



February 21 – 24, 2013

JW Marriott Camelback Inn Scottsdale Resort & Spa Scottsdale, Arizona 23 AMA PRA Category 1 Credit(s)™





About The Symposium

The American Society of Spine Radiology 2013 Annual Symposium provides a forum for presentation and discussion of new and important developments in spine radiology. Keynote addresses and topically organized focus sessions concentrate on various aspects of diagnostic and interventional spine techniques. Nationally and internationally recognized experts will share their experiences through didactic lectures, discussions, case-based reviews, and hands-on workshops. Scientific sessions will address the newest applications and techniques in spine imaging and intervention, while electronic posters and abstract sessions will present new and exciting investigations in spine research. Young investigators can submit their original work for consideration in the Mentor Award Program, or compete for awards in either the best scientific paper or electronic poster presentation.

Diagnostic Spine Sessions will highlight the latest in MR and CT imaging advances, stressing their practicality in everyday imaging as well as the potential for future clinical applications. Interventional Spine Sessions will be interspersed with hands-on workshops so that participants will have the opportunity to hone their spine interventional skills.

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

Afternoon hands-on workshops will highlight vertebral augmentation, spinal stimulators, and many percutaneous injections that help lessen back pain.

Symposium Features

- The ASSR will be celebrating its 20th anniversary. The first-ever Gold Medal will be awarded. This will honor a clinician who has made significant contributions to the field of spine radiology, and enhanced the scientific development, and stature of this field.
- Special keynote lectures and past president forums will enhance the overall education of all who attend.
- In addition, collaboration with other clinical societies such as the North American Spine Society will be highlighted.

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. 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

Information

For more information or questions regarding the Symposium, please contact Sarina Marchetta at smarchetta@edusymp.com or 813-806-1010.

Accreditation

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 Educational Symposia and the American Society of Spine Radiology. Educational Symposia is accredited by the ACCME to provide continuing medical education for physicians.

Educational Symposia designates this live educational activity for a maximum of 23 AMA PRA Category 1 Credit(s)TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Registration Information

Registration includes all course materials, including a comprehensive course syllabus (Printed syllabus or E-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 25, 2013. Cancellations must be received in writing. A \$75.00 processing fee will be applied to all cancellations. Refunds requested in writing prior to January 25, 2013 will be issued for the amount of registration fee paid less the \$75.00 processing fee. No refunds will be made on or after that date.

Educational Objectives

Attendees should, at the completion of this symposium, 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.
- · Compare current spine interventional and surgical techniques and understand the latest technology, data and controversies in spine intervention.
- Review and understand the variety of diverse pathology that affects the spine, including congenital, degenerative, infectious/inflammatory, neoplastic, traumatic, and vascular conditions.

No special educational preparation is required for this CME activity.

2012 - 2013 **Program Committee**

Program Chair

Allan L. Brook, M.D., FSIR

Program Co-Chairs

Adam E. Flanders, M.D. Meng Law, M.D., MBBS, FRACR

Program Committee

Charles H. Cho, M.D., MBA Louis A. Gilula, M.D., FACR, DABR Victor M. Haughton, M.D. Johan W.M. Van Goethem, M.D., Ph.D.

Special Note for the Disabled



Educational Symposia (ESI) and the American Society of Spine Radiology wish to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently from other individuals because of the absence of auxiliary aids and services. If you need any auxiliary aids or services identified in the Americans with Disabilities Act, please contact ESI at (800) 338-5901 or (813) 806-1000.

Disclaimer

Educational Symposia (ESI) and the American Society of Spine Radiology as planners and presenters of this meeting, and Professional Travel as the official travel agency for 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 total amount of liability, if any, for the meeting organizers is limited to a refund of the registration fee, and Professional Travel's responsibility is limited to that of an agent.

INVITED FACULTY



Scripps Memorial Hospital La Jolla, CA

Walter S. Bartynski, M.D.

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Montefiore Medical Center

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ASL Cagliari, SS. Trinita Hospital Cagliari, Italy

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Centers for Advanced Imaging Roanoke, VA

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William C. Watters, III, M.D.

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University of California, San Diego San Diego, CA

Gregg H. Zoarski, M.D.

Christiana Care Health System Newark, DE

PROGRAM SCHEDULE

WEDNESDAY, FEBRUARY 20, 2013

4:00-6:00 PM Registration for Attendees and Guests

THURSDAY, FEBRUARY 21, 2013

7:00 – 8:00 AM CONTINENTAL BREAKFAST FOR REGISTRANTS AND REGISTERED GUESTS

7:55 — 8:00 Welcome: Allan L. Brook, M.D., FSIR, ASSR President



7:55 - 8:00	Welcome: Allan L. Brook, M.D., FSIK, ASSK President				
	JOINT SESSION 1: IMAGING THE SPINAL CORD A Moderators: Allan L. Brook, M.D., FSIR at				
8:00 - 8:45	KEYNOTE ADDRESS: Spinal Cord Imaging: From the Beginning to the End and Problems Along	the Way			
8:45 - 9:05					
9:05 - 9:25	MRI Patterns in Spinal Cord Pathologies	Majda M. Thumher, M.D.			
9:25 - 9:45	Spinal Dural Leaks: Diagnosis and Treatment		Franklin G. Moser, M.D., M.M.M., FACR		
9:45 - 10:15	Radiology and Pathology of Nerve Roots and Plexi				
10:15 - 10:30	Discussion INTERVENTIONAL SESSION 1: SPINAL STENOSIS:				
10:30 - 10:45	COFFEE BREAK FOR REGISTRANTS & VISIT TECHNICAL EXHIBITS WHAT THE INTERVENTIONAL WORLD CAN OFFER! Moderators: Kieran P.J. Murphy, M.D., FRCPC, FSIR & Jeffrey A. Stol				
10:45 - 11:05 11:05 - 11:25 11:25 - 11:45 11:45 - 12:05 PM 12:05 - 12:25 12:25 - 12:30	OSTIC SESSION 1: THE DISC: FUNCTIONAL SCIENCE IND FUTURE THERAPEUTIC CONSIDERATIONS derators: Walter S. Bartynski, M.D. and Todd Miller, M.D. Disc Degeneration: Imaging Clinical Implications	10:45 - 11:00 11:00 - 11:15 11:15 - 11:30 11:30 - 11:45 11:45 - 12:00 PM 12:00 - 12:15 12:15 - 12:30	Facet and Sacroiliac RFA: Evidence and Indications		
12:30	END OF SESSION	12:30	END OF SESSION		
12:35 – 12:45	PICK UP BOXED LUNCH FOR LUNCH & LEARN	12:35 – 12:45	PICK UP BOXED LUNCH FOR LUNCH & LEARN		
12:45 – 1:45	LUNCH & LEARN — Topic & Faculty — TBD (not accredited for <i>AMA PRA Category 1 Credit(s)</i> TM ,				
2:00 - 2:30	KEYNOTE ADDRESS: Osteoporosis: A Lesson From the Expert				
	DIAGNOSTIC SESSION 2: TRAUMA & VASCULAR Moderators: Alexandra Confest M.D. and Richard Silbergleit M.D. ARA MORE THAN THE BASICS				

2:30 - 2:50

2:50 - 3:10

3:10 - 3:303:30 - 3:50

3:50 - 4:00

4:00

Discussion **END OF SESSION**

Moderators: Alessandro Cianfoni, M.D. and Richard Silbergleit M.D., MBA

derators. Alessariaro Giarriorii, Ivi.D. aria Alcriara Silbergieli Ivi.D., IvidA

2:30 - 2:50	Clearance of the Cervical Spine: The Surgeon Perspective Abhay K. Varma, MBBS, MCh, MSCR
2:50 - 3:10	The Bones: Best Methods CT vs. Plain Films (Do They Have a Role?) Alessandro Cianfoni, M.D.
3:10-3:30	The Soft Tissues: Best Imaging and is it Worth the Attention?
3:30 - 3:50	Trauma Evaluation: CTA, MRA and DSA - My Method and WhyMichele H. Johnson, M.D., FACR
3:50-4:00	Discussion
4:00	END OF SESSION
4:00 - 6:00	$\label{eq:workshop-Topic & Faculty-TBD} \ (\text{not accredited for \textit{AMA PRA Category 1 Credit(s)}}^{\text{TM}})$

1.50 0.00 Holicone December 4 to 10 to 10

6:15 — 7:45 WELCOME RECEPTION for Registrants and Registered Guests

FRIDAY, FEBRUARY 22, 2013

7:00 - 8:00 AM CONTINENTAL BREAKFAST FOR REGISTRANTS AND REGISTERED GUESTS

7:00 - 0:00 AIN	CONTINENTAL DREAKFAST FOR REGISTRANTS AND REGISTERED GUESTS				
7:25 - 7:55	BREAKFAST AND LEARN — Topic & Faculty — TBD (not accredited for AMA PRA Category 1 Credit(s) $^{\text{IM}}$)				
JOINT SESSION 2: ONCOLOGY Moderators: Allan L. Brook, M.D., FSIR and Joshua A. Hirsch, M.D., FACR, FSIR					
	Woderators. Allar E. Drook, W.D., Fain and Joshda A. Hilsch, W.D., FACH, Fain				
8:00 - 8:45	KEYNOTE ADDRESS: Basic Science Keynote — NEXT Wave of Cancer Diagnosis and Therapy				
8:45 - 9:05	Spinal Imaging of the Bone Tumors: Subtleties Made Easy				
Treatment of Spine Neoplasia: Perspectives of the Spine Oncologic Surgeon, Radiation Oncologist and the Role of the Interventional Radiologist: An Established Advanced Spine Tumor Board					
9:05 - 9:35	Surgical Perspective of Spine Neoplasia Treatment				
9:35 - 10:05	Radiation Therapy: Advanced Techniques for Spine Neoplasia				
10:05 - 10:30	Role of Interventional Radiologist				

10:30 – 10:45 COFFEE BREAK FOR REGISTRANTS & VISIT TECHNICAL EXHIBITS

DIAGNOSTIC SESSION 3: INFECTION & INFLAMMATION Moderators: John L. Go, M.D. and Alyssa T. Watanabe, M.D.				
10:45 - 11:00	Facet Anatomy and Synovitis			
11:00 - 11:20	Inflammatory Arthritis and Degenerative Disease Johan W.M. Van Goethem, M.D., Ph.D.			
11:20 - 11:40	Spinal Infections: Diagnosis and Organizational Pearls			
11:40 - 12:00 PM	MS and Immune Disease of the Spinal Cord			
12:00 - 12:20	The Radiologist's Role in Neck and Back Pain Management			
12:20 - 12:30	Discussion			
12:30	END OF SESSION			

	INTERVENTIONAL SESSION 3: COMPLETE ABLATION SYMPOSIUM					
Moderators: Bassam A. Georgy, M.D. and Jack W. Jennings, M.D., Ph.D.						
10:45 - 11:00	Spine Biopsy Basics & Insights					
11:00 - 11:20	Ablation Science & Safety: RFA, Coblation, Cryoblation,					
	Laser and Beyond					
11:20 - 11:40	Interventional Ablation: Current Indications for Cancer					
	Palliation or for Local Control					
11:40 - 11:50	Novel Agents for Local Cure Mixed with PMMA: Historical Facts and					
	What is the Vision and Reality Going Forward?					
11:50 - 12:20 PM	PANEL: Case Presentations - Approach to Treatment of Spine Metastases: Clinical Variables					
	that Drive Decision Making in Treatment Paradigms in Spine Metatasis					
	Allan L. Brook, M.D., FSIR; Afshin Gangi, M.D., Ph.D.; Bassem A. Georgy, M.D. and Travis J. Hillen, M.D.					
12:20 - 12:30	Discussion					
12:30	END OF SESSION					

FRIDAY, FEE	BRUARY 22, 2013 (Continued)	
12:30 - 12:40	PICK UP BOXED LUNCH FOR LUNCH & LEARN	
12:40 - 1:40	LUNCH & LEARN — Topic & Faculty — TBD (not accredited for <i>AMA PRA Category 1 Credit(s)</i> TM)	
1:45 - 3:45	SCIENTIFIC PAPERS: DIAGNOSTIC and EXCERPTAS	
1:45 — 3:45	SCIENTIFIC PAPERS: INTERVENTIONAL	ors: Louis A. Gilula, M.D., FACR, DABR and Jeffrey A. Stone, M.D.
3:45 — 5:45	Workshop — Topic and Faculty TBD (not accredited for AMA PRA Category 1 Credit(s) TM)	
5:45	END OF SESSION	
	FEBRUARY 23, 2013	
7:00 - 8:00 AM		
8:00 – 8:30 8:30 – 8:45	KEYNOTE ADDRESS: Radiation Safety — Radiation: The Real Risk to Our Patients and the Interventionalists — My Inside Scoops	Edward A. Dauer, M.D., FACK
	Discussion JOINT SESSION 3: ADVANCED IMAGING OF THE SPINE ● Moderators: Victor M. Haughton, M.D. and Me	eng Law M.D. MBRS FRACE
8:45 — 9:05	9T - High Field Spine Anatomy	
9:05 - 9:25	New Concepts of CSF Flow Studies	
9:25 - 9:45	DWI and MRS of the Spine	
9:45 - 10:05	Dynamic Imaging of the Spine	
10:05 - 10:25	New Concepts about CSF Flow I Learned in a Recent CSF Symposium with Bill Bradley	
10:25 - 10:30	Discussion	• • • • • • • • • • • • • • • • • • • •
10:30 - 10:45	COFFEE BREAK FOR REGISTRANTS & VISIT TECHNICAL EXHIBITS	
	SPECIAL SESSION: GOLD MEDAL CEREMONY AND ASSR 20TH ANNIVERSARY CEI Moderators: Allan L. Brook M.D., FSIR and A. Orlando Ortiz, M.D., MBA, FACR	LEBRATION
10:45 - 11:00	Honoree: Jeffrey S. Ross, M.D First Annual Past Presidential Forum: Economics and the Changing Tide - How Will the Imaging Spine Hold Up?	
11:00 - 11:15	Epidural Steroids: Magic or Myth?	John M. Mathis, M.D., M.Sc.
11:15 - 11:30	The Medical Legal Highway: The Trials of Dealing with an Unexpected Complication, News Media and the Legal Ramifications	Gregg H. Zoarski, M.D.
11:30 - 11:45	Economics of Back Pain in America	
11:45 — 12:00 PM	Interactions between the ASSR and the ASNR: How Each Can Help the Other	Gordon K. Sze, M.D., FACR
12:00 — 12:15	ABR Update: The Evolving "Evaluation" Process	Gregory W. Petermann, M.D.
12:15 — 12:30	Discussion	
12:30	END OF SESSION	
12:30 - 12:40	PICK-UP BOXED LUNCH FOR LUNCH & LEARN	
12:40 - 1:40 1:45 - 2:30	LUNCH & LEARN — Topic & Faculty — TBD (not accredited for <i>AMA PRA Category 1 Credit(s)™)</i> ASSR ANNUAL BUSINESS MEETING (ASSR MEMBERS ONLY) (not accredited for <i>AMA PRA Category 1 Credit(s)™)</i>	
1:45 - 2:30	ASSK ANNUAL DUSINESS MEETING (ASSK MEMDERS UNLT) (HOLD DUCLEUHED TOLD AVIA FKA CHEQOLY T CLEUH (S)***)	
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*SAM Sessions will be submitted to the ABR for approval and are subject to change.
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American Society of Spine Radiology

2013 Annual Symposium

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This landmark resort, set on 125 acres of lush desert landscape, gives guests an authentic Southwestern experience. Nestled at the base of Mummy Mountain and overlooking the famous Camelback Mountain, this is a place where luxury comes naturally. Camelback Inn was opened in 1936 by entrepreneur Jack Stewart. Marriott Hotel Corporation acquired the property in 1967 and expanded the resort from 118 to 453 guest rooms. Many other amenities were added throughout the years, as well as extensive meeting and convention facilities. From May 2007 with the re-opening in September 2008, the resort underwent a \$50 million revitalization coined as "The Legend Grows".



Arizona offers diverse and spectacular scenery that is not to be missed. From its quaint

southwestern towns and villages to its modern cities with dynamic cultural, sporting and entertainment venues, Arizona offers one of the best vacations you will find anywhere. Camelback Inn and its surrounding location offer a myriad of activities. Discover thousand-yearold ruins and the latest fashions on 5th Avenue in Old Town Scottsdale. Or if you are of the adventurous type, explore the region on horseback, by jeep, white-water raft, even hot air balloon. Many "one-of-a-kind" experiences await at Camelback Inn and around town. Accommodations are everything you'd expect and more with 453 comfortable, spacious, Pueblo-style casitas with thoughtful touches everywhere. Wherever our guests retire for the evening, they enter a luxurious, amenity-rich guestroom with French doors leading to a private patio or balcony and the glorious vistas of Camelback Inn.





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