MD

8:30 – 8:45 AM  
Advanced Vertebro and Sacral Augmentation: New Horizons  
Orlando Ortiz, MD, MBA, FACR

8:45 – 9:00 AM  
Facet Joint Synovial Cyst: Imaging Diagnosis and Percutaneous Treatment  
John J. McIntyre, MD

9:00 – 9:15 AM  
Degenerative Spondylothesis and Minimally Invasive Surgical Treatment Options  
Kent B. Remley, MD

9:15 – 9:30 AM  
Facet Joint Evaluation and Denervation  
Jeffrey A. Stone, MD, FACR

9:45 – 10:00 AM  
Question and Answer Session  
Faculty

10:00 – 1:00 PM  
Lunch and Learn Session -TBD (non-accredited) or Lunch On Your Own

1:00 – 1:45 PM  
ASSR Annual Business Meeting (ASSR Members Only)

2:00 – 3:00 PM  
Mentor Paper Session  
Moderators: J. Levi Chazen, MD and Lubdha M. Shah, MD

3:00 – 3:30 PM  
“Power Pitch” of Exhibits Session  
Moderators: J. Levi Chazen, MD and Lubdha M. Shah, MD

3:30 – 5:00 PM  
Workshop III – Topic & Faculty -TBD (non-accredited)

6:00 – 9:00 PM  
Closing Party

### SUNDAY, FEBRUARY 21, 2016

7:00 – 8:00 AM  
Continental Breakfast for Registrants

### JOINT SESSION 6: ONCOLOGIC IMAGING AND INTERVENTIONAL PROCEDURES

8:00 – 8:15 AM  
**KEYNOTE:** Oncology: The New Frontier for the Spinal/Pain Interventionist  
Wade H.M. Wong, DO, FACR, FAOCR

8:15 – 8:30 AM  
MR Perfusion of the Spine Mets: Implications for Treatment and Response to Therapy  
Andrei I. Holodny, MD

8:30 – 8:45 AM  
MR Perfusion of Spine Metastases  
Andrei I. Holodny, MD

8:45 – 9:00 AM  
DTI and fMRI of Spinal Cord  
Meng Law, MD, MBBS, FRACR

9:00 – 9:15 AM  
DWI of Spine and Spinal Cord  
Puneet S. Pawha, MD

9:15 – 9:30 AM  
MR Imaging of the Brachial Plexus  
Carlos H. Torres, MD

9:30 – 9:45 AM  
Dynamic and Axial Load Imaging  
John L. Go, MD

9:45 – 10:00 AM  
Question and Answer Session  
Faculty

10:00 – 10:15 AM  
Refreshment Break / Visit Exhibits

### JOINT SESSION 7: ACR, LEGISLATIVE AND REIMBURSEMENT UPDATE

10:30 – 10:45 AM  
ABR Co-Sponsorship of the Pain Management Certificate  
Robert D. Zimmerman, MD, FACR and Frederick E. Weiss, MD, PT, DPT, RSMK

10:45 – 11:00 AM  
Update on Billing and Coding: Impact of ICD 10  
Joseph C. Sullivan, MD

11:00 – 11:15 AM  
Impact of Health Services Research in the Future of Spine Radiology and Spine Procedures  
Pina C. Sanelli, MD, MPH, FACR

11:15 – 11:30 AM  
Highlights of 2015 Spine Imaging Literature  
Anandh G. Rajamohan, MD

11:30 – 11:45 AM  
CPT/RUC/MIPS/APMs — The Acronyms a Spine Radiologist Needs to Know  
Joshua A. Hirsch, MD, FACR, FSIR

11:45 – 12:00 AM  
Question and Answer Session  
Faculty

12:00 PM  
2016 ANNUAL SYMPOSIUM CONCLUSES
# Registration Form:

**American Society of Spine Radiology**
**2016 Annual Symposium**

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

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<th>Status</th>
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<th>After 1/19/16</th>
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<td>ASSR Member</td>
<td>❑ $575</td>
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<td>*New Membership Application + Registration</td>
<td>❑ $675</td>
<td>❑ $725</td>
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<td>(Best Value! – get immediate member benefits and registration discount)</td>
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<td>❑ $875</td>
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<tr>
<td>❑ Resident† ❑ Fellow† ❑ Military† ❑ Physician’s Assistant ❑ Technologist ❑ Retired</td>
<td>❑ $250</td>
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<td>❑ $265</td>
<td>❑ $315</td>
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*For an ASSR membership application, log on to: www.TheASSR.org/join-assr

† Must enclose letter from your Program Director certifying status.

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**One electronic syllabus will be provided with each Symposium registration.**

**GUEST FEE:** Family members and friends, ages 12 years and older, who wish to attend social functions which included the Welcome Reception, Continental Breakfasts and the Closing Party must register.

Guests Name(s)

Even though you do not need to register anyone under 12 years of age, please let us know how many in the age category will accompany you. # ______

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**How to Register:**

**WE ACCEPT:**
- MasterCard
- Visa
- American Express
- Discover

**INTERNET:** www.iicme.com

**MAIL:** Check payable to ASSR 2016
Mail to: International Institute for Continuing Medical Education, Inc., P.O. Box 350, Springville, AL 35146

**PHONE:** 205-467-0290
**FAX:** 205-467-0195

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The International Institute for Continuing Medical Education, Inc. wishes to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently than other individuals because of the absence of auxiliary aids or services. If you need any auxiliary aids or services identified in the Americans with Disabilities Act, please indicate so on your registration form.

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**Office Use Only**

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Remember to identify yourself as a registrant of the ASSR 2016 Annual Symposium in order to qualify for the special discounted group room rate.

Make your reservations as soon as possible as our room block may sell out prior to the cut-off date of SATURDAY, JANUARY 16, 2016. After this date, reservations will be accepted at the discretion of the hotel, on a space and rate available basis.

Room rate is subject to applicable state and local taxes (which are currently 11%). Daily resort fee of $10.00 will be added to your rate and includes: basic wired & wireless high-speed internet access in guest rooms, two bottles of water each day in your guestroom, unlimited local telephone calls from your guestroom, ferry transportation to the resort’s secluded island, beach chairs and umbrellas at the resort’s beach, rock climbing wall, bicycle rentals, resort trolley transportation, self-parking, DVD rentals, 24-hour fitness center access and golf bag storage. Reservations must be made on or before cut-off date.
American Society of SPINE RADIOLOGY
2016 Annual Symposium
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Presidents’ Week
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BONITA SPRINGS, FLORIDA
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