

Thursday, November 19, 2015

Function	Plenary	PBLD	Workshop	Workshop	Workshop	Workshops	Interactive Sessions	Moderated ePoster
Room Name	Sparkle West	Fontaine	Splash 9/10/11	Splash 12	Splash 15/16	Splash 14	Splash 17/18	Splash 13
7:00 AM	Getting Started Registration in Foyer							
7:15 AM	Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café in Exhibit Hall							
7:30 AM	ASRA Presidential and Meeting Chair Welcome							
7:45 AM	ASRA Presidential and Meeting Chair Welcome							
8:00 AM	Special Lecture ASRA / ESRA / INS / AAPM / WIP / NANS Guidelines for Interventional Pain Procedures in Patients on Antiplatelets and Anticoagulants		Full-Day Special Session Ultrasound Workshop (cadaver, live model) (WS-01) Ultrasound in Pain Medicine Morning Presentations and Demonstrations TICKET	Hands-On Fluoroscopy Workshop (cadaver) (also available in Spanish) (WS-02) Techniques for Intradiscal Procedures: Biacuplasty, Discography TICKET	Hands-On Fluoroscopy Workshop (cadaver) (WS-03) Cervical Medial Branch Blocks and Radiofrequency Ablation TICKET		Ask the Expert Interactive Session (IS-01) Reading and Interpretation of Spinal Imaging: MRI, CT, SPECT, Myelogram TICKET	Moderated ePosters (MP-01)
8:15 AM								
8:30 AM								
8:45 AM								
9:00 AM								
9:15 AM								
9:30 AM								
9:45 AM								
10:00 AM	Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café		Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café					
10:15 AM	Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café		Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café					
10:30 AM	Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café		Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café					
10:45 AM	Refresher Course Neuromodulation		Hands-On Fluoroscopy Workshop (cadaver) (WS-04) Sacroiliac Joint Radiofrequency Ablation (multiple techniques) TICKET	Hands-On Fluoroscopy & Ultrasound Workshop (cadaver and live-model) (WS-05) Sympathetic Chain Nerve Blocks and Neurolytic Procedures TICKET		Ask the Expert Interactive Session (IS-02) Musculoskeletal and Neurologic Physical Examination for the Pain Medicine Practitioner TICKET	Moderated ePosters (MP-02)	
11:00 AM								
11:15 AM								
11:30 AM	Refresher Course Development of Chronic Postoperative Pain							
11:45 AM								
12:00 PM								
12:15 PM	Lunch on Own	PBLDs (lunch included) TICKET	Lunch on Own					
12:30 PM								
12:45 PM								
1:00 PM	Lunch on Own	PBLDs (lunch included) TICKET	Lunch on Own					
1:15 PM								
1:30 PM								
1:45 PM	Refresher Course Intrathecal Drug Delivery		Half-Day Special Session Fluoroscopy Workshop (cadaver) (also available in Spanish) (WS-06) Radiofrequency Ablation: Cervical, Thoracic, Lumbar, and Sacroiliac Joint TICKET	Ask the Experts Interactive Demonstration Workshop (WS-07) Botulinum Toxin for Migraines TICKET	Ask the Expert Interactive Session (IS-03) Managing Difficult Patient Interactions TICKET	Moderated ePosters (MP-03)		
2:00 PM								
2:15 PM								
2:30 PM	Refresher Course Opioid Induced Hyperalgesia							
2:45 PM								
3:00 PM								
3:15 PM	Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café							
3:30 PM								
3:45 PM								
4:00 PM	Refresher Course Can Behavior Modification Help Treat Pain?				Ask the Expert Interactive Session (IS-04) Learning from Our Mistakes: Closed Claims Cases in Pain Medicine and Opportunities for Improvement TICKET	Ask the Expert Interactive Session (IS-05) Practice Management: Establishing an Efficient Acute Pain Service and Demonstrating Value TICKET	Moderated ePosters (MP-04)	
4:15 PM								
4:30 PM								
4:45 PM	Refresher Course Discogenic vs. Facetogenic Low Back Pain							
5:00 PM								
5:15 PM								
5:30 PM	Special Event in Exhibit Hall Wine and Bubbly Networking Reception							
5:45 PM								
6:00 PM								
6:15 PM	Special Event in Exhibit Hall Wine and Bubbly Networking Reception							
6:30 - 8:00 PM								
8:00 PM								

Main Meeting - Thursday, November 19, 2015

7:00 am	7:45 am	Getting Started		
		Registration Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café	Foyer Exhibit Hall	Luster Gallerie Sparkle East
7:45 am	8:00 am	ASRA Presidential and Meeting Chair Welcome		Sparkle West
7:45 am		Presidential Welcome	Oscar de Leon-Casasola, MD	
7:50 am		Meeting Chair Welcome	Carlos Pino, MD	
		<i>Special Lecture</i> ASRA / ESRA / INS / AAPM / WIP / NANS Guidelines for Interventional Pain	<i>Moderator:</i>	
8:00 am	10:00 am	Procedures in Patients on Antiplatelets and Anticoagulants	Asokumar Buvanendran, MD	Sparkle West
8:00 am		Introduction: Why Do We Need Different Guidelines for Pain Medicine?	Asokumar Buvanendran, MD	2 credits
8:05 am		Risk Classification Based on Procedures and Anatomical Considerations	Samer Narouze, MD	
8:25 am		Non Steroidal Anti-inflammatory Drugs (NSAIDs)	David Provenzano, MD	
8:45 am		Antiplatelets and Anticoagulants	Honorio Benzon, MD	
9:20 am		Herbal Therapies	Marc Huntoon, MD	
9:30 am		Panel Discussion and Open Forum		
10:00 am	10:45 am	Morning Break in Exhibit Hall	Exhibit Hall	Luster Gallerie
		Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café		
		<i>Refresher Course</i>	<i>Moderator:</i>	
10:45 am	11:45 am	Neuromodulation	Ricardo Vallejo, MD	Sparkle West
10:45 am		Novel Current Delivery and Targets in Neuromodulation	Robert Foreman, PhD	1 credit
11:15 am		New Stimulation Patterns in Neuromodulation: DRG; High Frequency, and Burst	Timothy Deer, MD	
		<i>Refresher Course</i>	<i>Moderator:</i>	
11:45 am	12:45 pm	Development of Chronic Postoperative Pain	Ricardo Vallejo, MD	Sparkle West
11:45 am		How Should We Think About Chronic Pain after Surgery?	James Eisenach, MD	1 credit
12:15 pm		Targets to Prevent the Development of Chronic Postoperative Pain	Asokumar Buvanendran, MD	
12:45 pm	2:15 pm	Lunch On Own		
1:00 pm	2:00 pm	Problem-Based Learning Discussions (see PBLD listing)	Additional Fee, Lunch Included	Fontaine 1 credit
		<i>Refresher Course</i>	<i>Moderator:</i>	
2:15 pm	3:00 pm	Intrathecal Drug Delivery	Ricardo Vallejo, MD	Sparkle West
2:15 pm		Intrathecal Drug Delivery: CSF Flow and How Do Drugs Distribute in the IT Space	Tony Yaksh, PhD	0.75 credit
2:35 pm		Clinical Outcomes: Drug Concentration vs. Flow in Intrathecal Pumps	Salim Hayek, MD	
		<i>Refresher Course</i>	<i>Moderator:</i>	
3:00 pm	4:00 pm	Opioid Induced Hyperalgesia	Ricardo Vallejo, MD	Sparkle West
3:00 pm		Mechanisms of Opioid Induced Hyperalgesia in Chronic Pain	Andrea Nicol, MD	1 credit
3:30 pm		How to Prevent and Treat Opioid Induced Hyperalgesia	Eugene Viscusi, MD	
4:00 pm	4:30 pm	Afternoon Break in Exhibit Hall	Exhibit Hall	Sparkle East
		Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café		
		<i>Refresher Course</i>	<i>Moderator:</i>	
4:30 pm	5:30 pm	Can Behavior Modification Help Treat Pain?	Ricardo Vallejo, MD	Sparkle West
4:30 pm		Classical Conditioning and Counter-Conditioning in Humans	Robert Jamison, MD	1 credit
5:00 pm		Cognitive and Emotional Regulation of Pain: Lessons Learned from Neuroimaging of Pain	Sean Mackey, MD	
		<i>Refresher Course</i>	<i>Moderator:</i>	
5:30 pm	6:30 pm	Discogenic vs. Facetogenic Low Back Pain	Ricardo Vallejo, MD	Sparkle West
5:30 pm		Pathophysiology of Discogenic and Facetogenic Low Back Pain	Steven P. Cohen, MD	1 credit
6:00 pm		Imaging in Discogenic and Facetogenic Pain: MRI, CT, SPECT	Kevin Abrams, MD	
6:30 pm	8:00 pm	Special Event in Exhibit Hall	Exhibit Hall	Sparkle East
		Wine and Bubbly Networking Reception		



14th

Annual
Pain Medicine
Meeting

November 19-21, 2015
Miami, Florida
Fontainebleau Miami Beach

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Problem Based Learning Discussions (PBLD)

Thursday, November 19, 2015, 1:00-2:00 pm (*additional fee, lunch included*)

1 CME credit each, Fontaine Ballroom

PBLD01	Starting an Ultrasound Program: an Introduction to Equipment, Patient Selection, and Billing	Hariharan Shankar, MD
PBLD02	How to Approach a New Patient with a Pre-Existing Intrathecal Pump	Timothy Deer, MD
PBLD03	Growth and Marketing Strategies for a New or Established Pain Practice	Jason Pope, MD
PBLD04	Opioids for Non-Cancer Pain: Best Practices for Prescribing and Monitoring	Ellen W. K. Rosenquist, MD
PBLD05	Social Media in Pain Medicine: Education, Marketing, and Academic Promotion?	Edward Mariano, MD
PBLD06	Pediatric Pain Management for the Non-Pediatric Specialist	Charles Berde, MD
PBLD07	Pearls and Pitfalls of Spinal Cord Stimulation Trials and Implants	Joshua Wellington, MD
PBLD08	Buprenorphine/Naloxone to Treat Chronic Pain in Opioid Tolerant Patients	Sanford Silverman, MD
PBLD09	Anticoagulation Management for Interventional Pain Medicine Procedures	Honorio Benzon, MD
PBLD10	Medical Marijuana for Pain Management: Best Indications for Success	Mark Wallace, MD
PBLD11	Best Pain Care at Lower Cost: Collaborative Health Outcomes Information Registry (CHOIR) as a Model Platform for Learning Health Systems and Pain Registries	Sean Mackey, MD
PBLD12	Ultrasonography of the Lumbar Spine for Neuraxial and Lumbar Plexus Blocks: Understanding the Anatomy	Anahi Perlas, MD
PBLD13	Update on Intrathecal Drug Combinations and Guidelines	Salim Hayek, MD
PBLD14	Epidural Steroids Injections: Which Approach, Which Drugs, and Appropriate Indications	Maunak Rana, MD
PBLD15	Managing Pain during a Sickle Cell Crisis in Opioid Tolerant Patients	John Rowlingson, MD
PBLD16	Neuropathic Pain: Evidence-Based Approach to Pharmacological Management	Brett Stacey, MD
PBLD17	Common Sport Injuries and How to Treat Them	Kevin Vincent, MD
PBLD18	Spinal Cord Stimulation for Angina and Visceral Pain	Robert Foreman, MD
PBLD19	Sympathetic Blocks: Is There a Place for Them in Complex Regional Pain Syndrome (CRPS)?	Timothy Lubenow, MD
PBLD20	Perioperative Management of Patients on Buprenorphine/Naloxone: To Stop It or Not to Stop It?	Eugene Viscusi, MD
PBLD21	Pain in the Eye	Constantine Sarantopoulos, MD
PBLD22	Ketamine Infusions for Acute Pain in Opioid-Tolerant Patients	Juan-Francisco Asenjo, MD
PBLD23	Estimating Risk of Aberrant Behavior in Patients on Opioids: Can a Standardized Assessment Really Help?	Robert Jamison, MD
PBLD24	Treatment of Tendonopathy: Dry Needling of Tendons, Platelet Rich Plasma, and Stem Cell Therapy	Dmitri Souzdanitski, MD
PBLD25	Neuraxial Neurolytic Blocks in Cancer Pain: Is There Still an Indication?	Amitabh Gulati, MD



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Friday, November 20, 2015

Function	Plenary/Parallel A	Parallel B	Workshop	Workshop	Workshop	Interactive Sessions	Resident/Fellow Program	Moderated ePoster		
Room Name	Sparkle West	Fontaine	Splash 9/10	Splash 11/12	Splash 14/15/16	Splash 17/18	Fleur de Lis	Splash 13		
7:00 AM										
7:15 AM		Non-CME Promotional Session by Medtronic (breakfast included)								
7:30 AM										
7:45 AM			Getting Started Registration in Foyer Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café in Exhibit Hall							
8:00 AM	Plenary-01 Is The Future of Pain Medicine Here?		Hands-On Fluoroscopy and Ultrasound Workshop (cadaver and live model) (WS-08) SI Joint, SI Nerve Root Block and Piriformis Injection	Half-Day Special Session Fluoroscopy Workshop (cadaver) (also available in Spanish) (WS-09) Spinal Cord Stimulation Trial and Implant	Half-Day Special Session Ultrasound Workshop (live model) (also available in Spanish) (WS-10) Advanced Ultrasound for Musculoskeletal and Sports Medicine: Diagnostic and Interventional Ultrasound Interventions		Resident/Fellow Program Introduction and Hot Topics in Pain Medicine	Moderated ePosters (MP-05)		
8:15 AM										
8:30 AM										
8:45 AM										
9:00 AM										
9:15 AM										
9:30 AM										
9:45 AM										
10:00 AM	Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café				Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café					
10:15 AM										
10:30 AM										
10:45 AM	Plenary-02 Pain Medicine: Updates from Europe and the US		Hands-On Fluoroscopy and Ultrasound Workshop (cadaver and live model) (WS-11) Head and Neck Blocks for Orofacial and Cervical Pain				Resident/Fellow Program Hot Topics in Pain Medicine (con't)	Moderated ePosters (MP-06)		
11:00 AM										
11:15 AM										
11:30 AM										
11:45 AM										
12:00 PM										
12:15 PM										
12:30 PM										
12:45 PM										
1:00 PM	Non-CME Promotional Session by Nevro (lunch included)		Lunch on Own							
1:15 PM										
1:30 PM										
1:45 PM										
2:00 PM	Parallel Session-1a Neuropathic Cancer Pain and Cancer in Pediatrics	Parallel Session-1b Pro-Con Debates: Single Shot vs. Continuous Trial of Intrathecal Pumps Traditional vs. High Frequency / Burst Spinal Cord Stimulation	Half-Day Special Session Fluoroscopy and Ultrasound Workshop (cadaver) (also available in Spanish) (WS-12) Neuraxial Implants for Cancer Pain: Intrathecal Pumps, Epidural Implantable Access Systems, and Tunneled Percutaneous Catheters	Hands-On Fluoroscopy and Ultrasound Workshop (cadaver and live model) (WS-13) Peripheral Nerve Neuromodulation		Ask the Expert Interactive Session (IS-06) Research in Pain Medicine: Introduction to Performing Clinical Research	Resident/Fellow Program The Match and Career after Fellowship	Moderated ePosters (MP-07)		
2:15 PM										
2:30 PM										
2:45 PM										
3:00 PM										
3:15 PM										
3:30 PM										
3:45 PM										
4:00 PM	Break in Exhibit Hall with the PA/NP Meet and Greet in the ASRA Chat Room		Break in Exhibit Hall/Break in Exhibit Hall with the PA/NP Meet and Greet in the ASRA Chat Room							
4:15 PM										
4:30 PM										
4:45 PM										
5:00 PM	Parallel Session-2a Update in Interventional Pain Medicine	Parallel Session-2b Practice Management and ICD- 10	Hands-On Ultrasound Workshop (cadaver and live model) (WS-14) Platelet Rich Plasma (PRP) Injections for Sports Injuries		Ask the Expert Interactive Session (IS-07) Ketamine: An Old Drug and New Tricks?	Resident/Fellow Program Career Fair and Reception Jointly organized by: ASRA and the Association of Pain Program Directors (APPD) Generously supported by: Medtronic	Moderated ePosters (MP-08)			
5:15 PM										
5:30 PM										
5:45 PM										
6:00 PM										
6:15 PM										
6:30 PM										
6:45 PM										



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Main Meeting - Friday, November 20, 2015

7:00 am	7:45 am	Non-CME Promotional Session by Medtronic (breakfast included)	Fontaine
7:30 am	8:00 am	Getting Started Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café	Exhibit Hall Sparkle East
8:00 am	10:00 am	<i>Plenary 1</i> Is The Future of Pain Medicine Here? Novel Analgesics for Image Guided Spinal Delivery: Resiniferatoxin and AAV Gene Vectors Nanotechnology in Pain Medicine Mesenchymal Stem Cells in Pain Medicine Panel Discussion and Open Forum	<i>Moderator:</i> David Clark, MD Andreas Beutler, MD Ennio Tasciotti, PhD Arnold Caplan, PhD Sparkle West 2 credits
10:00 am	10:45 am	Morning Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café	Exhibit Hall Sparkle East
10:45 am	12:45 pm	<i>Plenary 2</i> Pain Medicine: Updates from Europe and the US ASA Presidential Update Therapies in Europe That Have Not (Yet) Been Introduced in the US: a Look Into The Future? The Future of Pain Medicine in the US Is Bright: Insight from the ASRA Journal Panel Discussion and Open Forum	<i>Moderator:</i> Oscar de Leon-Casasola, MD Daniel Cole, MD Jose De Andres, MD Marc Huntoon, MD Sparkle West 2 credits
12:45 pm	2:00 pm	Lunch On Own or	
1:00 pm	1:45 pm	Non-CME Promotional Session by Nevro (lunch included)	Fontaine
2:00 pm	4:00 pm	<i>Parallel Session 1a</i> Neuropathic Cancer Pain and Cancer in Pediatrics Neuropathic Cancer Pain: Optimizing Medical Management Intrathecal Pumps and Other Interventional Alternatives for Neuropathic Cancer Pain Opioid Management: Efficacy in Adult and Pediatric Cancer Pain Cannabinoids in Neuropathic Cancer Pain Panel Discussion and Open Forum	<i>Moderator:</i> Nagy Mekhail, MD Brett Stacey, MD Amitabh Gulati, MD Charles Berde, MD Mark Wallace, MD Sparkle West 2 credits
2:00 pm	4:00 pm	<i>Parallel Session 1b</i> Pro-Con Debates: Single Shot vs. Continuous Trial of Intrathecal Pumps Traditional vs. High Frequency / Burst Spinal Cord Stimulation Single Shot vs. Continuous Trial of Intrathecal Pumps Intrathecal Pump Trials: Single-Shot Trial Intrathecal Pump Trials: Continuous Catheter Trial Panel Discussion and Open Forum Changing of the Guards in Spinal Cord Stimulation High Frequency and Burst Stimulation Will Lead the Way Tonic Stimulation Is Here to Stay Panel Discussion and Open Forum	<i>Moderator:</i> Asokumar Buvanendran, MD Timothy Deer, MD Timothy Lubenow, MD Jason Pope, MD David Provenzano, MD Fontaine 2 credits
4:00 pm	4:45 pm	Afternoon Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café	Exhibit Hall Sparkle East
4:45 pm	6:45 pm	<i>Parallel Session 2a</i> Update in Interventional Pain Medicine Radiofrequency Ablation for Joint Pain: Neural Targets and Understanding the Anatomy Sedation for Diagnostic Pain Procedures: Does It Affect the Results? Ultrasound Imaging of the Spine for Pain Procedures The Future of Intra-Discal Procedures: What Is the Evidence? Panel Discussion and Open Forum	<i>Moderator:</i> Jose De Andres, MD Carlos Pino, MD Steven P. Cohen, MD Roderick Finlayson, MD Leonardo Kapural, MD Sparkle West 2 credits
4:45 pm	6:45 pm	<i>Parallel Session 2b</i> Practice Management and ICD-10 Economic Indicators and Benchmarking Your Pain Practice Managing an Academic Pain Practice: Education, Research, and Financial Success Physician Extenders: Being a Part of a Successful Clinical Care Team ICD-10: Challenges and Solutions Panel Discussion and Open Forum	<i>Moderator:</i> David Provenzano, MD Kevin Vorenkamp, MD Richard Rosenquist, MD Jason Pope, MD Christopher Gilligan, MD Fontaine 2 credits



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Saturday November 21, 2015

Function	Parallel A	Parallel B	Workshop	Workshop	Resident/Fellow Program (workshops)	Interactive Sessions	PA/NP Program	Moderated ePoster
Room Name	Sparkle West	Fontaine	Splash 9/10	Splash 11/12	Splash 14/15/16	Splash 17/18	Fleur de Lis	Splash 13
7:30 AM	Getting Started							
7:45 AM	Registration in Foyer							
8:00 AM	Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café in Exhibit Hall							
8:15 AM	Parallel-3a Pain Management and Rehabilitation in Elite Athletes	Parallel-3b Imaging Safety and Anatomic Correlations: Assimilating the Information and Limiting Patient Risk	Hands-On Fluoroscopy and Ultrasound Workshop (cadaver and live model) (WS-15) Large Joint Injections		Resident/Fellow Program Workshops (WS-20) Fluoroscopy Workshops	Ask the Expert Interactive Session (IS-08) Practice Management: Delivering and Demonstrating Value in Pain Medicine	Nurse Practitioner / Physician Assistant Program Treating Patients with a History of Addiction and Chronic Pain	Moderated ePosters (MP-09)
8:30 AM								
8:45 AM								
9:00 AM								
9:15 AM								
9:30 AM								
9:45 AM								
10:00 AM	Break in Exhibit Hall							
10:15 AM	Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café							
10:30 AM								
10:45 AM	Parallel-4a Pain Management in Special Populations	Parallel-4b Neuromodulation in Pain Medicine: It's All About the Programming!	Hands-On Fluoroscopy Workshop (cadaver) (also available in Spanish) (WS-16) New Techniques in Radiofrequency: Genicular Nerves, Dorsal Root Ganglion, and Intra-Articular Ablation	Hands-On Fluoroscopy Workshop (cadaver) (WS-17) Minimally Invasive Lumbar Decompression (MILD) Procedure	Resident/Fellow Program Workshops (WS-21) Ultrasound Workshop		Nurse Practitioner / Physician Assistant Program Pharmacology and Indications of Pain Medications and Adjuvants	Moderated ePosters (MP-10)
11:00 AM								
11:15 AM								
11:30 AM								
11:45 AM								
12:00 PM								
12:15 PM								
12:30 PM	Special Event (Sparkle West Ballroom)							
12:45 PM	Excellence in ASRA Awards Luncheon							
1:00 PM	TICKET							
1:15 PM								
1:30 PM								
1:45 PM								
2:00 PM								
2:15 PM								
2:30 PM								
2:45 PM	Parallel Session-5a Lumbar Spinal Stenosis and Epidural Steroids	Parallel Session- 5b Complex Regional Pain Syndrome in the Adult	Hands-On Fluoroscopy Workshop (cadaver) (in Spanish) (WS-18) Tecnicas de Radiofrecuencia para el Tratamiento del Dolor- Taller (en Espanol)	Hands-On Fluoroscopy Workshop (cadaver) (also available in Spanish) (WS-19) Vertebral Augmentation: Kyphoplasty and Vertebroplasty			Nurse Practitioner / Physician Assistant Program Complex Patients and Basics of Practice Management	Moderated ePosters (MP-11)
3:00 PM								
3:15 PM								
3:30 PM								
3:45 PM								
4:00 PM								
4:15 PM								
4:30 PM	Special Session (Sparkle West Ballroom)							
4:45 PM	The Agency for Healthcare Research and Quality (AHRQ) Technology Assessment Report							
5:00 PM	"Pain Management Injection Therapies for Low Back Pain"							
5:15 PM	Why Is it Wrong and What Does It Mean for Your Practice?							
5:30 PM								
5:45 PM								
6:00 PM								
6:15 PM								
7:30-10:30 PM	Special Event (La Cote Lawn) ASRA 40th Anniversary Celebration							

Main Meeting - Saturday, November 21, 2015

7:30 am	8:00 am	Getting Started Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café	Exhibit Hall	Sparkle East
8:00 am	10:00 am	<i>Parallel Session 3a</i> Pain Management and Rehabilitation in Elite Athletes 8:00 am Pain Management and Rehabilitation of Upper Extremity Injuries in Athletes 8:30 am Pain Management and Rehabilitation of Lower Extremity Injuries in Athletes 9:00 am Evidence and Indications of Platelet Rich Plasma Therapy in the Injured Athlete 9:30 am Panel Discussion and Open Forum	<i>Moderator:</i> Joshua Wellington, MD Jason Zaremski, MD Kevin Vincent, MD Evan Peck, MD	Sparkle West 2 credits
8:00 am	10:00 am	<i>Parallel Session 3b</i> Imaging Safety and Anatomic Correlations: Assimilating the Information and Limiting Patient Risk 8:00 am Functional Brain Imaging in Pain - Overview and Clinical Significance 8:20 am Image Overlay Systems to Help Guide Interventional Procedures 8:40 am Fluoroscopy: Technical Considerations, Radiation Exposure, and Patient Safety 9:00 am Diagnostic Musculoskeletal Ultrasound: Real Pathology or Artifact? 9:20 am Panel Discussion and Open Forum	<i>Moderator:</i> Samer Narouze, MD Sean Mackey, MD John Carrino, MD David Provenzano, MD Philip Peng, MD	Fontaine 2 credits 
10:00 am	10:45 am	Morning Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café	Exhibit Hall	Sparkle East
10:45 am	12:45 pm	<i>Parallel Session 4a</i> Pain Management in Special Populations 10:45 am Pediatric Complex Regional Pain Syndrome 11:05 am Interventional Pain Management in Pediatrics 11:25 am Patient Safety: Driving and Opioids 11:45 am Pain Management during Pregnancy and Lactation 12:05 pm Panel Discussion and Open Forum	<i>Moderator:</i> Santhanam Suresh, MD Charles Berde, MD Juan-Francisco Asenjo, MD Asokumar Buvanendran, MD James Eisenach, MD	Sparkle West 2 credits 
10:45 am	12:45 pm	<i>Parallel Session 4b</i> Neuromodulation in Pain Medicine: It's All About the Programming! 10:45 am Pain Suppressing Mechanism of Neuromodulation: Beyond the Gate Control Theory 11:05 am Burst Spinal Cord Stimulation - An overview 11:25 am Traditional (Tonic) Spinal Cord Stimulation 11:45 am High Frequency Spinal Cord Stimulation 12:05 pm Panel Discussion and Open Forum	<i>Moderator:</i> Nagy Mekhail, MD Robert Foreman, PhD Timothy Deer, MD Ricardo Vallejo, MD Leonardo Kapural, MD	Fontaine 2 credits
12:45 pm	2:30 pm	<i>Special Event</i> Excellence in ASRA Awards Luncheon 12:45 pm Buffet Lunch Service 1:00 pm ASRA President's Address 1:10 pm ASRA Research Committee Chair Update 1:20 pm Chronic Pain Award Research Grant Update 1:30 pm Best of Meeting Abstracts Awards and Presentations <i>John J. Bonica Award Lecture</i> 1:50 pm At the Table or on the Menu: The Value of Engagement in Pain Medicine 2:30 pm Adjournment and Move to Next Session	<i>Moderator:</i> Gary Brenner, MD Oscar de Leon Casasola, MD Gary Brenner, MD Jijun Xu, MD Richard Rosenquist, MD	Sparkle West 0.75 credits
2:45 pm	4:45 pm	<i>Parallel Session 5a</i> Lumbar Spinal Stenosis and Epidural Steroids 2:45 pm Can Radiologic Findings Suggest a Pathophysiology of Lumbar Spinal Stenosis and Guide Treatment? 3:05 pm Functional Outcomes and Options for Interventional Treatments of Lumbar Spinal Stenosis 3:45 pm Epidural Steroids in Lumbar Spinal Stenosis: Are Outcomes Different with Different Techniques? 4:05 pm Efficacy of Non-Invasive and Surgical Treatments 4:25 pm Panel Discussion and Open Forum	<i>Moderator:</i> Steven P. Cohen, MD John Carrino, MD Nagy Mekhail, MD Honorio Benzon, MD Joshua Wellington, MD	Sparkle West 2 credits
2:45 pm	4:45 pm	<i>Parallel Session 5b</i> Complex Regional Pain Syndrome in the Adult 2:45 pm Clinical Criteria for Diagnosis of CRPS 3:05 pm Medical Management of CRPS 3:45 pm Ketamine Infusion for the Treatment of CRPS: What Is the Evidence? 4:05 pm Neuromodulation for the Treatment of CRPS 4:25 pm Panel Discussion and Open Forum	<i>Moderator:</i> Marc Huntoon, MD Gary Brenner, MD Mark Wallace, MD Timothy Lubenow, MD Salim Hayek, MD	Fontaine 2 credits
4:45 pm	6:15 pm	<i>Special Session</i> The Agency for Healthcare Research and Quality (AHRQ) Technology Assessment Report "Pain Management Injection Therapies for Low Back Pain": Why Is it Wrong and What Does It Mean for Your Practice? 4:45 pm The AHRQ Report: Methodology and Conclusions 5:05 pm Criticisms Raised during the Review 5:25 pm Update on the Response from the Multi-Society Pain Workgroup 5:45 pm Panel Discussion and Open Forum	<i>Moderator:</i> Oscar de Leon-Casasola, MD Mark Wallace, MD Steven P. Cohen, MD Kevin Vorenkamp, MD	Sparkle West 1.5 credits
7:30 pm	10:30 pm	Special Event ASRA 40th Anniversary Celebration		



14th

Annual Pain Medicine Meeting

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Workshops - Thursday, November 19, 2015 (additional fee, physicians only)

8:00 am	12:45 pm	Morning Workshop Coordinator	Maunak Rana, MD	
WS-01 Full-Day Special Session Ultrasound Workshop (cadaver, live model)				
8:00 am	6:30 pm	Ultrasound in Pain Medicine	Lead: Samer Narouze, MD	Splash 9/10/11 8.5 credits
		Download the full workshop program; includes lunch with the experts	Faculty: Peter Cheng, MD Roderick Finlayson, MD Michael Gofeld, MD Imanuel Lerman, MD Philip Peng, MD David Provenzano, MD Hariharan Shankar, MD Dmitri Souzdalnitski, MD Santhanam Suresh, MD	Associate Faculty: Anuj Bhatia, MD Sean Colio, MD John Hanlon, MD
Under the lead of Dr. Samer Narouze, this full day session has received raving reviews. The first half of the workshop is dedicated to didactics and demonstration of scanning and interventional techniques under ultrasound guidance. The afternoon session is hands-on as participants rotate through the various scanning stations to practice on cadavers and live models. Lunch is included in this session and will provide an opportunity to meet and interact closely with the expert faculty. Topics Include:				
<ul style="list-style-type: none"> • Principles of Ultrasonography and Understanding Ultrasound Equipment • Sacroiliac Joint, Piriformis, and Caudal Sonoanatomy • Paravertebral, Intercostal Nerve Block, and Detection of a Pneumothorax Sonoanatomy • Ultrasound Guided Blocks for Pelvic Pain (TAP, IL/IH, & GF) • Lumbar Spine Sonoanatomy: Lumbar Medial Branches • Cervical Spine Sonoanatomy: Cervical Medial Branches & TON • Cervical Sonoanatomy: Nerve Roots and Stellate Ganglion Block • Billing, Coding and Challenges for Reimbursement for Ultrasound Guided Pain Procedures 				
WS-02 Hands-On Fluoroscopy Workshop (cadaver)				
8:00 am	10:00 am	Techniques for Intradiscal Procedures: Biaculoplasty, Discography	Lead: Ricardo Vallejo, MD	Splash 12 2 credits
			Faculty: Leonardo Kapural, MD	
In this advanced skills cadaver workshop, participants will review the anatomy relevant to the lumbar intervertebral disc. The faculty, both experts in the field, will provide a brief didactic review of this anatomy, as well as discussing the indications and evidence supporting intradiscal procedures. Participants will observe and gain hands-on experience with percutaneous approaches to the disc for both diagnostic and therapeutic procedures, including discography and biaculoplasty.				
WS-03 Hands-On Fluoroscopy Workshop (cadaver)				
8:00 am	10:00 am	Cervical Medial Branch Blocks and Radiofrequency Ablation	Lead: Kevin Vorenkamp, MD	Splash 15/16 2 credits
			Faculty: Andrea Nicol, MD	
This advanced skill 2-hour cadaver workshop will review the anatomy and technique relevant to cervical medial branch blocks and radiofrequency ablation. The faculty will provide a brief didactic review of the anatomy, indications, evidence and technique for successful outcomes. Most of the workshop will be hands-on with 2 cadavers to allow for plenty of practice time for each participant.				
WS-04 Hands-On Fluoroscopy Workshop (cadaver)				
10:45 am	12:45 pm	Sacroiliac Joint Radiofrequency Ablation (multiple techniques)	Lead: Steven P. Cohen, MD	Splash 12 2 credits
			Faculty: Brett Stacey, MD	Associate Faculty: Magdalena Anitescu, MD
This cadaver workshop will focus on the sacroiliac joint radiofrequency ablation techniques. The expert faculty will first review the anatomy relevant to SIJ-RFA, incorporating recent studies and will review the indications and evidence supporting the technique of SIJ-RFA. Participants will perform SIJ-RFA using a variety of techniques, but focusing primarily on the technique of cooled RF of the sacral lateral branches. There will be opportunities to discuss any questions with the faculty leaders.				
WS-05 Hands-On Fluoroscopy & Ultrasound Workshop (cadaver, live model)				
10:45 am	12:45 pm	Sympathetic Chain Nerve Blocks and Neurolytic Procedures (Stellate, Splachnic Nerve, Celiac Plexus, Superior Hypogastric Plexus, Lumbar Sympathetic, Ganglion Impar)	Lead: Timothy Lubenow, MD	Splash 15/16 2 credits
			Faculty: Amitabh Gulati, MD Eliezer Soto, MD	Associate Faculty: Bruce Vrooman, MD
Participants will have the opportunity to perform a wide array of sympathetic nerve blocks and neurolytic procedures under both ultrasound and fluoroscopic guidance. After a brief didactic session led by distinguished faculty, participants will rotate between both live model stations for ultrasound scanning as well as cadaver stations for fluoroscopy guided procedures. Covering a wide array of procedures targeting CRPS, cancer pain and abdominal/pelvic pain, this workshop is of high value to pain medicine physicians.				
2:15 pm	6:30 pm	Afternoon Workshop Coordinator	Daniel Warren, MD	
WS-06 Half-Day Special Session Fluoroscopy Workshop (cadaver)				
2:15 pm	6:30 pm	Radiofrequency Ablation: Cervical, Thoracic, Lumbar, and Sacroiliac Joint	Lead: Christopher Gilligan, MD	Splash 15/16 4.25 credits
			Faculty: Ellen W. K. Rosenquist, MD	Associate Faculty: Magdalena Anitescu, MD Esther Benedetti, MD
This half-day workshop will consist of didactics covering the mechanisms of action of radiofrequency neurolysis, pertinent anatomy, indications, different radiofrequency modalities and pearls on adequate cannulae placement. Most of this workshop will be hands-on with 4 cadavers to allow for plenty of practice time performing cervical, thoracic, lumbar and sacroiliac joint procedures.				
WS-07 Interactive Demonstration Workshop				
2:15 pm	4:15 pm	Botulinum Toxin for Migraines	Lead: Brian Wainger MD	Splash 14 2 credits
			Faculty: Sanford Silverman, MD	
In this workshop, participants will receive didactic instruction on the treatment of migraine headache with Botulinum toxin type A—a therapy found to be effective for the treatment of migraine. The basic principle of this treatment is based on the fact that migraine headache is in fact mediated through the trigeminal system. This can be treated by injecting certain areas in the face and head with Botulinum toxin type A. Patients who are resistant to pharmacologic treatment of migraine, or using excessive amounts of triptan medications may be candidates for this therapy. Workshop participants will observe and gain experience practicing on practice models.				



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8:00 am	12:45 pm	Morning Workshop Coordinator	Magdalena Anitescu, MD	
8:00 am	10:00 am	<i>WS-08 Hands-On Fluoroscopy and Ultrasound Workshop (cadaver, live model)</i> S1 Joint, S1 Nerve Root Block and Piriformis Injection	<i>Lead:</i> Christopher Gilligan, MD <i>Faculty:</i> Honorio Benzon, MD Brett Stacey, MD	<i>Associate Faculty:</i> Bruce Vrooman, MD 2 credits
Participants will review the anatomy of the sacrum and pelvic structures, including both the sonographic and fluoroscopic visualization of key structures including the sacroiliac joint, S1 nerve root and piriformis muscle. Expert faculty will provide a brief didactic presentation regarding physical exam findings, indications and effectiveness of these procedures. They will perform ultrasound scanning on live models and needle placement techniques on cadavers under fluoroscopic guidance.				
8:00 am	12:45 pm	<i>WS-09 Half-Day Special Session Fluoroscopy Workshop (cadaver)</i> Spinal Cord Stimulation Trial and Implants	<i>Lead:</i> Salim Hayek, MD, PhD <i>Faculty:</i> Leonardo Kapural MD Jason Pope, MD Ricardo Vallejo, MD	<i>Associate Faculty:</i> Esther Benedetti, MD 4.75 credits
This comprehensive half-day workshop will focus exclusively on neurostimulation techniques. Led by leaders in the field, there will be a didactic portion focusing on indications, mechanisms of action and effectiveness of spinal cord stimulation for a variety of pain conditions. There will also be discussion of emerging technologies in the field of spinal cord stimulation. The practical portion will consist of 4 stations focusing on all aspects of spinal cord stimulation, and the 5 expert faculty will be available to instruct and field your questions on a variety of topics. Participants will gain tools to bring their neuromodulation practices to the next level and gain exposure to best practice systems to enhance their patient successes.				
8:00 am	12:45 pm	<i>WS-10 Half-Day Special Session Ultrasound Workshop (live model)</i> Advanced Ultrasound for Musculoskeletal and Sports Medicine: Diagnostic and Interventional Ultrasound Interventions	<i>Lead:</i> Philip Peng, MD <i>Faculty:</i> Juan-Francisco Asenjo, MD Peter Cheng, MD Samer Narouze, MD Hariharan Shankar, MD Dmitri Souzdamitski, MD	<i>Associate Faculty:</i> Anuj Bhatia, MD Sean Colio, MD John Hanlon, MD 4.75 credits
Download the full workshop program.				
This half-day workshop will present scanning protocols to diagnose and treat various musculoskeletal painful conditions. The first half of this workshop will be dedicated to didactics and demonstration of ultrasound scanning protocols. The second half of the workshop will be hands-on and participants will rotate through the various scanning stations to perform and practice scanning techniques on live models. Topics include: • Normal Sonoanatomy, Sonopathology of the Musculoskeletal System: Cartilage, Ligaments, Muscles, and Tendons • Scanning Protocol and MSK interventions for the Shoulder, Elbow, Wrist, Hip, and Knee The				
10:45 am	12:45 pm	<i>WS-11 Hands-On Fluoroscopy and Ultrasound Workshop (cadaver, live model)</i> Head and Neck Blocks for Orofacial and Cervical Pain	<i>Lead:</i> Kevin Vorenkamp, MD <i>Faculty:</i> Gary Brenner, MD Roderick Finlayson, MD	<i>Associate Faculty:</i> Maxim Eckmann, MD 2 credits
This advanced practice workshop will focus on interventional techniques targeting the head, face and upper cervical spine. The session will begin with a brief didactic session reviewing the anatomy relevant to facial pain and cervicogenic headache, as well as indications and techniques for a variety of procedures. Participants will have the opportunity to rotate between 3 stations all led by expert faculty. Station 1 will focus on fluoroscopy-guided procedures on cadavers including trigeminal ganglion blocks/RFA, mandibular/maxillary blocks and sphenopalatine ganglion blocks. Station 2 will focus on fluoroscopy-guided procedures on cadavers, including cervical medial branch and third occipital blocks and RFA. The third station will review the ultrasonographic anatomy of head and neck structures, including the occipital nerve, maxillary nerve, cervical facet joints and stellate ganglion.				
2:00 pm	6:45 pm	Afternoon Workshop Coordinator	Daniel Warren, MD	
2:00 pm	6:45 pm	<i>WS-12 Half-Day Special Session Fluoroscopy and Ultrasound Workshop (cadaver)</i> Neuraxial Implants for Cancer Pain: Intrathecal Pumps, Epidural Implantable Access Systems, and Tunneled Percutaneous Catheters	<i>Lead:</i> Juan-Francisco Asenjo, MD <i>Faculty:</i> Eliezer Soto, MD Joshua Wellington, MD	<i>Associate Faculty:</i> Wyndam Strodtbeck, MD 4.75 credits
<i>Also available in Spanish.</i>				
A comprehensive workshop providing participants with a vast array of techniques for treatment of patients with cancer pain. There will be a didactic session discussing the variety of options allowable to achieve neuraxial medication delivery and when to consider choosing one technique or medication type over another. The practical portion of the workshop will focus on surgical technique and give workshop participants exposure to different techniques and how to avoid and troubleshoot problems in the system. As participants rotate between the 3 cadaver stations, the 4 expert faculty will be available to answer questions and provide feedback. Participants will gain tools to expand their treatment of cancer pain and gain exposure to best practice systems to enhance their patient successes.				
2:00 pm	4:00 pm	<i>WS-13 Hands-On Fluoroscopy and Ultrasound Workshop (cadaver, live model)</i> Peripheral Nerve Neuromodulation	<i>Lead:</i> Maunak Rana, MD <i>Faculty:</i> Michael Gofeld, MD	<i>Associate Faculty:</i> Bruce Vrooman, MD 2 credits
Occipital; lateral femoral cutaneous/inguinal nerves; thoracic & lumbosacral region				
With expanding indications for headache treatment, this workshop will focus primarily on neurostimulation techniques targeting the occipital and supraorbital nerves, but also a wide variety of other peripheral nerve targets under both fluoroscopy and ultrasound guidance. There will be a brief opening presentation reviewing the key targets, indications and surgical technique to maximize success and minimize complications including lead migration. Next, workshop participants will rotate through cadaver stations using fluoroscopic and ultrasound guidance for lead placement. The stations will also focus on lead anchoring and surgical skills techniques. There will also be a live model station for ultrasound scanning to determine your ideal surgical approach for the peripheral nerve stimulator trials and implants. Expand your neuromodulation experience through the guidance of highly regarded faculty in this new and exciting field.				
4:45 pm	6:45 pm	<i>WS-14 Hands-On Ultrasound Workshop (cadaver, live model)</i> Platelet Rich Plasma (PRP) Injections for Sports Injuries	<i>Lead:</i> Michael Gofeld, MD <i>Faculty:</i> Peter Cheng, MD Evan Peck, MD Dmitri Souzdamitski, MD	<i>Associate Faculty:</i> Sean Colio, MD 2 credits
This hands-on workshop will provide participants with an excellent experience for treating a variety of musculoskeletal injuries. After a brief presentation reviewing the use of ultrasound for both diagnostic and needle guided therapeutic sessions, workshop participants will then rotate between 3 live model stations for ultrasound scanning and discussion of injection techniques. There will also be a 4th station with a cadaver for hands on practice of US-guided procedures. The 5 expert faculty members will be available for demonstration, feedback and to field your questions related to PRP injections and other musculoskeletal procedures.				



14th

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8:00 am 12:45 pm Morning Workshop Coordinator Gary Brenner, MD, PhD

8:00 am 10:00 am WS-15 Hands-On Fluoroscopy and Ultrasound Workshop (cadaver, live model) Large Joint Injections *Lead: Dmitri Souzdalnitski, MD* *Splash 9/10*
Faculty: Peter Cheng, MD; Mark Wallace, MD *2 credits*

Led by international faculty who specialize in musculoskeletal injections, this workshop will focus on injection techniques targeting large joints including the shoulder, hip and knee. The session will begin with a brief didactic session discussing the anatomy and different interventional approaches to the target joints. Next, workshop participants will rotate between a total of 3 stations run by the 4 expert faculty. There will be 2 cadaver stations for live needle placement under ultrasound and fluoroscopy. There will also be a live model station for ultrasound scanning for determining the optimal approach to the target joints. Participants will gain an in-depth exposure to scanning and performing these large joint injections under both ultrasound and fluoroscopic guidance.

10:45 am 12:45 pm WS-16 Hands-On Fluoroscopy Workshop (cadaver) New Techniques in Radiofrequency: Genicular Nerves and Dorsal Root Ganglion *Lead: Maunak Rana, MD* *Splash 9/10*
Faculty: Eliezer Soto, MD; Associate Faculty: Esther Benedetti, MD *2 credits*

This advanced workshop will focus on two innovative techniques in interventional pain medicine. Radiofrequency ablation of the Genicular nerve has gained extraordinary ground in the treatment of knee pain with emerging evidence to support its use. The faculty will focus on the indications, technique and evidence supporting its use. Another target, the dorsal root ganglion, has been established for decades as a target for a variety of pain conditions. Participants will rotate through these 2 stations using fluoroscopic guidance for RFA approaches: 1 station targeting the genicular nerve and the other the dorsal root ganglion of the lumbar and thoracic spine.

10:45 am 12:45 pm WS-17 Hands-On Fluoroscopy Workshop (cadaver) Minimally Invasive Lumbar Decompression (MILD) Procedure *Lead: Jason Pope, MD* *Splash 11/12*
Associate Faculty: Magdalena Anitescu, MD; Bruce Vrooman, MD *2 credits*

MILD is a promising technique with emerging evidence for patients with radicular pain from ligamentum flavum hypertrophy. This workshop will focus exclusively on the technique. The session will start with a brief didactic session reviewing the relevant anatomy, as well as the indication, technique, and supportive evidence for the MILD procedure. Workshop participants will then rotate through the 2 cadaver stations for fluoroscopic performance of the procedure under the demonstration, instruction and guidance of expert faculty.

2:45 pm 4:45 pm Afternoon Workshop Coordinator Daniel Warren, MD

2:45 pm 4:45 pm WS-18 Hands-On Fluoroscopy Workshop (cadaver) Tecnicas de Radiofrecuencia para el Tratamiento del Dolor-Taller (en Espanol) In Spanish. *Lead: Juan-Francisco Asenjo, MD* *Splash 9/10*
Faculty: Ricardo Vallejo, MD; Associate Faculty: Esther Benedetti, MD *2 credits*

This workshop will focus primarily on vertebral augmentation procedures of the lumbar and thoracic spine. The session will begin with a brief didactic session reviewing the anatomy, indications and supporting evidence for vertebral augmentation procedures. Next, workshop participants will rotate between the 2 stations using fluoroscopy to perform kyphoplasty, vertebroplasty and KIVA on the 2 cadavers. The faculty leads will demonstrate, instruct and provide guidance on how to perform the procedures effectively. In addition to excellent hands-on experience, there will be opportunities to discuss with the experienced faculty different approaches to maximize patient success with the procedures.

2:45 pm 4:45 pm WS-19 Hands-On Fluoroscopy Workshop (cadaver) Vertebral Augmentation: Kyphoplasty, Vertebroplasty and KIVA *Lead: Maunak Rana, MD* *Splash 11/12*
Faculty: Eliezer Soto, MD; Associate Faculty: Bruce Vrooman, MD *2 credits*

Ask the Expert Interactive Sessions - Thursday, November 19, 2015 *(additional fee, open to all)*

8:00 am	10:00 am	<p><i>IS-01 Ask the Expert Interactive Session</i> Reading and Interpretation of Spinal Imaging: MRI, CT, SPECT, Myelogram Call for your cases, complications, questions!</p> <p>Develop a better understanding of the different image modalities available to visualize spinal anatomy. Our expert faculty will review the indications, advantages and contraindications to MRI, CT, myelography and SPECT. The faculty will guide you through a systematic approach to understanding anatomical correlations and identifying spinal pathology that will help you in diagnosis and developing a treatment plan. This interactive session will be of benefit for residents, fellows, PAs/NPs, and physicians.</p>	<p><i>Moderator:</i> Brian Wainger, MD Kevin Abrams, MD Wyndam Strodtbeck, MD Joshua Wellington, MD</p>	Splash 17/18 2 credits
10:45 am	12:45 pm	<p><i>IS-02 Ask the Expert Interactive Session</i> Musculoskeletal and Neurologic Physical Examination for the Pain Medicine Practitioner MSK Exam Neurological Exam</p> <p>Designed for residents, fellows, PAs/NPs, and physicians who wish to sharpen their physical examination skills. The faculty will demonstrate how to examine gait; coordination; mental status; cranial and peripheral nerves; sensory; motor; reflexes; small and large joint exam, including hip, elbow and shoulder. Two models will be available for participants to practice their skills under the guidance of the faculty.</p>	<p><i>Moderator:</i> Joshua Wellington, MD Brian Wainger, MD Joshua Wellington, MD</p>	Splash 17/18 2 credits
2:15 pm	4:15 pm	<p><i>IS-03 Ask the Expert Interactive Session</i> Managing Difficult Patient Interactions How to Deal with Demanding Patients and Family Members Defusing a Difficult Situation with an Aggressive Patient Things to Consider Before Discharging a Difficult Patient from Your Practice This session will explore those difficult interactions with patients and family members. The faculty will help participants develop skills to defuse difficult situation and avoid escalating conflict. If you are thinking of discharging a patient from your practice, what are your alternatives and what steps should you take prior to discharging the patient? This interactive session presents an ideal opportunity for residents, fellows, PAs/NPs, and physicians to discuss their experiences and resources.</p>	<p><i>Moderator:</i> Robert Jamison, MD Charles Berde, MD Robert Jamison, MD Richard Rosenquist, MD</p>	Splash 17/18 2 credits
4:30 pm	6:30 pm	<p><i>IS-04 Ask the Expert Interactive Session</i> Learning from Our Mistakes: Closed Claims Cases in Pain Medicine and Opportunities for Improvement Call for your cases, complications, questions! Explore a new modality of interaction. We have asked the audience to submit their own cases and complications prior to the start of the session. The faculty will go over those cases one by one, as well as their own cases, to discuss common and uncommon complications, as well as opportunities for improvement. Residents, fellows, PAs/NPs, and physicians are encouraged to participate and present their own questions to this outstanding faculty.</p>	<p><i>Moderator:</i> Richard Rosenquist, MD Wyndam Strodtbeck, MD</p>	Splash 14 2 credits
4:30 pm	6:30 pm	<p><i>IS-05 Ask the Expert Interactive Session</i> Practice Management: Establishing an Efficient Acute Pain Service and Demonstrating Value Economics of an Acute Pain Service: What Services and What Resources Acute Pain Service: Beyond a Purely Regional Anesthesia Model Developing a Surgical Home: Developing Protocols and The Role of the Acute Pain Service Collaboration Between the Acute and Chronic Pain Services Demonstrate your worth to your hospital leadership and physician colleagues. The session will be led by faculty with experience in acute pain, regional anesthesia, and interventional pain settings. With a focus on practice management and the economics of an acute pain services, you'll also discuss the impact on new federal initiatives and how your acute pain services can increase your hospital's worth and financial viability. Finally, there will be discussions on the role of the acute pain services in the perioperative surgical home and how the acute and chronic pain services can interact for optimal patient care and satisfaction. Session participants will come away with a fresh look at how they can improve their standing in their health systems and demonstrate the value of their services.</p>	<p><i>Moderator:</i> John Rowlingson, MD Edward Mariano, MD John Rowlingson, MD Maxim Eckmann, MD</p>	Splash 17/18 2 credits

Ask the Expert Interactive Sessions - Friday, November 20, 2015 *(additional fee, open to all)*

2:00pm	4:00 pm	<p><i>IS-06 Ask the Expert Interactive Session</i> Research in Pain Medicine: Introduction to Performing Clinical Research Choosing the Right Study Design for Clinical Research and Statistical Considerations Economic Sources for Research: Institution, Industry, Government How to Grade Clinical Evidence Searching the Literature: Different Search Engines and Their Differences Interested in research but don't know where to start or who can help you? Do you want to take your career to the next level? This interactive session is led by experts in basic science and clinical research who will explore various aspects such as how to design a study; statistical considerations; and how to explore institutional, governmental or industry grants. They will also discuss how to grade the clinical evidence and pearls on searching the literature and the different search engines in biomedical research. This is the perfect opportunity for residents, fellows, PAs/NPs, and physicians who may be interested in starting a research project or just a refresher on interpreting the current pain medicine literature.</p>	<p><i>Moderator:</i> James Eisenach, MD James Eisenach, MD Constantine Sarantopoulos, MD Andreas Beutler, MD Ennio Tasciotti, PhD</p>	Splash 17/18 2 credits
4:45 pm	6:45 pm	<p><i>IS-07 Ask the Expert Interactive Session</i> Ketamine: An Old Drug and New Tricks? Ketamine for Acute Perioperative Pain and Opioid Tolerant Patients Ketamine for Chronic Pain Mechanisms of Action of Ketamine Protocols for Delivering Ketamine: Dosing and Complications This interactive session will explore the rebirth of ketamine in the perioperative and chronic pain setting. The faculty will review the mechanism of action; discuss the evidence in the perioperative management and chronic pain management of opioid-tolerant patients; and explore different protocols for delivering ketamine in these two settings. This session will bring expert faculty experienced in the perioperative and chronic management of patients in pain. This session presents an invaluable opportunity for residents, fellows, PAs/NPs, and physicians who are considering incorporating ketamine to their practice.</p>	<p><i>Moderator:</i> Eugene Viscusi, MD Eugene Viscusi, MD Timothy Lubenow, MD Andrea Nicol, MD John Rowlingson, MD</p>	Splash 17/18 2 credits



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8:00 am	10:00 am	<i>IS-08 Ask the Expert Interactive Session</i>	<i>Moderator:</i>	Splash 17/18
		Practice Management: Delivering and Demonstrating Value in Pain Medicine	Kevin Vorenkamp, MD	
		Can an Academic Pain Practice Be Financially Successful?	Richard Rosenquist, MD	2 credits
		How Do Private Practitioners Participate in an Accountable Care Organization (ACO) and Is It Economically Viable?	Jason Pope, MD	
		ACOs and Population Based Patient Care	Christopher Gilligan, MD	
		Key Financial Points of a Successful Clinical Care Team: "Incident to" Services in Physician-Directed Clinics and Hospital Services	Kevin Vorenkamp, MD	
		Want to know how to lead your practice into a successful future? This interactive session will focus on demonstrating value in pain medicine, staying ahead of changes and anticipating future trends. The expert faculty are experienced in academic, hospital-based and private practice settings and will share the secrets of benchmark practices that provide high quality care and demonstrate economic value to their health systems. The key points will carry over to any pain medicine practice and there will be ample opportunity for participants to interact and ask questions of the faculty and discuss key points relevant to their practices. Finally, there will be discussion of how to determine whether your current practice is meeting benchmark standards and strategies that can be used to improve or maintain the level of care and quality you are targeting. This session is a must for physicians, physician extenders, and practice management or hospital leaders who want to get (and demonstrate) the most out of their pain medicine practices.		

Resident/Fellow Program - Friday, November 20, 2015

7:00 am	7:45 am	Non-CME Promotional Session by TBD		Fontaine
7:30 am	8:00 am	Getting Started Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café	Exhibit Hall	Sparkle East
8:00 am	10:00 am	Introduction and Hot Topics in Pain Medicine 8:00 am Welcome and Introduction 8:10 am Resident Awards/Best of Abstracts Presentations 9:00 am Pain Psychology for the Pain Physician 9:30 am Neuropathic Pain and Phantom Limb Pain	<i>Moderator:</i> Ellen W. K. Rosenquist, MD Jennifer Bunch, MD Ellen W. K. Rosenquist MD Robert Jamison, MD Gary Brenner, MD	Fleur de Lis 1 credit
10:00 am	10:45 am	Morning Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café	Exhibit Hall	Sparkle East
10:45 am	12:45 pm	Hot Topics in Pain Medicine (con't) 10:45 am Vertebral Augmentation: Patient Selection, Complications, and Outcomes 11:15 am CRPS: Assessment, Diagnosis, Treatment, and Outcome 11:45 am Neurologic Physical Examination for the Pain Physician 12:15 pm Panel Discussion and Open Forum	<i>Moderator:</i> Timothy Lubenow, MD Amitabh Gulati, MD Timothy Lubenow, MD Brian Wainger MD	Fleur de Lis 2 credits
12:45 pm	2:00 pm	Lunch On Own or		
1:00 pm	1:45 pm	Non-CME Promotional Sessions by Nevro		Fontaine
2:00 pm	4:00 pm	The Match and Career after Fellowship 2:15 pm Practice Management and Billing 2:45 pm Academic Practice 3:15 pm Private Practice 3:45 pm Panel Discussion and Open Forum	<i>Moderator:</i> Gary Brenner, MD Kevin Vorenkamp, MD Gary Brenner, MD Leonardo Kapural, MD	Fleur de Lis
4:00 pm	4:45 pm	Afternoon Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café	Exhibit Hall	Sparkle East
4:45 pm	6:45 pm	Resident/Fellow Career Fair and Reception <i>Jointly organized by: ASRA and the Association of Pain Program Directors (APPD)</i> <i>Generously supported by: Medtronic</i>		Fleur de Lis

Resident/Fellow Program - Saturday, November 21, 2015

7:30 am	8:00 am	Getting Started Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café		Sparkle East
8:00 am	10:00 am	<i>Resident/Fellow Workshop (WS-20) (additional fee, ticket required)</i> Fluoroscopy Workshop Neuroradiology, Fluoroanatomy, and Hands-On Fluoroscopy Workshops	<i>Lead:</i> James Rathmell, MD <i>Faculty:</i> Ellen W. K. Rosenquist, MD	<i>Associate Faculty:</i> Esther Benedetti, MD Wyndam Strotbeck, MD Splash 14/15/16 2 credits
10:00 am	10:45 am	Morning Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café	Exhibit Hall	Sparkle East
10:45 am	12:45 pm	<i>Resident/Fellow Workshop (WS-21) (additional fee, ticket required)</i> Ultrasound Workshop Ultrasound Anatomy and Hands-On Workshops	<i>Lead:</i> Edward Mariano, MD <i>Faculty:</i> Amitabh Gulati, MD Anahi Perlas, MD	<i>Associate Faculty:</i> Sean Colio, MD Maxim Eckmann, MD Splash 14/15/16 2 credits

Physician Assistant/Nurse Practitioner Program - Saturday, November 21, 2015

- After participating in this educational program, participants should be able to:
1. Discuss treatment options for patients with a history of addiction and chronic pain.
 2. Assess the pharmacology and indications of pain medications and adjuvants.
 3. Better manage complex patients.
 4. Identify basic practice management principles.
 5. Discuss issues and questions in pain management as they relate to PA's and NP's.
 6. Establish a network of pain medicine professionals.

7:30 am	8:00 am	Getting Started Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Caf�	Exhibit Hall	Sparkle East
8:00 am	10:00 am	Treating Patients with a History of Addiction and Chronic Pain Welcome and Introduction	<i>Moderator:</i> Bridget Calhoun, Dr PH, PA-C Bridget Calhoun, Dr PH, PA-C Giovanna De Oliveira, PhD, NP-C, RN Eugene Viscusi, MD	Fleur de Lis 2 credits
8:10 am		Medical Management of Pain in Patients with a History of Addiction <i>After this session, participants should be able to:</i> 1. Review the pathophysiology of addiction and pleasure centers in the brain. 2. Appreciate the unique needs of patients with addiction who have chronic pain. 3. Discuss non-opioid medications that can be used to manage pain in patients with a history of addiction. 4. Identify variables that should be considered when monitoring the treatment of pain in patients with a history of addiction.		
8:30 am		Opioid-Induced Hyperalgesia: Does Weaning Resolve the Hyperalgesia? <i>After this session, participants should be able to:</i> 1. Define opioid-induced hyperalgesia. 2. Explore the clinical and social implications for patients with hyperalgesia. 3. Discuss best practices in weaning opioids to resolve hyperalgesia. 4. Develop strategies to manage patients with opioid-induced hyperalgesia.	David Clark, MD	
8:50 am		Surveillance of Chronic Pain Patients with a History of Addiction <i>After this session, participants should be able to:</i> 1. Propose ways clinicians can provide patient education and counseling to patients with chronic pain and a history of addiction. 2. Recognize that poorly managed pain and/or poor coping skills may serve as triggers for aberrant behavior. 3. Appreciate the clinical utility and risk profile of methadone when used to treat chronic pain. 4. Review the components of a treatment agreement used in patients with a history of addiction. 5. Discuss the role of urine drug testing when monitoring patients who are prescribed analgesics.	Magdalena Anitescu, MD	
9:10 am		Does Buprenorphine Relieve Pain in Opioid-Tolerant Patients? <i>After this session, participants should be able to:</i> 1. Explain the clinical challenges in treating pain in patients who are opioid-tolerant. 2. Describe the mechanism of action of buprenorphine. 3. Identify the social, psychiatric and behavioral issues among opioid-tolerant patients with acute pain. 4. Recognize the efficacy of and dosing schedule for buprenorphine. 5. Appreciate the role of buprenorphine in pain management practices and in primary care practices.	Daniel Warren, MD	
9:30 am		Panel Discussion and Open Forum <i>After this session, participants should be able to:</i> 1. Review key points from previous sessions and clarify any remaining questions.		
10:00 am	10:45 am	Morning Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Caf�	Exhibit Hall	Sparkle East
10:45 am	12:45pm	Pharmacology and Indications of Pain Medications and Adjuvants Pharmacology and Indications of Opioids <i>After this session, participants should be able to:</i> 1. Identify causes of chronic pain that can be treated with opioids. 2. Explain the mechanism of action of opioids. 3. Recognize potential side effects of opioids. 4. Discuss the epidemiology of opioid use, misuse and dependence. 5. Identify provider factors and patient characteristics that may influence opioid prescribing decisions. 6. Become familiar with the opioid risk abuse risk assessment tools and the utilization within pain management practices.	<i>Moderator:</i> Bridget Calhoun, Dr PH, PA-C John Rowlingson, MD	Fleur de Lis 2 credits
11:15 am		Pharmacology and Indications of NSAIDs and COX-2 Inhibitors <i>After this session, participants should be able to:</i> 1. Identify causes of chronic pain that can be treated with NSAIDs. 2. Identify causes of chronic pain that can be treated with COX-2 inhibitors. 3. Identify the mechanism of action of COX-2 inhibitors. 4. Review the limitations in using COX-2 inhibitors. 5. Consider the clinical implications of chronic use of NSAIDs and COX-2 inhibitors.	Daniel Warren, MD	
11:45 am		Pharmacology and Indications of Anticonvulsants and Antidepressants	Brett Stacey, MD	

After this session, participants should be able to:

1. Review the pathophysiology of neuropathic pain.
2. Identify conditions that can be treated with anticonvulsants and antidepressants.
3. Discuss the mechanism of action of anticonvulsants.
4. Classify antidepressant medications and identify those used.
5. Explain how anticonvulsants and antidepressants can be effective in treating neuropathic pain.
6. Review the clinical utility of duloxetine in the management of neuropathic pain.

12:15 pm

Panel Discussion and Open Forum

After this session, participants should be able to:

1. Review key points from previous sessions and clarify any remaining questions.

Special Event

12:45 pm	2:30 pm	Excellence in ASRA Awards Luncheon	Gary Brenner, MD	Sparkle West
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2:45	4:45 pm	Complex Patients and Basics of Practice Management	<i>Moderator:</i> Giovanna De Oliveira, PhD, NP-C, RN	Fleur de Lis
2:45 pm		Identification of Complications Post-Procedures: What to Look For	Amitabh Gulati, MD	2 credits

After this session, participants should be able to:

1. List common invasive/ surgical procedures performed in pain management practices.
2. Review potential complications of common invasive procedures performed in pain management practices.
3. Discuss the epidemiology of complications related to laminectomy, fusion discectomy and micro-discectomy.
4. Describe the physical examination findings in, and management of, patients who are experiencing post-procedure hematoma.
5. Describe the physical examination findings in, and the management of, patients with post-procedure infection.

3:15 pm

How to Approach a Patient with Low Back Pain That Has Failed Interventional Therapy

Magdalena Anitescu, MD

After this session, participants should be able to:

1. Review the epidemiology of low back pain in the United States.
2. Describe the interventional therapies available for patients with low back pain.
3. Recognize the unique clinical and social needs of the patient who has failed interventional therapy for low back pain.
4. Discuss the challenges in managing the patient who has failed interventional therapy for chronic low back pain.
5. Share best practices and review case studies involving patients who have failed interventional therapy for chronic low back pain.

3:45 pm

Practice Management and Billing in Team-Based Pain Medicine

Kevin Vorenkamp, MD

After this session, participants should be able to:

1. Recognize the difference between ICD-10 codes, CPT codes and E&M codes.
2. Become familiar with the most common CPT codes used in pain management practices.
3. Ensure that coding is compatible with 3rd party payer requirements.
4. Discuss the similarities and differences in billing and coding for mid-level providers working in pain management practices.
5. Review the process for medical billing and adjudication to ensure health care providers are paid for their services.

4:15 pm

Panel Discussion and Open Forum

After this session, participants should be able to:

1. Review key points from previous sessions and clarify any remaining questions.

Moderated ePoster Sessions *(non-CME)*

Thursday, November 19, 2015

8:00 am	10:00 am	MP-01	Acute Pain	Christopher Gilligan, MD	Splash 13
10:45 am	12:45 pm	MP-02	Regional Anesthesiology/Emerging Technologies	Eugene Viscusi, MD	Splash 13
2:15 pm	4:15 pm	MP-03	Case Series/Education	Anahi Perlas, MD, FRCPC	Splash 13
4:30 pm	6:30 pm	MP-04	Medically Challenging Cases	Tony Yaksh, PhD	Splash 13

Friday, November 20, 2015

8:00 am	10:00 am	MP-05	Medically Challenging Cases	John Rowlingson, MD	Splash 13
10:45 am	12:45 pm	MP-06	Medically Challenging Cases	Mark Wallace, MD	Splash 13
2:00 pm	4:00 pm	MP-07	Medically Challenging Cases/Chronic Pain	Maxim Eckmann, MD	Splash 13
4:45 pm	6:45 pm	MP-08	Chronic Pain	Edward Mariano, MD	Splash 13

Saturday, November 21, 2015

8:00 am	10:00 am	MP-09	Chronic Pain	Marc Huntoon, MD	Splash 13
10:45 am	12:45 pm	MP-10	Chronic Pain	Honorio Benzon, MD	Splash 13
2:45 pm	4:45 pm	MP-11	Chronic Pain	James Eisenach, MD	Splash 13