



15th Annual Pain Medicine Meeting

November 17-19, 2016
 Hilton San Diego Bayfront Hotel
 San Diego, California

See you there!



Thursday, November 17, 2016

Session	Plenary	Workshop	Workshop	Workshop	Interactive Sessions	Moderated ePoster						
Room	Indigo DH	Aqua ABC	Aqua D	Aqua EF	Indigo 204	Indigo 202A						
7:00 AM	Getting Started Registration and Breakfast in Foyer											
7:15 AM												
7:30 AM												
7:45 AM	Welcome and Opening Addresses											
8:00 AM												
8:15 AM	Refresher Course Basic Sciences and Novel Analgesics	TICKET WS-01 Full-Day Special Session Ultrasound Workshop (cadaver, live model) MSK Ultrasound	TICKET WS-02 Hands-On Fluoroscopy Workshop (cadaver) Sacroiliac Joint and Lumbar Spine Radiofrequency Denervation Techniques (including Cooled RFA)	TICKET WS-03 Hands-On Fluoroscopy Workshop (cadaver) Lumbar, Thoracic, and Cervical Facet Joint Blocks	IS-01 Ask the Expert Interactive Session Complications in Pain Medicine: How to Prevent Them? <i>Now open to all attendees, no registration required but seats are limited</i>	MP-01 Moderated ePosters						
8:30 AM												
8:45 AM												
9:00 AM												
9:15 AM												
9:30 AM												
9:45 AM												
10:00 AM												
10:15 AM							Break in Foyer					
10:30 AM							Refresher Course Dorsal Root Ganglion Is Back: New Treatment Target	TICKET WS-04 Hands-On Fluoroscopy Workshop (cadaver) Cervical and Thoracic Spine Blocks: Medial Branches/ Intraarticular, Epidural Catheter Steering/Adhesiolysis	TICKET WS-05 Hands-On Fluoroscopy and Ultrasound Workshop (cadaver, live model) Fusion: Ultrasound and Fluoroscopy for Abdominal and Pelvic Blocks (TAP/Ilioinguinal, Pudendal Nerve, Pelvic Floor m/Obturator Internus/Piriformis, Sacroccygeal Lig, Caudal Access)	IS-02 Ask the Expert Interactive Session Measuring Pain Data Outcomes and How This Influences Reimbursement <i>Now open to all attendees, no registration required but seats are limited</i>	MP-02 Moderated ePosters	
10:45 AM												
11:00 AM												
11:15 AM												
11:30 AM												
11:45 AM												
12:00 PM												
12:15 PM												
12:30 PM	Lunch on Own											
12:45 PM												TICKET
1:00 PM							PBLD Luncheon					
1:15 PM												
1:30 PM												
1:45 PM	Refresher Course Headaches and Migranes for the Pain Physician	TICKET WS-06 Hands-On Fluoroscopy Workshop (cadaver) Intradiscal Procedures: Provocative Discography, Biacuplasty	TICKET WS-07 Hands-On Fluoroscopy Workshop (cadaver) Sympathetic Blocks Upper Body and Abdomen (Cervico-Thoracic Chain, Splanchnic and Celiac)	IS-03 Ask the Expert Interactive Session Reading and Interpretation of Spinal Imaging: MRI, CT, SPECT, Myelogram	MP-03 Moderated ePosters							
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 Foyer						
4:15 PM						Refresher Course Imaging in Pain	TICKET WS-08 Hands-On Fluoroscopy and Ultrasound Workshop (cadaver, live model) Fusion: Ultrasound and Fluoroscopy for Hip and Knee Blocks, Radiofrequency Denervation (including Cooled Radiofrequency Ablation)	TICKET WS-09 Hands-On Fluoroscopy Workshop (cadaver) Sympathetic Blocks, Pelvic and Lower Extremity (Lumbar Sympathetic Block, Superior Hypogastric Plexus, Ganglion Impar)	IS-04 Ask the Expert Interactive Session Managing Complex Cancer Cases <i>Now open to all attendees, no registration required but seats are limited</i>	MP-04 Moderated ePosters		
4:30 PM												
4:45 PM												
5:00 PM												
5:15 PM												
5:30 PM												
5:45 PM												
6:00 PM												
6:15 - 7:30 PM	Special Event Wine and Bubbly Networking Reception and Exhibit Hall Grand Opening											



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Main Meeting - Thursday, November 17, 2016

7:00 am - 7:45 am Registration and Breakfast in Foyer

7:45 am - 8:15 am Welcome and Opening Addresses Indigo DH

7:45 am	Presidential Address	Oscar de Leon-Casasola, MD
7:55 am	ASRA Research Committee Chair Update	Gary Brenner, MD
8:05 am	Meeting Chair Welcome	Ricardo Vallejo, MD

8:15 am - 10:15 am *Refresher Course*

Basic Sciences and Novel Analgesics

Moderator:

Kevin Vorenkamp, MD

Indigo DH

8:15 am	Mechanisms Underlying the Transition from Acute to Chronic Postoperative Pain	Alfonso Romero-Sandoval, MD	2 credits
8:40 am	Emerging Pharmacological Strategies for the Treatment of Neuropathic Pain	Mark Wallace, MD	
9:05 am	Current Pharmacological Treatment for Neuropathic Pain: The Evidence	Richard Rosenquist, MD	
9:30 am	Interventional Techniques in Neuropathic Pain, From Blocks to Stimulation: the Evidence	David Provenzano, MD	
9:55 am	Panel Discussion and Open Forum		

10:15 am - 10:30 am Break and Refreshments in Foyer

10:30 am - 12:30 pm *Refresher Course*

Dorsal Root Ganglion (DRG) Is Back: New Treatment Target

Moderator:

Carlos Pino, MD

Indigo DH

10:30 am	Chronification of Pain: the Role of Neuroimmune Activation	Alfonso Romero-Sandoval, MD	2 credits
11:00 am	DRG in Radicular Pain: Diagnosis, Pathophysiology, and Rationale for Treatment	Gary Brenner, MD	
11:30 am	Pulsed Radiofrequency and Stimulation of the DRG	Marc Huntoon, MD	
12:00 pm	Panel Discussion and Open Forum		

12:30 pm - 2:00 pm Lunch On Own

or

12:45 pm - 1:45 pm **Problem-Based Learning Discussion (PBLD) Luncheon** (additional fee)

Indigo DH

1 credit

2:00 pm - 4:00 pm *Refresher Course*

Headaches and Migraines for the Pain Physician

Moderator:

Kevin Vorenkamp, MD

Indigo DH

2:00 pm	International Classification of Headaches and Migraine and Pharmacological Treatment	James Watson, MD	2 credits
2:30 pm	Algorithms for Treatment of Chronic Migraines, Medication Overuse, Occipital Headache, Cervicogenic Headache	Imanuel Lerman, MD	
3:00 pm	Nothing Worked, Now What? Interventional Techniques for the Treatment of Headaches	Samer Narouze, MD	
3:30 pm	Panel Discussion and Open Forum		

4:00 pm - 4:15 pm Break and Refreshments in Foyer

4:15 pm - 6:15 pm *Refresher Course*

Imaging in Pain

Moderator:

Kevin Vorenkamp, MD

Indigo DH

4:15 pm	Functional Brain Imaging in Pain: Overview and Clinical Significance	Sean Mackey, MD	2 credits
4:45 pm	Imaging to Guide Interventions: Are They Reliable Tools?	Steven P. Cohen, MD	
5:15 pm	Making Rational Choices When Selecting the Best Imaging: Alternatives for the	John Carrino, MD	
5:45 pm	Panel Discussion and Open Forum		

6:15 pm - 7:30 pm Wine and Bubbly Networking Reception and Exhibit Hall Grand Opening



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Problem Based Learning Discussions (PBLD) Thursday, November 17, 2016, 12:45-1:45 pm

(additional fee, lunch included)

1 CME credit each

Indigo DH

PBLD-01	Growth and Marketing Strategies for a New or Established Pain Practice	Jason Pope, MD	
PBLD-02	Clinical Implications of Brain Changes Associated with Long-Term Marijuana Use	Francesca Filbey, PhD	
PBLD-03	Regenerative Medicine: Platelet Rich Plasma Injections and Stem Cells - How to Prepare them and Bill Properly	Dmitri Souzdalnitski, MD	
PBLD-04	Patient with a Headache in the First Visit	James Watson, MD	HA
PBLD-05	Intrathecal Drug Combination, Selection, and Guidelines in Non-Cancer Pain	Salim Hayek, MD	
PBLD-06	Starting an Ultrasound Program: An Introduction to Equipment, Patient Selection, and Billing	Antoun Nader, MD	US
PBLD-07	Common Sports Injuries and How to Treat Them	Elizabeth Huntoon, MD	
PBLD-08	Botulin Toxin for Headaches and Other Indications	Michael Ferrante, MD	HA
PBLD-09	Epidural Steroid Injections in 2016	Ramsin Benyamin, MD	
PBLD-10	Interventional Pain and Anticoagulation Guidelines: Details and Practical Application	Honorio Benzon, MD	
PBLD-11	Radiofrequency Beyond the Spine: Knee, Hip, and Shoulder	Jeffrey Petersohn, MD	
PBLD-12	Preparing Your Practice for the Merit-Based Incentive Payment System (MIPS)	Richard Rosenquist, MD	
PBLD-14	Cannabis and Opioids: Combine or Not to Combine and Legal Implications	Mark Wallace, MD	
PBLD-15	Interventions for Headaches Not Responding to Pharmacological Therapies	Magdalena Anitescu, MD	HA
PBLD-16	Opioids in Chronic Non-Cancer Pain: What You Need to Know in 2016	Christine Peeters-Asdourian, MD	
PBLD-17	New Waveforms and Programming in Spinal Cord Stimulation	Timothy Deer, MD	
PBLD-18	How to Best Choose Your Imaging Test in Patients with Pain	John Carrino, MD	
PBLD-19	Conditioning Your Interventions to Performance Improvement Not to Pain Scores: Useful Tips	Christopher Gilligan, MD	
PBLD-20	Neuropathic Pain: Evidence-Based Approach to Pharmacological Management	Andrea Nicol, MD	MOC
PBLD-21	Tips to Manage the Chronic Pain Patient Around Surgery: Carpe Diem?	Marc Huntoon, MD	
PBLD-22	Optimizing the Use of Urine Toxicology Screen in Your Practice	Carlos Pino, MD	
PBLD-23	Workers Compensation Patients: The Good and Bad	Kenneth Scholtz, Esq.	
PBLD-24	Cervicogenic Headache: Diagnostic and Therapeutic Complexities	Gary Brenner, MD	HA
PBLD-25	Clinical Diagnosis of Opioid Induced Hyperalgesia	Jianren Mao, MD	



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Main Meeting - Friday, November 18, 2016

<i>breakfast)</i>			
7:00 am - 7:45 am	Xtampza® ER (oxycodone) An Extended-Release Opioid with a Proprietary		Indigo 204
7:30 am - 8:00 am	Getting Started		
	Registration Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café	Foyer Exhibit Hall	
8:00 am - 10:00 am	<i>PS-1a Parallel Session</i> Cannabinoids for Pain: Science, Politics, and Clinical Applications	<i>Moderator:</i> Mark Wallace, MD	Indigo DH
8:00 am	The Science of Cannabinoids for Pain Management	Mark Wallace, MD	2 credits
8:25 am	Would You Use Marijuana if You Knew The Long Term Effects on the Brain Structure and Function?	Francesca Filbey, PhD	
8:45 am	Regulatory, Legal, and Public Health Issues	Sanford Silverman, MD	
9:10 am	Recommendations for Clinical Practice and Research on Cannabinoids	Alfonso Romero-Sandoval, MD	
9:35 am	Panel Discussion and Open Forum		
8:00 am - 10:00 am	<i>PS-1b Parallel Session</i> Cancer Pain	<i>Moderator:</i> Daniel Warren, MD	Aqua ABC
8:00 am	Cancer Pain Syndromes	Daniel Warren, MD	2 credits
8:35 am	Paraneoplastic Pain Syndromes: Current Diagnosis and Treatments	Brian Wainger, MD	
9:10 am	Intrathecal Infusion Tools and Medication in Cancer: How Do We Make a Smart Choices?	Amitabh Gulati, MD	
9:40 am	Panel Discussion and Open Forum		
10:00 am - 10:45 am	Break in Exhibit Hall	Exhibit Hall	
	Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café		
10:45 am - 12:45 pm	<i>PS-2a Parallel Session</i> PQRS, MIPS, MACRA: How to Avoid Losing Reimbursement Fees	<i>Moderator:</i> David Provenzano, MD	Indigo DH
10:45 am	MIPS and Meaningful Use, PQRS, and Value-Based Programs: Practical Applications	Matthew Popovich, PhD	2 credits
11:10 am	Demonstrating Value: Benchmarking Past, Current, and Future	David Provenzano, MD	
11:35 am	Achieving a Performance Threshold: How Will I Be Scored in MIPS and Who Is My	Sharon Merrick, MS, CCS-P	
12:00 pm	Documentation, Coding, and Billing for Interventional Pain Management	Kevin Vorenkamp, MD	
12:25 pm	Panel Discussion and Open Forum		
10:45 am - 12:45 pm	<i>PS-2b Parallel Session</i> How Do We Reduce Surgery Rates for Spinal and Non-Spinal Conditions?	<i>Moderator:</i> Carlos Pino, MD	Aqua ABC
10:45 am	Degenerative Disc Disease: Molecular, Gene, and Cell-Based Therapies	Alexander Vaccaro, MD	2 credits
11:10 am	Predictors of Outcomes for Both Non-Surgical and Surgical Spine Care	Richard Rauck, MD	
11:35 am	Causes of Post-Laminectomy Pain Syndrome	Asokumar Buvanendran, MD	
12:00 pm	Interventions to Prevent Surgery: From Disc to Knee (PRP, RFL, Biacuplasty)	Dimitri Souzalnistki, MD	
12:25 pm	Panel Discussion and Open Forum		
12:45 pm - 2:00 pm	Lunch On Own		
or			
1:00 pm - 1:45 pm	Non-CME Promotional Session Organized by St. Jude Medical (<i>includes lunch</i>) The Patient's Pain, Well-Being and User-Experience: What Matters Most?		Indigo DH
or			
1:00 pm - 1:45 pm	Non-CME Promotional Session Organized by Nevro (<i>includes lunch</i>) Advancing Chronic Pain Treatment with HF10 Therapy		Aqua ABC
2:00 pm - 4:00 pm	<i>PS-3a Parallel Session</i> Integrative Medicine in Chronic Pain Management	<i>Moderator:</i> Lucy Chen, MD	Aqua ABC
2:00 pm	Cervical Manipulation: Pros and Cons	Elizabeth Huntoon, MD	2 credits
2:25 pm	Acupuncture in Chronic Pain: the Evidence	Lucy Chen, MD	
2:50 pm	Mind Body Intervention for Chronic Pain	Robert Saper, MD	
3:15 pm	Complementary Medicine and Acupuncture in Pain Management Research	Jianren Mao, MD	
3:40 pm	Panel Discussion and Open Forum		
2:00 pm - 4:00 pm	<i>PS-3b Parallel Sesssion</i> Chronic Low Back Pain (LBP): Using Jack-of-All-Trades Treatments, but Needing a Master	<i>Moderator:</i> Carlos Pino, MD	Indigo DH



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2:00 pm	Pathophysiology of Discogenic Pain and Facetogenic Pain	Steven P. Cohen, MD	2 credits
2:25 pm	An Algorithmic Approach for Treatment of Chronic LBP	Christine Peeters-Asdourian, MD	
2:50 pm	Spinal Stenosis: Is MILD an Alternative to Surgery?	Ramsin Benyamin, MD	
3:15 pm	Prevention of Failed Back Surgery Syndrome: A Surgeon's Perspective	Alexander Vaccaro, MD	
3:40 pm	Panel Discussion and Open Forum		

4:00 pm - 4:45 pm	Break in Exhibit Hall	Exhibit Hall	
	Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café		

	<i>PS-4a Parallel Session</i>	<i>Moderator:</i>	
4:45 pm - 6:45 pm	North American Neuromodulation Society (NANS) Panel	Todd Sitzman, MD	Indigo DH
4:45 pm	Dorsal Root Ganglion for Pain	Todd Sitzman, MD	2 credits
5:10 pm	Advances in MRI Compatibility for Spinal Cord Stimulation	Yair Safriel, MD	Neu
5:35 pm	High Frequency Stimulation for Low Back Pain	Kasra Amirdelfan, MD	
6:00 pm	Nerve Stimulation for Muscle Pain	John Chae, MD	
6:25 pm	Panel Discussion and Open Forum		

	<i>PS-4b Parallel Session</i>	<i>Moderator:</i>	
4:45 pm - 6:45 pm	Pediatric Pain	Charles Berde, MD	Aqua ABC
4:45 pm	Chronification of Acute Pain in Children: What Are the Consequences in Adulthood?	Santhanam Suresh, MD	2 credits
5:10 pm	Drug Dependence Before and After Medical Management in Children with Chronic Pain	Charles Berde, MD	Ped
5:40 pm	Experiences with Advanced Interventional Pain in Children	Santhanam Suresh, MD	
6:10 pm	Panel Discussion and Open Forum		



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Saturday, November 19, 2016

Session	Plenary	PA/NP Program	Workshop	Workshop	Resident/Fellow Workshops	Interactive Sessions	Moderated ePoster
Room	Indigo DH	Aqua ABC	Aqua D	Aqua EF	Aqua 310	Indigo 204	Indigo 202A
7:30 AM	Getting Started						
7:45 AM	Registration in Foyer Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café in Exhibit Hall						
8:00 AM	Plen-01 Plenary Session Regenerative Medicine	Physician Assistant/ Nurse Practitioner Program The Terminally Ill Patient: How We Can Help Make the End of Life Easier	TICKET WS-16 Hands-On Fluoroscopy and Ultrasound Workshop (cadaver, live model)	TICKET WS-17 Half-Day Special Session Fluoroscopy Workshop (cadaver)	TICKET WS-21 Resident/Fellow Workshop Fluoroscopy Workshop	IS-09 Ask the Expert Interactive Session Practice Management 1: Practical and Stepwise Survival Guide for MACRA (MIPS, APMS) for Chronic Pain Management Specialists <i>Now open to all attendees, no registration required but seats are limited</i>	MP-09 Moderated ePosters
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			Break in Exhibit Hall			
10:15 AM	Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café			Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café			
10:30 AM	Break in Exhibit Hall			Break in Exhibit Hall			
10:45 AM	Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café			Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café			
11:00 AM	Plen-02 Plenary Session Neuromodulation (Stimulation)	Physician Assistant/ Nurse Practitioner Program Chronic Low Back Pain	TICKET WS-18 Hands-On Fluoroscopy and Ultrasound Workshop (cadaver, live model)	TICKET WS-19 Hands-On Fluoroscopy Workshop (cadaver)	TICKET WS-22 Resident/Fellow Workshop Ultrasound Workshop	IS-10 Ask the Expert Interactive Session Practice Management 2: Successfully Growing Your Pain Program, Product Line, and Revenue <i>Now open to all attendees, no registration required but seats are limited</i>	MP-10 Moderated ePosters
11:15 AM							
11:30 AM							
11:45 AM							
12:00 PM							
12:15 PM							
12:30 PM							
12:45 PM							
1:00 PM	Special Event						
1:15 PM	Excellence in ASRA Awards Luncheon						
1:30 PM	Indigo DH						
1:45 PM	TICKET						
2:00 PM	Special Event						
2:15 PM	Excellence in ASRA Awards Luncheon						
2:30 PM	Indigo DH						
2:45 PM	TICKET						
3:00 PM	Plen-03 Plenary Session Opioid Prescriptions: The Deadliest US Epidemic?	Physician Assistant/ Nurse Practitioner Program Management of Complex Patients in the Pain Clinic	TICKET WS-19 Hands-On Fluoroscopy Workshop (cadaver)	TICKET WS-20 Hands-On Fluoroscopy Workshop (cadaver)		IS-11 Ask the Expert Interactive Session Practice Management 3: Economics, Compliance, and Human Resources <i>Now open to all attendees, no registration required but seats are limited</i>	MP-11 Moderated ePosters
3:15 PM							
3:30 PM							
3:45 PM							
4:00 PM							
4:15 PM							
4:30 PM							
4:45 PM							
5:00 PM	Session Adjournment and Free Time						
7:00-10:30 PM	Special Event						
	ASRA Annual Meeting Celebration						
	Fiesta on the Bay!						
	Admiral Hornblower Yacht setting sail from the Marriott Marquis Marina						
	TICKET						



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Main Meeting - Saturday, November 19, 2016

7:30 am - 8:00 am	Getting Started	Registration Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café	Foyer Exhibit Hall	
8:00 am - 10:00 am	<i>Plen-01 Plenary Session</i> Regenerative Medicine	Fundamentals of Stem Cell Therapy, Growth Factors, and Proteins Regulatory Position on Regenerative Medicine Critical Appraisal of the Evidence on Regenerative Medicine Regenerative Pain Medicine and Clinical Application in Spinal Pain Panel Discussion and Open Forum	<i>Moderator:</i> Dmitri Souzdalnitski, MD Armand Balboni, MD James Eisenach, MD Alexander Vaccaro, MD	Indigo DH 2 credits Reg
10:00 am - 10:45 am	Break in Exhibit Hall	Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café	Exhibit Hall	
10:45 am - 12:45 pm	<i>Plen-02 Plenary Session</i> Neuromodulation (Stimulation)	Mechanisms of Spinal Neuromodulation New Anatomical Targets in Neuromodulation New Waves on SCS - Burst, High Frequency, and Subthreshold: Are They Better? Convincing Payers that Neuromodulation Is Good for Patients and for Them: A Panel Discussion and Open Forum	<i>Moderator:</i> Richard Rauck, MD Ricardo Vallejo, MD Leonardo Kapural, MD David Provenzano, MD	Indigo DH 2 credits Neu
12:45 pm - 2:45 pm	<i>Special Event</i> Excellence in ASRA Awards Luncheon	Buffet Lunch Service (<i>additional fee, ticket required</i>) Best of Meeting Abstracts Awards and Presentations John J. Bonica Award Lecture: Outcome Measurement Tools in Chronic Pain Research: Guidance, Not Guidelines Adjournment and Move to Next Session	<i>Moderator:</i> Gary Brenner, MD	Indigo DH .75 credits
2:45 pm - 5:00 pm	<i>Plen-03 Plenary Session</i> Opioid Prescriptions: The Deadliest US Epidemic?	Center for Disease Control Guidelines on Opioid Use Marijuana and Opioids: To Combine or Not? Evidence for Chronic Opioid Therapy in Chronic Pain Panel Discussion and Open Forum	<i>Moderator:</i> Asokumar Buvanendran, MD Mark Wallace, MD Christine Peeters-Asdourian, MD	Indigo DH 2.25 credits MOCA
5:00 pm - 7:00 pm	Session Adjournment and Free Time			
7:00 pm - 10:30 pm	<i>Special Event</i> ASRA Annual Meeting Celebration: Fiesta on the Bay! (<i>additional fee, ticket required</i>)	Admiral Hornblower Yacht Setting Sail from the Marriott Marquis Marina		



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Workshops - Thursday, November 17, 2016

(additional fee, physicians only)

8:15 am - 12:45 pm	Morning Workshop Coordinator	Daniel Warren, MD	
8:15 am - 5:45 pm	<p><i>WS-01 Full-Day Special Session Ultrasound Workshop (cadaver, live model)</i> MSK Ultrasound View full program: includes lunch with the experts</p>	<p>Lead: Samer Narouze, MD</p> <p>Faculty: Thomas Grant, MD James Modir, MD Levon Nazarian, MD Phillip Peng, MD David Provenzano, MD Hariharan Shankar, MD Dmitri Souzdalnitski, MD</p>	<p>Associate Faculty: Robert Bolash, MD Mauricio Forero, MD Maged Mina, MD Hong Vo, MD</p> <p>Aqua ABC 8 credits </p>
8:15 am - 10:15 am	<p><i>WS-02 Hands-On Fluoroscopy Workshop (cadaver)</i> Sacroiliac Joint and Lumbar Spine Radiofrequency Denervation Techniques (including Cooled RFA) <i>Review of Consensus</i></p>	<p>Lead: Carlos Pino, MD</p> <p>Faculty: Bruce Vrooman, MD</p>	<p>Associate Faculty: Esther Benedetti, MD</p> <p>Aqua D 2 credits</p>
8:15 am - 10:15 am	<p><i>WS-03 Hands-On Fluoroscopy Workshop (cadaver)</i> Lumbar, Thoracic, and Cervical Facet Joint Blocks</p>	<p>Lead: Magdalena Anitescu, MD</p>	<p>Associate Faculty: Maged Guirguis, MD</p> <p>Aqua EF 2 credits</p>
10:30 am - 12:30 pm	<p><i>WS-04 Hands-On Fluoroscopy Workshop (cadaver)</i> Cervical and Thoracic Spine Blocks: Medial Branches/Intraarticular, Epidural Catheter Steering/Adhesiolysis</p>	<p>Lead: Kevin Vorenkamp, MD</p> <p>Faculty: Andrea Nicol, MD Jeffrey Petersohn, MD</p>	<p>Associate Faculty: Dalia Elmofly, MD Maged Guirguis, MD</p> <p>Aqua D 2 credits</p>
10:30 am - 12:30 pm	<p><i>WS-05 Hands-On Fluoroscopy and Ultrasound Workshop (cadaver, live model)</i> Fusion: Ultrasound and Fluoroscopy for Abdominal and Pelvic Blocks (TAP/Ilioinguinal, Pudendal Nerve, Pelvic Floor m/Obturator Internus/Piriformis, Sacroccygeal Lig, Caudal Access)</p>	<p>Lead: Philip Peng, MD</p> <p>Faculty: Anuj Bhatia, MD Peter Cheng, MD</p>	<p>Associate Faculty: Esther Benedetti, MD</p> <p>Aqua EF 2 credits </p>
2:00 pm - 6:15 pm	Afternoon Workshop Coordinator	Andrea Nicol, MD	
2:00 pm - 4:00 pm	<p><i>WS-06 Hands-On Fluoroscopy Workshop (cadaver)</i> Intradiscal Procedures: Provocative Discography, Biacuplasty</p>	<p>Lead: Leonardo Kapural, MD</p> <p>Faculty: Maxim Eckmann, MD</p>	<p>Aqua D 2 credits</p>
2:00 pm - 4:00 pm	<p><i>WS-07 Hands-On Fluoroscopy Workshop (cadaver)</i> Sympathetic Blocks Upper Body and Abdomen (Cervico-Thoracic Chain, Splanchnic and Celiac)</p>	<p>Lead: Timothy Lubenow, MD</p> <p>Faculty: Bruce Vrooman, MD</p>	<p>Associate Faculty: Maged Guirguis, MD</p> <p>Aqua EF 2 credits</p>
4:15 pm - 6:15 pm	<p><i>WS-08 Hands-On Fluoroscopy and Ultrasound Workshop (cadaver, live model)</i> Fusion: Ultrasound and Fluoroscopy for Hip and Knee Blocks, Radiofrequency Denervation (including Cooled Radiofrequency Ablation)</p>	<p>Lead: Jeffrey Petersohn, MD</p> <p>Faculty: Ramsin Benyamin, MD Maxim Eckmann, MD</p>	<p>Associate Faculty: Esther Benedetti, MD</p> <p>Aqua D 2 credits </p>
4:15 pm - 6:15 pm	<p><i>WS-09 Hands-On Fluoroscopy Workshop (cadaver)</i> Sympathetic Blocks, Pelvic and Lower Extremity (Lumbar Sympathetic Block, Superior Hypogastric Plexus, Ganglion Impar)</p>	<p>Lead: Amitabh Gulati, MD</p> <p>Faculty: Eliezer Soto, MD</p>	<p>Aqua EF 2 credits</p>



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8:00 am - 12:45 pm Morning Workshop Coordinator Maxim Eckmann, MD

8:00 am - 12:45 pm *WS-11 Half-Day Special Session Ultrasound Workshop (cadaver, live model)*
Ultrasound in Pain Medicine
[View full program](#)

Lead:
Samer Narouze, MD

Faculty:
Peter Cheng, MD
Roderick Finlayson, MD
Immanuel Lerman, MD
James Modir, MD
Philip Peng, MD
David Provenzano, MD

Associate Faculty:
Robert Bolash, MD
Mauricio Forero, MD
Maged Mina, MD
Hong Vo, MD

Aqua EF credits

2:00 pm - 6:45 pm Afternoon Workshop Coordinator Magdalena Anitescu, MD, PhD

2:00 pm - 6:45 pm *WS-12 Half-Day Special Session Fluoroscopy Workshop (cadaver)*
Radiofrequency Ablation: Cervical, Thoracic, Lumbar, and Sacroiliac Joint

Lead:
Maxim Eckmann, MD

Faculty:
Christopher Gilligan, MD
Andrea Nicol, MD

Associate Faculty:
Esther Benedetti, MD

Aqua D credits

2:00 pm - 4:00 pm *WS-13 Hands-On Ultrasound Workshop (live model)*
Applications in the Thoracic and Lumbar Spine: Facet, Epidurals, Paravertebral, Nerve Roots, MB

Lead:
Hariharan Shankar, MD

Faculty:
Immanuel Lerman, MD

Aqua EF 2 credits

2:00 pm - 4:00 pm *WS-14 Interactive Demonstration Workshop*
Botulinum Toxin for Headache Management and Shoulder Girdle/Cervical Myofascial Pain

Lead:
Michael Ferrante, MD

Faculty:
Brian Wainger, MD

Aqua 310 2 credits

4:45 pm - 6:45 pm *WS-15 Hands-On Ultrasound Workshop (cadaver)*
Ultrasound Guided Blocks of the Head and Neck: Stellate Ganglion, Cervical Medial Branches, GON/LON/TON, Peripheral Trigeminal Blocks and Maxillary Nerve

Lead:
Philip Peng, MD

Faculty:
Antoun Nader, MD
Dimitri Souzdalnitski, MD

Aqua EF 2 credits



15th Annual Pain Medicine Meeting

November 17-19, 2016
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Workshops - Saturday, November 19, 2016

(additional fee, physicians only)

8:00 am - 12:45 pm	Morning Workshop Coordinator	Maunak Rana, MD	
	<i>WS-16 Hands-On Fluoroscopy and Ultrasound Workshop (cadaver, live model)</i> Fusion: Bridging from Fluoroscopy to Ultrasound for Blocks of the Head and Neck (Trigeminal Ganglion, SPG, Cervical Medial Branches/TON, Stellate Ganglion)	<i>Lead:</i> Antoun Nader, MD	Aqua D 2 credits
8:00 am - 10:00 am		<i>Faculty:</i> Maxim Eckmann, MD Tim Lubenow, MD Kevin Vorenkamp, MD	<i>Associate Faculty:</i> Dalia Elmofly, MD
	<i>WS-17 Half-Day Special Session Fluoroscopy Workshop (cadaver)</i> Surgical Practicum for Implantation of Spinal Stimulators, Intrathecal Drug Delivery Systems, and Facial Peripheral Nerve Stimulators	<i>Lead:</i> Jason Pope, MD	Aqua EF 4.75 credits
		<i>Faculty:</i> Salim Hayek, MD Joshua Wellington, MD	
	<i>WS-18 Hands-On Fluoroscopy and Ultrasound Workshop (cadaver, live model)</i> Fusion: Ultrasound and Fluoroscopic Techniques for Treating Soft Tissue Injuries (Platelet Rich Plasma, Hip/Knee/Shoulder Injection and Visco-Supplementation, Trochanteric Injection, Elbow/Wrist, Suprascapular Nerve Injection)	<i>Lead:</i> Peter Cheng, MD	Aqua D 2 credits
10:45 am - 12:45 pm		<i>Faculty:</i> Hariharan Shankar, MD Eliezer Soto, MD Dmitri Souzdalnitski, MD	<i>Associate Faculty:</i> Dalia Elmofly, MD
2:45 pm - 5:00 pm	Afternoon Workshop Coordinator	Maxim Eckmann, MD	
	<i>WS-19 Hands-On Fluoroscopy Workshop (cadaver)</i> Minimally Invasive Lumbar Decompression (MILD)	<i>Lead:</i> Jason Pope, MD	Aqua D 2.25 credits
2:45 pm - 5:00 pm		<i>Faculty:</i> Farshad Ahadian, MD Ramsin Benyamin, MD Ricardo Vallejo, MD	
	<i>WS-20 Hands-On Fluoroscopy Workshop (cadaver)</i> Vertebral Augmentation (Kyphoplasty / Vertebroplasty / KIVA)	<i>Lead:</i> Maunak Rana, MD	Aqua EF credits
		<i>Faculty:</i> Eliezer Soto, MD Bruce Vrooman, MD	



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Ask the Expert Interactive Sessions - Thursday, November 17, 2016

(open to all attendees, no registration required except IS-03 and IS-06, seats are limited)

8:15 am - 10:15 am	<i>IS-01 Ask the Expert Interactive Session (no additional fee, space is limited)</i>	Complications in Pain Medicine: How to Prevent Them	<i>Moderator:</i> Marc Huntoon, MD	Indigo 204
		Nerve Injuries and Complications with Implantable Devices	Ramsin Benyamin, MD Salim Hayek, MD	2 credits
10:30 am - 12:30 pm	<i>IS-02 Ask the Expert Interactive Session (no additional fee, space is limited)</i>	Measuring Pain Data Outcomes and How This Influences Reimbursement	<i>Moderator:</i> Sean Mackey, MD	Indigo 204
		Health Outcomes Registries: Where Are We in 2016? How Understanding Your Data Can Influence Your Reimbursement	Richard Rauck, MD Richard Rosenquist, MD	2 credits
2:00 pm - 4:00 pm	<i>IS-03 Ask the Expert Interactive Session (additional fee)</i>	Reading and Interpretation of Spinal Imaging: MRI, CT, SPECT, Myelogram	<i>Moderator:</i> James Rathmell, MD	Indigo 204
		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.	John Carrino, MD Brian Wainger, MD	2 credits
4:15 pm - 6:15 pm	<i>IS-04 Ask the Expert Interactive Session (no additional fee, space is limited)</i>	Managing Complex Cancer Cases	<i>Moderator:</i> Daniel Warren, MD	Indigo 204
		Optimizing the Use of Intrathecal Therapy in Cancer Pain Paraneoplastic Pain Syndrome	Timothy Deer, MD Brian Wainger, MD	2 credits

Ask the Expert Interactive Sessions - Friday, November 18, 2016

(open to all attendees, no registration required except IS-03 and IS-06, seats are limited)

8:00 am - 10:00 am	<i>IS-05 Ask the Expert Interactive Session (no additional fee, space is limited)</i>	Alternative Treatments for Chronic Headaches not Responding to Conventional Therapy	<i>Moderator:</i> Magdalena Anitescu, MD	Indigo 204
		Botulinum Toxin for Headaches: When to Do It and How to Get Reimbursed Intravenous Alternative Treatments	Michael Ferrante, MD Jeffrey Petersohn, MD	2 credits
10:45 am - 12:45 pm	<i>IS-06 Ask the Expert Interactive Session (additional fee)</i>	Musculoskeletal and Neurologic Physical Examination for the Pain Medicine Practitioner	<i>Moderator:</i> Elizabeth Huntoon, MD	Aqua D
		MSK Exam Neurological Exam 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.	Esther Benedetti, MD Brian Wainger, MD	2 credits
2:00 pm - 4:00 pm	<i>IS-07 Ask the Expert Interactive Session (no additional fee, space is limited)</i>	Transitioning from Fluoroscopy to Ultrasound Pain Practice	<i>Moderator:</i> Eliezer Soto, MD	Indigo 204
		When to Use Fluoroscopy When to Use Ultrasound	Anuj Bhatia, MD Maunak Rana, MD	2 credits
4:45 pm - 6:45 pm	<i>IS-08 Ask the Expert Interactive Session (no additional fee, space is limited)</i>	Effectively Prescribing Opioid Therapy and Maintaining Your License	<i>Moderator:</i> Mark Wallace, MD	Indigo 204
			Ramsin Benyamin, MD Leonardo Kapural, MD Sanford Silverman, MD	2 credits
4:45 pm - 6:45 pm	<i>IS-12 Ask the Expert Interactive Session (no additional fee, space is limited)</i>	Integrative Tools for Pain Management	<i>Moderator:</i> Lucy Chen, MD	Aqua 310
			Elizabeth Huntoon, MD Jianren Mao, MD Robert Saper, MD	2 credits



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Ask the Expert Interactive Sessions - Saturday, November 19, 2016

(open to all attendees, no registration required unless indicated, seats are limited)

IS-09 Ask the Expert Interactive Session (no additional fee, space is limited)

Practice Management 1: Practical and Stepwise Survival Guide for MACRA (MIPS, APMS) for Chronic Pain Management Specialists

Moderator:

David Provenzano, MD

Indigo 204

8:00 am - 10:00 am

8:00 am

How Are ASRA and ASA Assisting Members in the Successful Management of the New Healthcare Environment?

David Provenzano, MD

2 credits

8:10 am

Overview of MIPS and MACRA: Selecting the Correct Program

Sharon Merrick, MS, CCS-P

8:30 am

Implementing a Successful Program to Navigate MIPS

Asokumar Buvanendran, MD

8:50 am

Joining an Alternative Payment Model or an Integrated Care Model: Is It Worth It?

Matthew Popovich, PhD

9:10 am

Successful Integration of the Acute Pain Program into a Bundled Care Reimbursement Model

Eugene Viscusi, MD

9:30 am

Panel Discussion and Open Forum

IS-10 Ask the Expert Interactive Session (no additional fee, space is limited)

Practice Management 2: Successfully Growing Your Pain Program, Product Line, and Revenue

Moderator:

Asokumar Buvanendran, MD

Indigo 204

10:45 am - 12:45 pm

10:45 am

Developing a Vibrant Academic Pain Program

Marc Huntoon, MD

2 credits

11:05 am

Developing a Successful Clinical Research Program

Mark Wallace, MD

11:25 am

Understand Health Insurance Contracts: Maximize Reimbursement and Avoid Pitfalls

Jeffrey Peterson

11:50 am

Human Resources: Determining Employee Policies, Wages, and Benefits

Daniel Warren, MD

12:10 pm

Panel Discussion and Open Forum

IS-11 Ask the Expert Interactive Session (no additional fee, space is limited)

Practice Management 3: Economics, Compliance, and Human Resources

Moderator:

Kevin Vorenkamp, MD

Indigo 204

2:45 pm - 5:00 pm

2:45 pm

Coding and Billing Compliance

Kevin Vorenkamp, MD

2.25 credits

3:05 pm

Maximizing Reimbursement: Effective Integration of Ancillary Services - Physical Therapy, Durable Medical Equipment, and Urine Drug Screens

Jeffrey Peterson

3:30 pm

Working with the Hospital: Employment vs. Co-Management Models

Jeffrey Peterson

3:55 pm

Successful Integration of the Healthcare Team into a Chronic Pain Program

Dmitri Souzdalnitski, MD

4:15 pm

Vital Signs of Your Pain Practice: Interpretation of Economic Indicators

Donny Bounds

4:35 pm

Panel Discussion and Open Forum



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Resident/Fellow Program - Friday, November 18, 2016

(additional fee, physicians only)

7:30 am - 8:00 am	Getting Started			
	Registration		Foyer	
	Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café		Exhibit Hall	
8:00 am - 10:00 am	Resident/Fellow Educational Program (additional fee, ticket required)			Aqua 310
8:00 am	Introduction and Welcome			2 credits
8:05 am	Resident Awards/Best of Abstracts Presentations	Hariharan Shankar, MD		
8:30 am	Basic Neuroimaging (MRI/CT) Interpretation for the Pain Physician	John Carrino, MD		
9:00 am	Pitfalls in Interpreting Urine Toxicology Screens	Carlos Pino, MD		
9:30 am	Panel Discussion and Open Forum			
10:00 am - 10:45 am	Morning Break in Exhibit Hall		Exhibit Hall	
	Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café			
10:45 am - 12:45 pm	Resident/Fellow Educational Program (continued)			Aqua 310
10:45 am	Acedemic vs. Private Practice			2 credits
11:15 am	Epidural Steroids Injections in 2016	Ramsin Benyamin, MD		
11:45 am	Contract Negotiation and Interpretation	Michael Cassidy		
12:15 pm	Panel Discussion and Open Forum			
5:30 pm - 6:45 pm	Resident/Fellow and Pain Directors Meet and Greet			Elevation Room
	Jointly organized by: ASRA and the Association of Pain Program Directors (APPD)			

Resident/Fellow Program - Saturday, November 19, 2016

(additional fee, physicians only)

7:30 am - 8:00 am	Getting Started			
	Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café		Exhibit Hall	
8:00 am - 10:00 am	Fluoroscopy Workshop			Aqua 310
	Neuroradiology, Fluoroanatomy, and Hands-On Fluroscopy Workshops			2 credits
	<i>WS-21 Resident/Fellow Workshop (additional fee, ticket required)</i>			
		Lead:		
		Carlos Pino, MD		
		Ramsin Benyamin, MD	Associate Faculty:	
		Eliezer Soto, MD	Esther Benedetti, MD	
10:00 am - 10:45 am	Morning Break in Exhibit Hall		Exhibit Hall	
	Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café			
10:45 am - 12:45 pm	Ultrasound Workshop			Aqua 310
	Ultrasound Anatomy and Hands-On Workshops			2 credits
	<i>WS-22 Resident/Fellow Workshop (additional fee, ticket required)</i>			
		Lead:		
		Santhanam Suresh, MD		
		Faculty:		
		Amitabh Gulati, MD	Associate Faculty:	
		Antoun Nader, MD	Robert Bolash, MD	



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PA (Physician Assistant) / Nurse Practitioner Program Friday, November 18, 2016

4:00 pm - 4:45 pm	Break in Exhibit Hall: PA/NP Meet and Greet in the Chat Room	Exhibit Hall
Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café		

PA (Physician Assistant) / Nurse Practitioner Program Saturday, November 19, 2016

7:30 am - 8:00 am	Getting Started	
	Registration	Foyer
	Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café	Exhibit Hall

8:00 am - 10:00 am	The Terminally Ill Patient: How We Can Help Make the End of Life Easier	<i>Moderator:</i> Bridget Calhoun, Dr PH, PA-C	Aqua ABC
8:00 am	Welcome and Introduction	B. Calhoun, O. de Leon-Casasola, R. Vallejo	1.75 credits
8:10 am	Relieving Terminal Dyspnea	Magdalena Anitescu, MD	
8:30 am	How to Treat Terminal Delirium	Jennifer Grimmer, DNP, FNP-	
8:50 am	Medical Management of Intestinal Obstruction at the End of Life	Daniel Warren, MD	
9:10 am	Myofascial Pain: Diagnosis and Treatment	Elizabeth Huntoon, MD	
9:30 am	Panel Discussion and Open Forum		

10:00 am - 10:45 am	Break in Exhibit Hall	Exhibit Hall
Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café		

10:45 am - 12:45 pm	Chronic Low Back Pain (LBP)	<i>Moderator:</i> Krista Brecht, RN, MSc	Aqua ABC
10:45 am	Physical Exam in Chronic Low Back Pain	Christopher Gilligan, MD	2 credits
11:15 am	Imaging Utilization for Spine Disorders	Roderick Finlayson, MD	
11:45 am	Diagnostic Algorithm in Chronic Low Back Pain	Magdalena Anitescu, MD	
12:15 pm	Panel Discussion and Open Forum		

12:45 pm - 2:45 pm	<i>Special Event (additional fee, ticket required)</i> Excellence in ASRA Awards Luncheon	Gary Brenner, MD	Indigo DH
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2:45 pm - 5:00 pm	Management of Complex Patients in the Pain Clinic	<i>Moderator:</i> Jeffrey Petersohn, MD	Aqua ABC
2:45 pm	Complex Regional Pain Syndrome (CRPS) Type I and Type II: An Update	Jeffrey Petersohn, MD	2.25 credits
3:15 pm	Concomitant Use of Opioids and Marijuana: Evidence and Legal Implications	Krista Brecht, RN, MSc	
3:45 pm	Urine Toxicology Interpretation	Carlos Pino, MD	
4:15 pm	Panel Discussion and Open Forum		

5:00 pm - 7:00 pm	Session Adjournment and Free Time		
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7:00 pm - 10:30 pm	<i>Special Event</i> ASRA Annual Meeting Celebration: Fiesta on the Bay! <i>(additional fee, ticket required)</i>		
Admiral Hornblower Yacht Setting Sail from the Marriott Marquis Marina			



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Moderated Poster Sessions

(non-CME)

Thursday, November 17, 2016

8:15 am -	10:15 am	MP-01	Edward Mariano, MD	Indigo 202A
10:30 am -	12:30 pm	MP-02	Oscar de Leon-Casasola, MD	Indigo 202A
2:00 pm -	4:00 pm	MP-03	Eugene Viscusi, MD	Indigo 202A
4:15 pm -	6:15 pm	MP-04	James Rathmell, MD	Indigo 202A

Friday, November 18, 2016

8:00 am -	10:00 am	MP-05	Steven P. Cohen, MD	Indigo 202A
10:45 am -	12:45 pm	MP-06	Andrea Nicol, MD	Indigo 202A
2:00 pm -	4:00 pm	MP-07	Charles Berde, MD	Indigo 202A
4:45 pm -	6:45 pm	MP-08	Edward Mariano, MD	Indigo 202A

Saturday, November 19, 2016

8:00 am -	10:00 am	MP-09	Edward Mariano, MD	Indigo 202A
10:45 am -	12:45 pm	MP-10	Eugene Viscusi, MD	Indigo 202A
2:45 pm -	5:00 pm	MP-11	James Eisenach, MD	Indigo 202A