



17th Annual Pain Medicine Meeting

November 15-17, 2018
 JW Marriott San Antonio Hill Country
 San Antonio, Texas
www.asra.com

#ASRAFall18



Wednesday, November 14, 2018

4 - 6:00 PM Pre-Registration in Foyer

Thursday, November 15, 2018

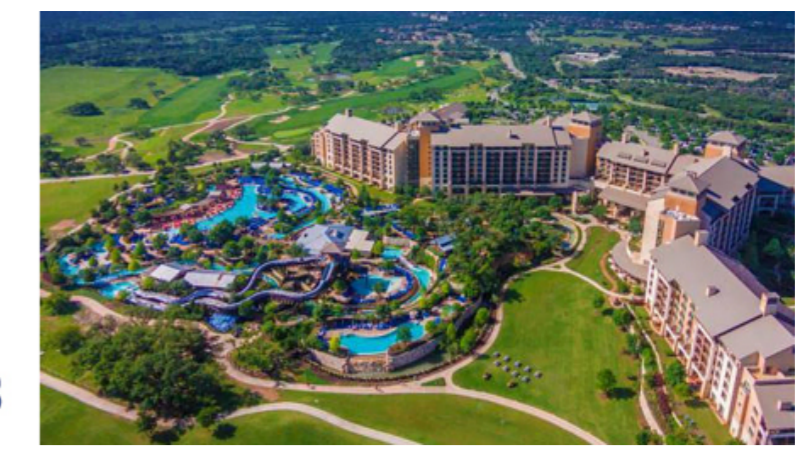
| Activity | Refresher Courses | PBLD | Interactive Sessions | Workshops | Workshops | Workshops | Moderated ePoster A |
|-----------------|---|---|--|---|---|---|------------------------------|
| Hotel Room Name | Cibolo 5 | Grand Oaks G | Cibolo 7 | Cibolo 8 | Grand Oaks N | Cibolo 10 | Cibolo 4 |
| 6:30 AM | Yoga and Morning Mindfulness Meditation Sunday House Garden and Lawn | | | | | | |
| 6:45 AM | | | | | | | |
| 7:00 AM | | | | | | | |
| 7:15 AM | | | | | | | |
| 7:30 AM | | | | | | | |
| 7:45 AM | Registration and Breakfast in Foyer | | | | | | |
| 8:00 AM | Welcome and Opening Addresses | | | | | | |
| 8:15 AM | Refresher Course Complex Regional Pain Syndrome: From the Periphery to the Brain in 2018 | Grand Oaks G | IS-01 Ask the Expert Interactive Session Multidisciplinary Panel on the Role of Percutaneous Spine Decompression and Augmentation | TICKET WS-01 Half-Day Special Session Ultrasound Workshop (live model) Advances in Ultrasound, MSK, and Novel Nerve Blocks | TICKET WS-02 Hands-On Fluoroscopy Workshop (cadaver) Lumbar Procedures Best Practices: Lumbosacral Medial Branch Blocks, Selective Nerve Root Blocks, and Transforaminal Epidural Steroid Injections | TICKET WS-03 Hands-On Fluoroscopy Workshop (cadaver) Sympathetic Blocks: Abdomen, Pelvic, and Lower Extremity (Celiac/Splanchnic, LSB, Superior Hypogastric, Ganglion Impar) | MP-01a Moderated ePosters |
| 8:30 AM | | | | | | | |
| 8:45 AM | | | | | | | |
| 9:00 AM | | | | | | | |
| 9:15 AM | | | | | | | |
| 9:30 AM | Break and Refreshments in Foyer | | | | | | |
| 9:45 AM | Break and Refreshments in Foyer | | | | | | |
| 10:00 AM | Refresher Course Neuroplasticity, Neuroimmunology, and Neuropathic Pain: Shifting from Symptom Modification to Disease Modification | Grand Oaks G | IS-02 Ask the Expert Interactive Session Advocating Effectively for Positive Changes to our Practice Climate: Legislature, Payors, Societies | TICKET WS-04 Hands-On Fluoroscopy Workshop (cadaver) Cervical Procedures Best Practices: Cervical Epidural Injections and Medial Branch Blocks | TICKET WS-05 Hands-On Fluoroscopy Workshop (cadaver) Fluoroscopy for Blocks of the Head and Neck (Trigeminal, SPG, Cervical Medial Branches/RFA, Stellate Ganglion) | MP-02a Moderated ePosters | |
| 10:15 AM | | | | | | | |
| 10:30 AM | | | | | | | |
| 10:45 AM | | | | | | | |
| 11:00 AM | | | | | | | |
| 11:15 AM | Break and Refreshments in Foyer | | | | | | |
| 11:30 AM | Break and Refreshments in Foyer | | | | | | |
| 11:45 AM | Break and Refreshments in Foyer | | | | | | |
| 12:00 PM | Lunch on Own | TICKET PBLDs (lunch included) | Lunch on Own | | | | |
| 12:15 PM | | | | | | | |
| 12:30 PM | | | | | | | |
| 12:45 PM | | | | | | | |
| 1:00 PM | | | | | | | |
| 1:15 PM | Break and Refreshments in Foyer | | | | | | |
| 1:30 PM | Refresher Course Opioids: Adapting to a New World with Novel Targets | Grand Oaks G | IS-03 Ask the Expert Interactive Session Professional Burnout: Insights and Strategies | TICKET WS-07 Hands-On Ultrasound Workshop (live model) Ultrasound in Pain Medicine I | TICKET WS-06 Half-Day Special Session Workshop (cadaver, live model, task trainers) Major Joints: Radiofrequency and Cryoablation Lesions, Articular Nerve Blocks - Knee, Hip, Shoulder | TICKET Spec-01 Special Interactive Session Musculoskeletal and Neurologic Physical Examination for the Pain Medicine Practitioner <i>Open to all, additional fee</i> | MP-03a Moderated ePosters |
| 1:45 PM | | | | | | | |
| 2:00 PM | | | | | | | |
| 2:15 PM | | | | | | | |
| 2:30 PM | | | | | | | |
| 2:45 PM | Break and Refreshments in Foyer | | | | | | |
| 3:00 PM | Refresher Course Neurostimulation: Leveraging a Technical Explosion for Targeted Care | IS-04 Ask-the-Expert Interactive Session Maintaining Resolve in Controlled Substances: Risk Management, Abuse, Diversion, and Detoxification | TICKET Spec-02 Special Interactive Session Reading and Interpretation of Spinal Imaging and EMG: Correlating Studies to Pain Symptoms <i>Open to all, additional fee</i> | TICKET WS-08 Hands-On Ultrasound Workshop (live model) Ultrasound in Pain Medicine II | MP-04a Moderated ePosters | | |
| 3:15 PM | | | | | | | |
| 3:30 PM | | | | | | | |
| 3:45 PM | | | | | | | |
| 4:00 PM | | | | | | | |
| 4:15 PM | Break and Refreshments in Foyer | | | | | | |
| 4:30 PM | Break and Refreshments in Foyer | | | | | | |
| 4:45 PM | Break and Refreshments in Foyer | | | | | | |
| 5:00 PM | Break and Refreshments in Foyer | | | | | | |
| 5:15 - 6:30 PM | Special Event Wine and Bubbly Networking Reception and Exhibit Hall Grand Opening | | | | | | |



17th Annual Pain Medicine Meeting

November 15-17, 2018
 JW Marriott San Antonio Hill Country
 San Antonio, Texas
www.asra.com

#ASRAfall18



Friday, November 16, 2018

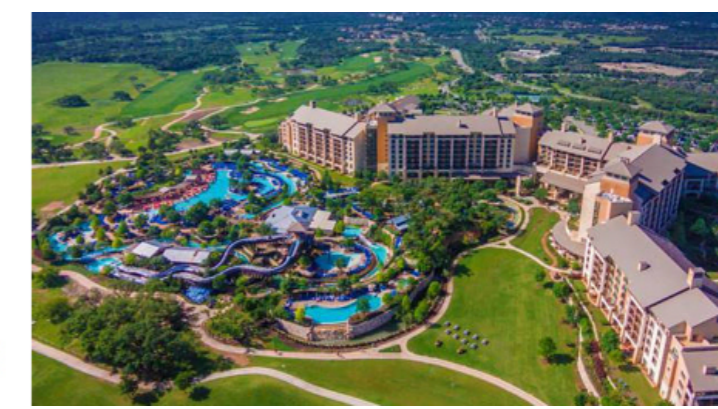
| Activity | Plenary/Parallel Sessions A | Parallel Sessions B | Interactive Sessions | Workshops | Workshops | Workshops | Moderated ePoster A | Moderated ePoster B |
|-----------------|--|--|---|---|--|---|-------------------------------------|-------------------------------------|
| Hotel Room Name | Cibolo 5 | Grand Oaks G | Cibolo 7 | Cibolo 8 | Grand Oaks N | Cibolo 10 | Cibolo 4 | Cibolo 3 |
| 6:30 AM | Yoga and Morning Mindfulness Meditation Sunday House Garden and Lawn | | | | | | | |
| 6:45 AM | | | | | | | | |
| 7:00 AM | | | | | | | | |
| 7:15 AM | | | | | | | | |
| 7:30 AM | Getting Started Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café in Exhibit Hall | | | | | | | |
| 7:45 AM | | | | | | | | |
| 8:00 AM | Plen-01 Plenary Session Osteoarthritis of Major Joints: Role of Interventions in the Continuum of Care | | IS-05 Ask the Expert Interactive Session Multidisciplinary Panel on Experiences in Advanced Neuromodulation Techniques | TICKET WS-09 Hands-On Fluoroscopy Workshop (cadaver) Intradiscal Procedures: Lumbar Disc Stimulation, Biacuplasty | TICKET WS-10 Half-Day Special Session Fluoroscopy & Ultrasound Workshop (cadaver, live model, task trainers) Regenerative Medicine and MSK Seminar and Workshop: Procedures and Techniques | TICKET WS-11 Hands-On Fluoroscopy & Ultrasound Workshop (cadaver, live model) Fusion: Ultrasound and Fluoroscopy for Blocks of the Head and Neck (Trigeminal, SPG, Cervical Medial Branches and Facet Injection, Cervical SNRB, GON/TON, Stellate Ganglion) | MP-05a Moderated ePosters | MP-05b Moderated ePosters |
| 8:15 AM | | | | | | | | |
| 8:30 AM | | | | | | | | |
| 8:45 AM | | | | | | | | |
| 9:00 AM | | | | | | | | |
| 9:15 AM | | | | | | | | |
| 9:30 AM | | | | | | | | |
| 9:45 AM | Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café | | | | | | | |
| 10:00 AM | PANP/Nursing Meet and Greet | | | | | | | |
| 10:15 AM | | | | | | | | |
| 10:30 AM | PS-01a Parallel Session Role of Ketamine in Changing the Course of Pain and Function | PS-01b Parallel Session Palliative Medicine and Cancer Related Pain: From Illness to Survival and Beyond | IS-06 Ask the Expert Interactive Session The Bold Horizon: Emerging Research and Index Publications | TICKET WS-12 Hands-On Fluoroscopy Workshop (cadaver) Neuromodulation for Beginners | | TICKET WS-13 Hands-On Fluoroscopy & Ultrasound Workshop (cadaver, live model) Fusion: Ultrasound and Fluoroscopy for Abdominal and Pelvic Blocks (TAP/Ilioinguinal, Pudendal Nerve, Piriformis, Quadratus Lumborum, Sacrococcygeal Lig/Caudal Entry) | MP-06a Moderated ePosters | MP-06b Moderated ePosters |
| 10:45 AM | | | | | | | | |
| 11:00 AM | | | | | | | | |
| 11:15 AM | | | | | | | | |
| 11:30 AM | | | | | | | | |
| 11:45 AM | | | | | | | | |
| 12:00 PM | | | | | | | | |
| 12:15 PM | Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café | | | | | | | |
| 12:30 PM | Non-CME Ancillary Event by Abbott (lunch included) | | Non-CME Ancillary Event by Nevro (lunch included) | | Lunch on Own | | | |
| 12:45 PM | | | | | | | | |
| 1:00 PM | | | | | | | | |
| 1:15 PM | | | | | | | | |
| 1:30 PM | | | | | | | | |
| 1:45 PM | PS-02a Parallel Session Regenerative Medicine: Therapies, Experiences, and Evidence in 2018 | PS-02b Parallel Session Sex Differences in Pain | IS-07 Ask the Expert Interactive Session Motivational Interviewing, Brief Psychological Interventions, Family Dynamics, and Focused Psychological Treatments in Clinical Care | TICKET WS-15 Half-Day Special Session Fluoroscopy Workshop (cadaver) Neuromodulation: Novel Technology, Surgical Techniques, and Troubleshooting (Including Epidural Sheath, Retrograde/Caudal) | TICKET WS-14 Hands-on Fluoroscopy & Ultrasound Workshop (cadaver, live model, task trainer) Cooled and Conventional RFA of the Thoracic and Cervical Spine, Intercostal Nerves | TICKET Spec-03 Special Interactive Session Musculoskeletal and Neurologic Physical Examination for the Pain Medicine Practitioner Open to all, additional fee | MP-07a Moderated ePosters | MP-07b Moderated ePosters |
| 2:00 PM | | | | | | | | |
| 2:15 PM | | | | | | | | |
| 2:30 PM | | | | | | | | |
| 2:45 PM | | | | | | | | |
| 3:00 PM | | | | | | | | |
| 3:15 PM | | | | | | | | |
| 3:30 PM | Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café | | | | | | | |
| 3:45 PM | New Member Meet & Greet in ASRA Chat Room | | | | | | | |
| 4:00 PM | | | | | | | | |
| 4:15 PM | PS-03a Parallel Session Low Back Pain in 2018: New insights and Better Outcomes | PS-03b Parallel Session Pediatric Chronic Pain: Merging our Knowledge to Treat a Growing Problem | IS-08 Ask the Expert Interactive Session Buprenorphine: Practical Discussion on Management | TICKET WS-16 Hands-On Fluoroscopy Workshop (cadaver) Conventional, Cooled, and Multipolar Radiofrequency of the Lumbosacral Spine (Lumbar Facet, SI Joint, Sacrococcygeal Junction) | TICKET WS-17 Hands-on Ultrasound Workshop (live model, task trainer) Cryoablation of Peripheral Nerves U/S | | MP-08a Moderated ePosters | MP-08b Moderated ePosters |
| 4:30 PM | | | | | | | | |
| 4:45 PM | | | | | | | | |
| 5:00 PM | | | | | | | | |
| 5:15 PM | | | | | | | | |
| 5:30 PM | | | | | | | | |
| 5:45 PM | | | | | | | | |
| 6:7:30 PM | Special Event Resident/Fellow and Pain Program Directors Meet and Greet Sunday House Garden and Lawn | | | | | | | |



17th Annual Pain Medicine Meeting

November 15-17, 2018
 JW Marriott San Antonio Hill Country
 San Antonio, Texas
www.asra.com

#ASRAFall18



Saturday, November 17, 2018

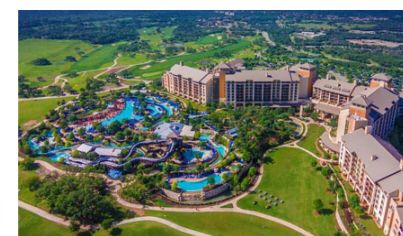
| Activity | Plenary Sessions | PA/NP/Nursing Program | Practice Management Portfolio | Workshops | Workshops | Workshops | Moderated ePoster A |
|-----------------|---|---|--|---|--|--|------------------------------|
| Hotel Room Name | Cibolo 5 | Grand Oaks G | Cibolo 7 | Cibolo 8 | Grand Oaks N | Cibolo 10 | Cibolo 4 |
| 6:30 AM | Tai-Chi and Yoga/Morning Mindfulness Meditation Sunday House Garden and Lawn | | | | | | |
| 6:45 AM | | | | | | | |
| 7:00 AM | | | | | | | |
| 7:15 AM | Non-CME Ancillary Event by SPR Therapeutics (breakfast included) | | | | | | |
| 7:30 AM | Getting Started Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café in Exhibit Hall | | | | | | |
| 7:45 AM | | | | | | | |
| 8:00 AM | Plen-02 Plenary Session Opioids and Cannabinoids: National Focus | PA / NP / Nursing Program Medico-Legal Issues in Pain Practice | PMP-01 ASRA-ASA Practice Management Portfolio Applied Process Improvement Enhance Safety Quality, Efficiency, Access, Research, and Payment | TICKET WS-18 Half-Day Special Session Fluoroscopy Workshop (cadaver) Direct and Indirect Percutaneous Spinal Decompression, Disc Decompression | TICKET WS-20 Resident/Fellow Fluoroscopy Workshop (cadaver) Neuroradiology, Fluoroanatomy, and Hands-On Fluoroscopy Workshops | TICKET WS-19 Interactive Demonstration Workshop Botulinum Toxin for Headache Management and Spasticity | MP-09a Moderated ePosters |
| 8:15 AM | | | | | | | |
| 8:30 AM | | | | | | | |
| 8:45 AM | | | | | | | |
| 9:00 AM | | | | | | | |
| 9:15 AM | | | | | | | |
| 9:30 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 | | | |
| 9:45 AM | | | | | | | |
| 10:00 AM | Plen-03 Plenary Session Future of Imaging: Ultrasound and MRI in Pain Medicine | PA / NP / Nursing Program SCS and IDDS Practical Demonstration for Implantable Success | PMP-02 ASRA-ASA Practice Management Portfolio Care Team Models: From Formation to Coordination and Prosperity | TICKET WS-21 Resident/Fellow Ultrasound Workshop (live model) Sonoanatomy and Hands-On Ultrasound Workshop | TICKET WS-22 Hands-On Fluoroscopy Workshop (cadaver) Vertebral Augmentation I (Beginner): Lumbar Vertebroplasty and Balloon Kyphoplasty | MP-10a Moderated ePosters | |
| 10:15 AM | | | | | | | |
| 10:30 AM | | | | | | | |
| 10:45 AM | | | | | | | |
| 11:00 AM | | | | | | | |
| 11:15 AM | | | | | | | |
| 11:30 AM | Special Event Excellence in ASRA Awards Luncheon Grand Oaks G TICKET | | | | | | |
| 11:45 AM | | | | | | | |
| 12:00 PM | Plen-04 Plenary Session The Future of Patient-Centered Integrated Pain Management and Research | PA / NP / Nursing Program Interactive Seminar: Thinking Outside the Box For Non-Opioid Treatments: Physical and Complementary Therapies, Symptom Management in Palliative Care, and Headaches | PMP-03 ASRA-ASA Practice Management Portfolio Prospering in the Current Healthcare Environment | TICKET WS-23 Hands-On Fluoroscopy Workshop (cadaver) Surgical Skills: Intrathecal Pump and Stimulator Battery Implantation | TICKET WS-24 Hands-on Fluoroscopy and Ultrasound Workshop (cadaver, live model) Peripheral Nerve Stimulation and Ultrasound Neurography | TICKET WS-25 Hands-On Fluoroscopy Workshop (cadaver) Vertebral Augmentation II (Advanced): Thoracic Vertebral Augmentation, Vertebral Implants (KIVA) and Vertebral RFA | MP-11a Moderated ePosters |
| 12:15 PM | | | | | | | |
| 12:30 PM | | | | | | | |
| 12:45-2:30 PM | | | | | | | |
| 2:30 PM | | | | | | | |
| 2:45 PM | | | | | | | |
| 3:00 PM | Plen-05 Plenary Session Intrathecal Drug Delivery in 2018: Mechanisms, Guidelines, and Practice | | | | | | |
| 3:15 PM | | | | | | | |
| 3:30 PM | | | | | | | |
| 3:45 PM | | | | | | | |
| 4:00 PM | | | | | | | |
| 4:15 PM | | | | | | | |
| 4:30 PM | Session Adjournment and Free Time | | | | | | |
| 4:45 PM | | | | | | | |
| 5:00 PM | Special Event Annual Meeting Celebration: Cowboy Cookout River Bend Pavilion TICKET | | | | | | |
| 7-10:00 PM | | | | | | | |



17th Annual Pain Medicine Meeting

November 15-17, 2018
JW Marriott San Antonio Hill Country
San Antonio, Texas
www.asra.com

#ASRAFall18



Main Meeting Thursday, November 15, 2018

| | | | | |
|---------------------|---|------------------|--|---|
| 6:30 am - 7:15 am | Yoga and Morning Mindfulness Meditation | | | Sunday House Garden and Lawn |
| 6:30 am - 7:45 am | Registration and Breakfast in Foyer | | | |
| 7:45 am - 8:15 am | Welcome and Opening Addresses | | Maxim Eckmann, MD | Cibolo 5 |
| 7:45 am | Meeting Chair Welcome | | Maxim Eckmann, MD | |
| 7:55 am | Presidential Address with ASRA Research Committee Update | | Asokumar Buvanendran, MD | |
| 8:15 am - 9:45 am | Complex Regional Pain Syndrome: From the Periphery to the Brain in 2018 | Refresher Course | Moderator: Kevin Vorenkamp, MD | Cibolo 5 |
| 8:15 am | Central Neurological Function Changes in CRPS | | Sean Mackey, MD | 1.5 credits |
| 8:45 am | Latest Pharmacologic Targets for CRPS | | Timothy Lubenow, MD | |
| 9:10 am | Neuromodulation Options for CRPS | | Marc Huntoon, MD |   |
| 9:30 am | Panel Discussion and Open Forum | | | |
| 9:45 am - 10:00 am | Break and Refreshments in Foyer | | | |
| 10:00 am - 12:00 pm | Neuroplasticity, Neuroimmunology, and Neuropathic Pain: Shifting from Symptom Modification to Disease Modification | Refresher Course | Moderator: Eugene Viscusi, MD | Cibolo 5 |
| 10:00 am | Best of Meeting Abstract 5832 | | | 2 credits |
| 10:05 am | Update in Neuropathic Pain Pathogenesis | | Gary Brenner, MD, PhD |   |
| 10:35 am | Potential New Therapeutic Targets for Neuropathic Pain | | Kenneth Hargreaves, DDS, PhD | |
| 11:05 am | Trigeminal Neuralgia as a Microcosm of Clinical Challenges in Neuropathic Pain | | Miles Day, MD |   |
| 11:35 am | Panel Discussion and Open Forum | | | |
| 12:00 pm - 1:30 pm | Lunch On Own | | | |
| or | | | | |
| 12:15 pm - 1:15 pm | Problem-Based Learning Discussions (PBLD) Lunch | | | Grand Oaks G |
| | Open to all, tickets \$90, lunch included, see list | | | 1 credit |
| 1:30 pm - 3:30 pm | Opioids: Adapting to a New World with Novel Targets | Refresher Course | Moderator: Asokumar Buvanendran, MD | Cibolo 5 |
| 1:30 pm | The Opioid Crisis: What Physicians and Providers Need to Know From a DEA Perspective | | Richard Tucker | 2 credits |
| 2:00 pm | KORAs and Other Novel Opioid Receptor Targets to Reduce Adverse Effects | | Mark Wallace, MD | |
| 2:30 pm | Buprenorphine: Role in Opioid Use Disorder | | Van King, MD |  |
| 3:00 pm | Panel Discussion and Open Forum | | |  |
| 3:30 pm - 3:45 pm | Break and Refreshments in Foyer | | | |
| 3:45 pm - 5:15 pm | Neurostimulation: Leveraging a Technical Explosion for Targeted Care | Refresher Course | Moderator: Kevin Vorenkamp, MD | Cibolo 5 |
| 3:45 pm | Waveforms and Frequencies: Differential Mechanisms of Action | | Ricardo Vallejo, MD | 1.5 credits |
| 4:05 pm | Neuromodulation Beyond Pain Management: GI, Headache, and Heart | | Leonardo Kapural, MD |   |
| 4:25 pm | Update on Best Practices for Neuromodulation | | Timothy Deer, MD | |
| 4:45 pm | Salvaging Failed Spinal Cord Stimulation: The Evidence for Charge Density, SCS Parameters and Waveforms | | David Provenzano, MD | |
| 5:05 pm | Panel Discussion and Open Forum | | | |
| 5:15 pm - 6:30 pm | Wine and Bubbly Networking Reception and Exhibit Hall Grand Opening | Special Event | | |
| | (free to all attendees, guest tickets: \$30) | | | |

Main Meeting Friday, November 16, 2018

| | | | | |
|-------------------|--|--|--|---------------------------------|
| 6:30 am - 7:15 am | Yoga and Morning Mindfulness Meditation | | | Sunday House Garden and Lawn |
| 7:00 am - 7:45 am | New Innovative Research Enhances Understanding of COOLIEF* Cooled Radiofrequency Ablation | Non-CME Ancillary Event by Avanos (breakfast included) | | Grand Oaks G |







17th Annual Pain Medicine Meeting

November 15-17, 2018
JW Marriott San Antonio Hill Country
San Antonio, Texas
www.asra.com



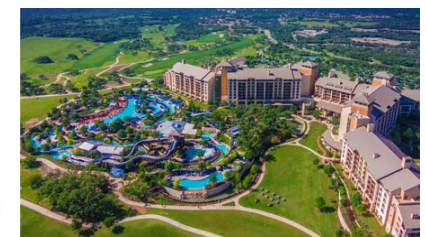
#ASRAFall18

| | | | | |
|----------------------------|--|--|--|---|
| 7:30 am - 8:00 am | Getting Started | Registration Breakfast, Exhibition, ePosters, ASRA Chat Room, Internet Café | | Foyer Exhibit Hall |
| 8:00 am - 9:45 am | Plen-01 Plenary Session Osteoarthritis of Major Joints: Role of Interventions in the Continuum of Care | Best of Meeting Abstract 6002 Containing Costs: Can We Slow the Rates of Total Joint Arthroplasty? Knee Denervation: Updates in Safety and Effectiveness Hip Denervation: Do We Need More Data? Shoulder: Current and Future Applications of Motor Sparing Nerve Blocks Sacroiliac Pain: Better Techniques, Better Outcomes? Panel Discussion and Open Forum | Moderator: Maxim Eckmann, MD Edward Mariano, MD David Walega, MD Philip Peng, MD Maxim Eckmann, MD David Kennedy, MD | Cibolo 5 1.75 credits  |
| 9:45 am - 10:30 am | Break in Exhibit Hall | Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café | | |
| 10:30 am - 12:15 pm | PS-01a Parallel Session Role of Ketamine in Changing the Course of Pain and Function | Crossroads of Ketamine: a Review of Contemporary Evidence for Chronic Pain Syndromes Ketamine for Pain: Complications and Best Practices The Road from Theory to Practice: Ketamine Tales in Pain Management and Beyond ASRA Guidelines on Ketamine Therapies: Highlights and Insights Panel Discussion and Open Forum | Moderator: Magdalena Anitescu, MD Steven P. Cohen, MD Anuj Bhatia, MD Magdalena Anitescu, MD Asokumar Buvanendran, MD | Cibolo 5 1.75 credits  |
| 10:30 am - 12:15 pm | PS-01b Parallel Session Palliative Medicine and Cancer Related Pain: From Illness to Survival and Beyond | Psychological Support for Patients with Cancer and Pain Update on Legal Issues Surrounding Cannabis Update on Advanced Interventions for Cancer Pain Novel Agents to Treat Opioid Induced Constipation Panel Discussion and Open Forum | Moderator: Larry Driver, MD Donald McGeary, MD Mark Wallace, MD Brian Bruel, MD Eugene Viscusi, MD | Grand Oaks G 1.75 credits  |
| 12:15 pm - 1:45 pm | Lunch On Own | | | |
| 12:30 pm - 1:30 pm | Revolutionizing Neuromodulation through Objective Data and Clinical Outcomes | Non-CME Ancillary Event by Abbott (lunch included) | | Grand Oaks G |
| 12:30 pm - 1:30 pm | Partnering to Improve Pain Medicine: Today, Tomorrow, and Beyond | Non-CME Ancillary Event by Nevro (lunch included) | | Cibolo 7 |
| 1:45 pm - 3:30 pm | PS-02a Parallel Session Regenerative Medicine for Chronic Pain Management: Therapies, Experiences, and Evidence in 2018 | Current Clinical Science Supporting Regenerative Medicine Sorting Out the Options: PRP, Cellular and A-Cellular Amnionic Products, Stem Cells Latest Findings for Intradiscal Therapy Panel Discussion and Open Forum | Moderator: Maged Guirguis, MD Dmitri Souza, MD James Modir, MD Aaron Calodney, MD | Cibolo 5 1.75 credits  |
| 1:45 pm - 3:30 pm | PS-02b Parallel Session Sex Differences in Pain | Interplay of Sex in Stress and Central Pain Modulation Gender and Sex Influence in the Clinical Treatment of Pain Clinical Pathways for Treating Pelvic Pain in Men and Women Panel Discussion and Open Forum | Moderator: Shalini Shah, MD Rita Valentino, PhD Andrea Nicol, MD Ameet Nagpal, MD | Grand Oaks G 1.75 credits  |
| 3:30 pm - 4:15 pm | Break in Exhibit Hall | Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café | | |
| 4:15 pm - 6:00 pm | PS-03a Parallel Session Low Back Pain in 2018: New Insights and Better Outcomes | Best of Meeting Abstract 6220 Peridural Membrane: Pain Generator? Prognostic Blocks: Do they Predict Success for the Next Step? Notable Recent Evidence for Spine Interventions Improved Therapy Durability for Low Back Pain with SCS Panel Discussion and Open Forum | Moderator: Steven P. Cohen, MD Hemmo Bosscher, MD David Kennedy, MD Jeffrey Petersohn, MD Asokumar Buvanendran, MD | Cibolo 5 1.75 credits  |
| 4:15 pm - 6:00 pm | PS-03b Parallel Session Pediatric Chronic Pain: Merging our Knowledge to Treat a Growing Problem | Chronic Postsurgical Pain in Children: Psychosocial Predictors and Preventive Strategies Transitional Pain Services for Complex Pediatric Inpatients | Moderator: Maged Mina, MD Jennifer Rabbitts, MD Evelyn C. Monico, MD | Grand Oaks G 1.75 credits  |



17th Annual Pain Medicine Meeting

November 15-17, 2018
JW Marriott San Antonio Hill Country
San Antonio, Texas
www.asra.com



#ASRAFall18

5:05 pm
5:30 pm

Safety of Sedation for Advanced Interventions in Pediatric Pain Management
Panel Discussion and Open Forum

Charles Berde, MD



Main Meeting Saturday, November 17, 2018

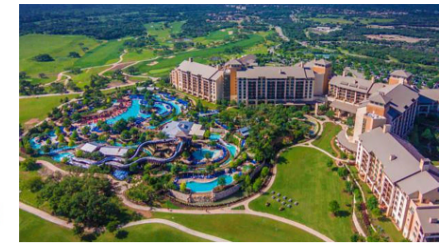
| | | | |
|---------------------|---|--|------------------------------|
| 6:30 am - 7:15 am | Yoga/Morning Mindfulness Meditation | | Sunday House Garden and Lawn |
| 6:30 am - 7:15 am | Tai-Chi | Philip Peng, MD | Sunday House Garden and Lawn |
| 7:00 am - 7:45 am | Non-CME Ancillary Event by SPR Therapeutics (breakfast included) Sprint into the Future: Percutaneous PNS Comes of Age | | Grand Oaks G |
| 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 | Plen-02 Plenary Session Opioids and Cannabinoids: National Focus | Moderator: Asokumar Buvanendran, MD | Cibolo 5 |
| 8:00 am | Public Health Policy: Recommendations from the HHS Opioid Task Force | Rachel Katonak, PhD, RN | 2 credits |
| 8:45 am | Cannabinoids: the Pain Solution or Next Epidemic? | Wilson Compton, MD | MCA |
| 9:30 am | Panel Discussion and Open Forum | | Cancer |
| 10:00 am - 10:45 am | Break in Exhibit Hall Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café | | |
| 10:45 am - 12:45 pm | Plen-03 Plenary Session Future of Imaging: Ultrasound and MRI in Pain Medicine | Moderator: Phillip Peng, MD | Cibolo 5 |
| 10:45 am | Diagnosing Musculoskeletal Injury with Ultrasound: Advancements and Limitations | Andres Rahal, MD, PhD | 2 credits |
| 11:10 am | Ultrasound Neurography in Pain Medicine | Samer Narouze, MD, PhD | US |
| 11:35 am | MR Neurography: Clinical Applications | John Carrino, MD | UGRA |
| 12:00 pm | fMRI Directed Diagnosis and Treatment: Ethical and Practical Implications for Clinical | Sean Mackey, MD | |
| 12:25 pm | Panel Discussion and Open Forum | | |
| 12:45 pm - 2:30 pm | Special Event Excellence in ASRA Awards Luncheon | Moderator: Chad Brummett, MD | Grand Oaks G |
| 12:45 pm | Buffet Lunch Service (lunch tickets: \$10 member, \$20 non-member) | | .75 credits |
| 1:00 pm | ASRA Presidential Update | Asokumar Buvanendran, MD | |
| 1:10 pm | Chronic Pain Award Research Grant Update | Shalini Shah, MD | |
| 1:20 pm | Introduction to 2018 Bonica Award Recipient | David Provenzano, MD | |
| 1:25 pm | John J. Bonica Award Lecture: A Pediatric Pain Physician's Reflections on Progress | Charles Berde, MD | |
| 2:15 pm | Towards Better Local Anesthetics Adjournment and Move to Next Session | | |
| 2:30 pm - 3:30 pm | Plen-04 Plenary Session The Future of Patient-Centered Integrated Pain Management and Research | Moderator: Andrea Nicol, MD | Cibolo 5 |
| 2:30 pm | Best of Meeting Abstract 6130 | | 1 credit |
| 2:35 pm | Future of Research Methods and Standards for Interventional Pain Studies | David J. Kennedy, MD | |
| 2:55 pm | Improved Measurement Tools to Enhance Reported Outcomes: Perspectives from the Department of Defense | Trip Buckenmaier, MD | |
| 3:15 pm | Panel Discussion and Open Forum | | |
| 3:30 pm - 5:00 pm | Plen-05 Plenary Session Intrathecal Drug Delivery in 2018: Mechanisms, Guidelines, and Practice | Moderator: Mark Wallace, MD | Cibolo 5 |
| 3:30 pm | PACC Guidelines for Improving Safety and Reducing Risks | Timothy Deer, MD | 1.5 credits |
| 3:50 pm | Latest on IDDS Outcomes | Alaa Abd-Elseyed, MD | MCA |
| 4:10 pm | Neurosurgical Perspective on Infection Prophylaxis and Management of Common Perioperative Complications for Implants | Alexander Papanastassiou, MD | Neu |
| 4:30 pm | Panel Discussion and Open Forum | | Cancer |
| 5:00 pm - 7:00 pm | Session Adjournment / Free Time | | |
| 7:00 pm - 10:00 pm | Special Event ASRA Annual Meeting Celebration: Cowboy Cookout (tickets: \$50 member, \$75 non-member, \$30 children 9 and under) | | River Bend Pavillion |



17th Annual Pain Medicine Meeting

November 15-17, 2018
JW Marriott San Antonio Hill Country
San Antonio, Texas
www.asra.com

#ASRAFall18



Problem Based Learning Discussions (PBLD) Lunch Thursday, November 15, 2018, 12:15-1:15 pm Grand Oaks G

(open to all, \$90)
1 CME credit each

| | | |
|---------|--|--|
| PBLD-01 | Adopting Pediatric Patients Into Your Adult Pain Practice: Where to Start and How to Form a Specialist Network | Maged Mina, MD |
| PBLD-03 | Understanding Your Psychologist: From Implant Screening Reports to Co-Management | Donald McGeary, PhD |
| PBLD-04 | Establishing a Transitional Pain Service to Manage Complex Inpatients | Evelyn C. Monico, MD |
| PBLD-05 | Restoring Morale in Your Colleagues, Staff, and Yourself | Afton Hassett, PsyD |
| PBLD-06 | Intrathecal Management Pearls: When to Accept Outside Pump Patients and How to Avoid Complications | Sandeep Amin, MD |
| PBLD-07 | DRG Stimulation: Trials and (Implant) Tribulations | Timothy Lubenow, MD |
| PBLD-08 | Logistics and Experiences with Ketamine and other Infusions for Acute and Chronic Pain Conditions | Trip Buckenmaier, MD |
| PBLD-09 | The Patient with Refractory Trigeminal Neuralgia: Procedures and Surgery for Pain Control? | Miles Day, MD |
| PBLD-10 | Should I Become a Surgeon? Implanting vs Referring in a New Practice, Infection Control, and Best Practices | Leonardo Kapural, MD |
| PBLD-11 | Big Business: Negotiating with Health Systems, Evaluating Contracts, Managing Growth | Jay Grider, DO |
| PBLD-12 | Starting Research and Getting Funded in Your New Practice or Department | Andrea Nicol, MD |
| PBLD-13 | Prescribing Opioids for the Patient Using (Legal) Marijuana: Is It Safe? Are You Safe? | Mark Wallace, MD |
| PBLD-14 | Can't Miss Headache Diagnoses | Shalini Shah, MD |
| PBLD-15 | Matching into Your Top Pain Medicine Fellowship: Strategies for Success | Hariharan Shankar, MBBS Andrew Hall, MD |
| PBLD-16 | Starting a New Fellowship Program in Your Institution | Reda Tolba, MD |
| PBLD-18 | Telemedicine for Pain Management | Kevin Vorenkamp, MD |
| PBLD-19 | The Front Line of the Opioid Crisis With A Former DEA Agent | Richard Tucker, BS |
| PBLD-20 | Mindfulness and Meditation | Somayaji Ramamurthy, MD |

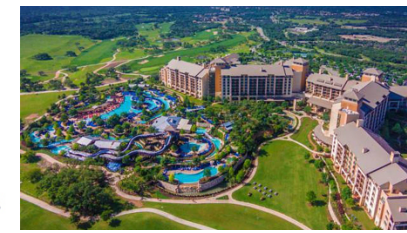




17th Annual Pain Medicine Meeting

November 15-17, 2018
JW Marriott San Antonio Hill Country
San Antonio, Texas
www.asra.com

#ASRAfall18



ASRA-ASA Practice Management Portfolio

Saturday, November 17, 2018

(open to all, seats are limited)

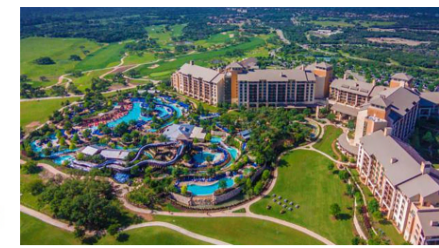
| | | | |
|--|---|--------------------------------------|-------------|
| PMP-01 ASRA-ASA Practice Management Portfolio | | | |
| 8:00 am - 10:00 am | Applied Process Improvement Enhance Safety Quality, Efficiency, Access, Research, and Payment | Moderator: Richard Rosenquist, MD | Cibolo 7 |
| 8:00 am | Practice Management Committee Update | David Provenzano MD | 2 credits |
| 8:15 am | Improving Consistency, Reducing Errors | David Provenzano MD | |
| 8:45 am | Leveraging Your EMR for Better Efficiency and Compliance with Clinical Quality Measures | Timothy Barker, MD | |
| 9:15 am | How ASRA-ASA TEP Quality Measures Apply to Interventional/Chronic Pain Management | Maxim Eckmann, MD | |
| 9:30 am | Preparing for MACRA: How Could Solo Pain Practitioners and Small Groups be Affected? | Kenyatta Lee, MD | |
| PMP-02 ASRA-ASA Practice Management Portfolio | | | |
| 10:45 am - 12:45 pm | Care Team Models: From Formation to Coordination and Prosperity | Moderator: Kevin Vorenkamp, MD | Cibolo 7 |
| 10:45 am | Extending Access Without Compromising Quality: Coordinating Care in a Blended Practice of Physician and Non-Physician Providers | Joshua Miller, MD | 2 credits |
| 11:10 am | Creating Integration Between Business and Clinical Practice | Jay Grider, MD | |
| 11:30 am | Multidisciplinary and Functional Restoration Care Team Models: Lessons from the Front Lines - Demonstrating Outcomes and Value | Jamie Clapp, PT, DPT, OCS | |
| 11:50 am | Negotiating with Insurers | Joshua Miller, MD | |
| 12:10 pm | Panel Discussion and Open Forum | | |
| PMP-03 ASRA-ASA Practice Management Portfolio | | | |
| 2:30 pm - 5:00 pm | Prospering in the Current Healthcare Environment | Moderator: Jay Grider, DO | Cibolo 7 |
| 2:30 pm | Site of Service Payment Differentials: Changes in 2018 and Beyond | Richard Rosenquist, MD | 2.5 credits |
| 3:00 pm | Practice Models and Efficiencies Part I: Pure Office Based Practice | Joshua Miller, MD | |
| 3:30 pm | Practice Models and Efficiencies Part II: Hybridizing Office Based and Ambulatory Surgery Care | David Provenzano, MD | |
| 4:00 pm | Practice Models and Efficiencies Part III: Hospital Outpatient Departments (HOPD) | Jay Grider, DO | |
| 4:30 pm | Panel Discussion and Open Forum | | |



17th Annual Pain Medicine Meeting

November 15-17, 2018
JW Marriott San Antonio Hill Country
San Antonio, Texas
www.asra.com

#ASRAFall18



Workshops Thursday, November 15, 2018 (additional fee, physicians only)

| | | | |
|----------------------------|---|--|--|
| 8:15 am - 12:00 pm | Morning Workshop Coordinator | Maunak Rana, MD | |
| | WS-01 Half-Day Special Session Ultrasound Workshop (live model) (\$445) | Lead: Samer Narouze, MD | Cibolo 8 |
| 8:15 am - 12:00 pm | Advances in Ultrasound, MSK, and Novel Nerve Blocks | Faculty: Dalia Elmofty, MD Maged Guirguis, MD Maged Mina, MD Phillip Peng, MD David Provenzano, MD Hariharan Shankar, MD | Associate Faculty: Andres Rahal, MD 3.75 credits |
| | WS-02 Hands-on Fluoroscopy Workshop (cadaver) (\$345) Lumbar Procedures Best Practices: Lumbosacral Medial Branch Blocks, Selective Nerve Root Blocks, and Transforaminal Epidural Steroid Injections | Lead: Magdalena Anitescu, MD | Grand Oaks N 1.5 credits |
| 8:15 am - 9:45 am | | Faculty: Hemmo Bosscher, MD | Associate Faculty: Gassan Chaiban, MD |
| | WS-03 Hands-On Fluoroscopy Workshop (cadaver) (\$345) Sympathetic Blocks: Abdomen, Pelvic, and Lower Extremity (Celiac/Splanchnic, LSB, Superior Hypogastric, Ganglion Impar) | Lead: Robert Goldstein, MD | Cibolo 10 1.5 credits |
| 8:15 am - 9:45 am | | Faculty: Carlos Pino, MD | Associate Faculty: Vasudha Goel, MD |
| | WS-04 Hands-On Fluoroscopy Workshop (cadaver) (\$345) Cervical Procedures Best Practices: Cervical Epidural Injections and Medial Branch Blocks | Lead: Andrea Nicol, MD | Grand Oaks N 2 credits |
| 10:00 am - 12:00 pm | | Faculty: Reba Tolba, MD | Associate Faculty: Gassan Chaiban, MD |
| | WS-05 Hands-On Fluoroscopy Workshop (cadaver) (\$345) Fluoroscopy for Blocks of the Head and Neck (Trigeminal, SPG, Cervical Medial Branches/RFA, Stellate Ganglion) | Lead: Kevin Vorenkamp, MD | Cibolo 10 2 credits |
| 10:00 am - 12:00 pm | | Faculty: Ameet Nagpal, MD | Associate Faculty: Christine Oryhan, MD |
| 1:30 pm - 5:15 pm | Afternoon Workshop Coordinator | Robert Goldstein, MD | |
| | WS-06 Half-Day Special Session Workshop (cadaver, live model, task trainers) (\$445) Major Joints: Radiofrequency and Cryoablation Lesions, Articular Nerve Block - Knee, Hip, Shoulder | Lead: Steven P. Cohen, MD | Grand Oaks N 3.75 credits |
| 1:30 pm - 5:15 pm | | Faculty: Alaa Abd-Elsayed, MD Sandeep Amin, MD Anuj Bhatia, MD Dmitri Souza, MD Reda Tolba, MD David Walega, MD | Associate Faculty: Yashar Eshragi, MD Vasudha Goel, MD |
| | WS-07 Hands-On Ultrasound Workshop (live model) (\$345) Ultrasound in Pain Medicine I | Lead: Philip Peng, MD | Cibolo 8 2 credits |
| 1:30 pm - 3:30 pm | | Faculty: Roderick Finlayson, MD Imanuel Lerman, MD Maged Mina, MD Antoun Nader, MD | |
| | WS-08 Hands-On Ultrasound Workshop (live model) (\$345) Ultrasound in Pain Medicine II | Lead: Hariharan Shankar, MD | Cibolo 8 1.5 credits |
| 3:45 pm - 5:15 pm | | Faculty: Dalia Elmofty, MD Imanuel Lerman, MD Antoun Nader, MD Maged Mina, MD | |

Workshops Friday, November 16, 2018 (additional fee, physicians only)

| | | | |
|---------------------------|-------------------------------------|-----------------|--|
| 8:00 am - 12:30 pm | Morning Workshop Coordinator | Carlos Pino, MD | |
|---------------------------|-------------------------------------|-----------------|--|



17th Annual Pain Medicine Meeting

November 15-17, 2018
JW Marriott San Antonio Hill Country
San Antonio, Texas
www.asra.com

#ASRAFall18



| | | | |
|---------------------|--|---|----------------------------------|
| 8:00 am - 10:00 am | WS-09 Hands-On Fluoroscopy Workshop (cadaver) (\$345) Intradiscal Procedures: Lumbar Disc Stimulation, Biacuplasty | Lead: Jeffrey Petersohn, MD Faculty: Ricardo Vallejo, MD | Cibolo 8 2 credits |
| 8:00 am - 12:15 pm | WS-10 Half-Day Special Session Fluoroscopy & Ultrasound Workshop (cadaver, live model, task trainers) (\$445) Regenerative Medicine and MSK Seminar and Workshop: Procedures and Techniques | Lead: Dmitri Souza, MD Faculty: Aaron Calodney, MD Immanuel Lerman, MD Maged Mina, MD James Modir, MD Associate: Yashar Eshragi, MD | Grand Oaks N 4.25 credits |
| 8:00 am - 10:00 am | WS-11 Hands-On Fluoroscopy & Ultrasound Workshop (cadaver, live model) (\$345) Fusion: Ultrasound and Fluoroscopy for Blocks of the Head and Neck (Trigeminal, SPG, Cervical Medial Branches and Facet Injection, Cervical SNRB, GON/TON, Stellate Ganglion) | Lead: Roderick Finlayson, MD Faculty: Alaa Abd-Elsayed, MD Miles Day, MD Maged Guirguis, MD Hariharan Shankar, MD | Cibolo 10 2 credits |
| 10:30 am - 12:30 pm | WS-12 Hands-On Fluoroscopy Workshop (cadaver) (\$345) Neuromodulation for Beginners | Lead: Timothy Lubenow, MD Faculty: Hemmo Bosscher, MD Associate Faculty: Marte Martinez, MD | Cibolo 8 2 credits |
| 10:30 am - 12:30 pm | Fusion: Ultrasound and Fluoroscopy for Abdominal and Pelvic Blocks (TAP/Ilioinguinal, Pudendal Nerve, Piriformis, Quadratus Lumborum, Sacrococcygeal Lig/Caudal Entry) | Lead: Maunak Rana, MD Faculty: Roderick Finlayson, MD Robert Goldstein, MD Antoun Nader, MD Reda Tolba, MD | Cibolo 10 2 credits |
| 1:30 pm - 6:00 pm | Afternoon Workshop Coordinator | Kevin Vorenkamp, MD | |
| 1:30 pm - 3:30 pm | WS-14 Hands-on Fluoroscopy & Ultrasound Workshop (cadaver, live model, task trainer) (\$345) Cooled and Conventional RFA of the Thoracic and Cervical Spine, Intercostal Nerves | Lead: Carlos Pino, MD Faculty: Alaa Abd-Elsayed, MD Magdalena Anitescu, MD Dalia Elmofty, MD | Grand Oaks N 2 credits |
| 1:45 pm - 6:00 pm | WS-15 Half-Day Special Session Fluoroscopy Workshop (cadaver) (\$445) Neuromodulation: Novel Technology, Surgical Techniques, and Troubleshooting (Including DRG, Epidural Sheath, Retrograde/Caudal) | Lead: Steven Falowski, MD Faculty: Ricardo Vallejo, MD Associate Faculty: George Galvan, MD Dawood Sayed, MD | Cibolo 8 4.25 credits |
| 4:00 pm - 6:00 pm | WS-16 Hands-On Fluoroscopy Workshop (cadaver) (\$345) Conventional, Cooled, and Multipolar Radiofrequency of the Lumbosacral Spine (Lumbar Facet, SI Joint, Sacrococcygeal Junction) | Lead: Reda Tolba, MD Faculty: Miles Day, MD Associate Faculty: Marte Martinez, MD | Grand Oaks N 2 credits |
| 4:00 pm - 6:00 pm | WS-17 Hands-on Ultrasound Workshop (live model, task trainer) (\$345) Cryoablation of Peripheral Nerves U/S | Lead: Dmitri Souza, MD Faculty: Antoun Nader, MD Immanuel Lerman, MD Associate Faculty: Vasudha Goel, MD | Cibolo 10 2 credits |

Workshops Saturday, November 17, 2018 (additional fee, physicians only)

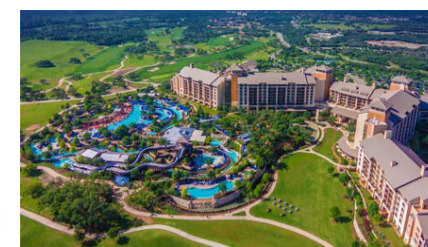
| | | | |
|--------------------|-------------------------------------|----------------------|--|
| 8:00 am - 12:45 pm | Morning Workshop Coordinator | Robert Goldstein, MD | |
|--------------------|-------------------------------------|----------------------|--|



17th Annual Pain Medicine Meeting

November 15-17, 2018
JW Marriott San Antonio Hill Country
San Antonio, Texas
www.asra.com

#ASRAFall18



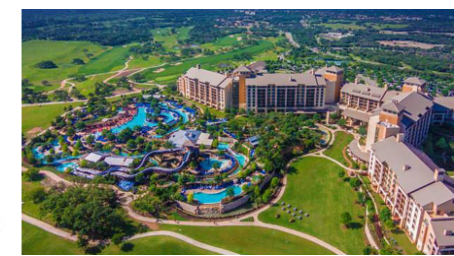
| | | | |
|----------------------------|--|---|---|
| 8:00 am - 12:45 pm | WS-18 Half-Day Special Session Fluoroscopy Workshop (cadaver) (\$445) Direct and Indirect Percutaneous Spinal Decompression, Disc Decompression | Lead: Jeffrey Petersohn, MD | Cibolo 8 |
| | | Faculty: Aaron Calodney, MD | Associate Faculty: Dawood Sayed, MD 4.75 credits |
| 8:00 am - 10:00 am | WS-19 Interactive Demonstration Workshop (\$145) Botulinum Toxin for Headache Management and Spasticity | Lead: Shalini Shah, MD | Cibolo 10 |
| | | Faculty: Imanuel Lerman, MD Ameet Nagpal, MD | 2 credits |
| 8:00 am - 10:00 am | WS-20 Resident/Fellow Fluoroscopy Workshop (cadaver) (\$30) Neuroradiology, Fluoroanatomy, and Hands-On Fluoroscopy Workshop | Lead: Magdalena Anitescu, MD | Grand Oaks N |
| | | Faculty: Sandeep Amin, MD Reda Tolba, MD | Associate Faculty: Vasudha Goel, MD Christine Oryhan, MD 2 credits |
| 10:45 am - 12:45 pm | WS-21 Resident/Fellow Ultrasound Workshop (live model) (\$30) Sonoanatomy and Hands-On Ultrasound Workshop | Lead: Anuj Bhatia, MD | Grand Oaks N |
| | | Faculty: Dalia Elmofly, MD Antoun Nader, MD | 2 credits |
| 10:45 am - 12:45 pm | WS-22 Hands-On Fluoroscopy Workshop (cadaver) (\$345) Vertebral Augmentation I (Beginner): Lumbar Vertebroplasty and Balloon Kyphoplasty | Lead: Maunak Rana, MD | Cibolo 10 |
| | | Faculty: Hemmo Bosscher, MD Brian Bruel, MD Marte Martinez, MD | Associate Faculty: George Galvan, MD 2 credits |
| 2:30 pm - 4:30 pm | Afternoon Workshop Coordinator | James Modir, MD | |
| 2:30 pm - 4:30 pm | WS-23 Hands-On Fluoroscopy Workshop (cadaver) (\$345) Surgical Skills: Intrathecal Pump and Stimulator Battery Implantation | Lead: Robert Goldstein, MD | Cibolo 8 |
| | | Faculty: Sandeep Amin, MD | Associate Faculty: George Galvan, MD 2 credits |
| 2:30 pm - 4:30 pm | WS-24 Hands-on Fluoroscopy and Ultrasound Workshop (cadaver, live model) (\$345) Peripheral Nerve Stimulation and Ultrasound Neurography | Lead: Samer Narouze, MD, PhD | Grand Oaks N |
| | | Faculty: Maged Mina, MD Hariharan Shankar, MD Dmitri Souza, MD | Associate Faculty: Gassan Chaiban, MD 2 credits |
| 2:30 pm - 4:30 pm | WS-25 Hands-On Fluoroscopy Workshop (cadaver) (\$345) Vertebral Augmentation II (Advanced): Thoracic Vertebral Augmentation, Vertebral Implants (KIVA) and Vertebral RFA | Lead: Magdalena Anitescu, MD | Cibolo 10 |
| | | Faculty: Brian Bruel, MD Maunak Rana, MD | Associate Faculty: Marte Martinez, MD 2 credits |



17th Annual Pain Medicine Meeting

November 15-17, 2018
JW Marriott San Antonio Hill Country
San Antonio, Texas
www.asra.com

#ASRAFall18



Ask the Expert Interactive Sessions Thursday, November 15, 2018

(open to all attendees, seats are limited)

| | | | |
|----------------------------|--|--------------------------------------|--------------|
| 8:15 am - 9:45 am | IS-01 Ask the Expert Interactive Session Multidisciplinary Panel on the Role of Percutaneous Spine Decompression and Augmentation | Moderator: Leonardo Kapural, MD | Cibolo 7 |
| 8:15 am | Spine/Sacral Augmentation for Cancer | Brian Bruel, MD | 1.5 credits |
| 8:35 am | Spine/Sacral Augmentation for Traumatic Fractures | Steven Falowski, MD | |
| 8:55 am | Emerging Percutaneous Spine Decompression Techniques | Dawood Sayed, MD | |
| 9:15 am | Panel Discussion and Open Forum | | |
| 10:00 am - 12:00 pm | IS-02 Ask the Expert Interactive Session Advocating Effectively for Positive Changes to our Practice Climate: Legislature, Payors, and Societies | Moderator: Richard Rosenquist, MD | Cibolo 7 |
| 10:00 am | Strategies for Negotiating with Payors | Jay Grider, DO | 2 credits |
| 10:25 am | Importance of Engaging State Legislators to Advocate for Patient Safety | Larry Driver, MD | |
| 10:50 am | Using Social Media to Grow Engagement and Awareness among Pain Society Members | Edward Mariano, MD | |
| 11:15 am | Quality Metrics Reporting: Importance Beyond Reimbursement and Update on ASRA-ASA TEP Quality Measures | Matthew Popovich, PhD | |
| 11:40 am | Panel Discussion and Open Forum | | |
| 1:30 pm - 3:30 pm | Spec-01 Special Interactive Session (<i>\$75, registration required</i>) Musculoskeletal and Neurologic Physical Examination for the Pain Medicine Practitioner | Moderator: Joshua Wellington, MD | Cibolo 10 |
| | 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 under faculty guidance. | Brian Bruel, MD | 2 credits |
| | | Ameet Nagpal, MD | |
| | | Shalini Shah, MD | |
| 1:30 pm - 3:30 pm | IS-03 Ask the Expert Interactive Session Professional Burnout: Insights and Strategies | Moderator: Andrea Nicol, MD | Cibolo 7 |
| 1:30 pm | Identifying Burnout in Yourself and Colleagues: Current Tools and Insights | Oscar de Leon-Casasola, MD | 1.5 credits |
| 2:00 pm | Building Resilience: Applying Patient Care Concepts to Physician Wellness | Afton Hassett, PsyD | |
| 2:30 pm | Practicum on Applying Mindfulness and Meditation | Somayaji Ramamurthy, MD | |
| 3:00 pm | Panel Discussion and Open Forum | | |
| 3:45 pm - 5:15 pm | IS-04 Ask the Expert Interactive Session Maintaining Resolve in Controlled Substances: Risk Management, Abuse, Diversion, and Detoxification | Moderator: Larry Driver, MD | Grand Oaks G |
| 3:45 pm | Current Practice Standards for Toxicology Monitoring | Aaron Calodney, MD | 2 credits |
| 4:05 pm | Advances and Pitfalls of Prescription Database Monitoring Programs | Donald McGeary, PhD | |
| 4:25 pm | Pain Treatment, Substance Use Disorder, and Detecting Aberrant Behaviors | Van King, MD | |
| 4:45 pm | Medicinal Marijuana: Update on Legality and Regulations | Mark Wallace, MD | |
| 5:05 pm | Panel Discussion and Open Forum | | |
| 3:45 pm - 5:15 pm | Spec-02 Special Interactive Session (<i>\$75, registration required</i>) Reading and Interpretation of Spinal Imaging and EMG: Correlating Studies to Pain Symptoms | Moderator: Maunak Rana, MD | Cibolo 7 |
| 3:45 pm | Correlating MRI Findings to Pain Generators | Jeffrey Petersohn, MD | 1.5 credits |
| 4:05 pm | Key Points in Understanding EMG: "Ripleys Radiulopathy - Or NOT" | Ameet Nagpal, MD | |
| 4:25 pm | MR Neurography: When Is It Helpful? | Alexander Papanastassiou, MD | |
| 4:45 pm | Panel Discussion and Open Forum | | |

Ask the Expert Interactive Sessions Friday, November 16, 2018

(open to all attendees, seats are limited)

| | | | |
|----------------------------|--|-------------------------------------|--------------|
| 8:00 am - 9:45 am | IS-05 Ask the Expert Interactive Session Multidisciplinary Panel on Experiences in Advanced Neuromodulation Techniques | Moderator: Joshua Wellington, MD | Cibolo 7 |
| 8:00 am | Experiences in Neuromodulation (and Intrathecal Therapy) for Craniofacial Pain | Alexander Papanastassiou, MD | 1.75 credits |
| 8:20 am | Dorsal Root Ganglion Stimulation: Methods to Optimize Outcomes and Limit Complications | Timothy Lubenow, MD | |
| 8:40 am | Emerging Evidence for New Indications | Leonardo Kapural, MD | |
| 9:00 am | Peripheral Stimulation | Marc Huntoon, MD | |
| 9:20 am | Panel Discussion and Open Forum | | |
| 10:30 am - 12:15 pm | IS-06 Ask the Expert Interactive Session The Bold Horizon: Emerging Research and Index Publications | Moderator: Gary Brenner, MD | Cibolo 7 |
| 10:30 am | Best of Meeting Abstract 6284 | | 1.75 credits |
| 10:35 am | Notable Highlights in Interventional Pain Management | David Kennedy, MD | |
| 10:55 am | Pragmatic Research: Where Do We Go from Here? | Gary Brenner, MD | |
| 11:15 am | Evidence Based Methods In Pain Education | Marc Huntoon, MD | |
| 11:35 am | Practical Statistical Concepts for Pain Practitioners | Ameet Nagpal, MD | |
| 11:55 am | Panel Discussion and Open Forum | | |





17th Annual Pain Medicine Meeting

November 15-17, 2018
JW Marriott San Antonio Hill Country
San Antonio, Texas
www.asra.com

#ASRAFall18



| | | | |
|---|---|---|---|
| 1:30 pm - 3:30 pm | Spec-03 Special Interactive Session <i>(\$75, registration required)</i> Musculoskeletal and Neurologic Physical Examination for the Pain Medicine Practitioner 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 under faculty guidance. | Moderator: Joshua Wellington, MD Brian Bruel, MD Gassan Chaiban, MD David Walega, MD | Cibolo 10 2 credits  |
| 1:45 pm - 3:30 pm | IS-07 Ask the Expert Interactive Session Motivational Interviewing, Brief Psychological Interventions, Family Dynamics, and Focused Psychological Treatments in Clinical Care | Moderator: Maxim Eckmann, MD | Cibolo 7 |
| 1:45 pm 2:05 pm 2:25 pm 2:45 pm 3:05 pm | C'mon Get Happy: Resilience Interventions in Chronic Pain Syndromes Identifying and Addressing Maladaptive Family Dynamics Acceptance and Commitment Therapy (ACT) for Chronic Pain Patients on Opioid Therapy Coping Skills and Active Management Approaches for Improving Function in Chronic Pain Panel Discussion and Open Forum | Afton Hassett, PsyD Cindy McGeary, PhD, ABPP Donald McGeary, PhD Jamie Clapp, PT, DPT, OCS | 1.75 credits |
| 4:15 pm - 6:00 pm | IS-08 Ask the Expert Interactive Session Buprenorphine: Practical Discussion on Management | Moderator: Carlos Pino, MD | Cibolo 7 |
| 4:15 pm 4:45 pm 5:10 pm 5:35 pm | Buprenorphine, Methadone, or Naltrexone: History, Rationale and Effectiveness in Opioid Use Disorder Evolving Role of Pain Physicians in Identifying, Treating Opioid Use Disorder I've Been Consulted on What to Do with This Patient's Buprenorphine Before and After Surgery: HELP! Panel Discussion and Open Forum | Van King, MD Riichard Rosenquist, MD Chad Brummett, MD | 1.75 credits  |



17th Annual Pain Medicine Meeting

November 15-17, 2018
JW Marriott San Antonio Hill Country
San Antonio, Texas
www.asra.com

#ASRAfall18



PA / Nurse Practitioner / Nursing Program Friday, November 16, 2018

9:45 am - 10:30 am Break in Exhibit Hall: PA/NP Meet and Greet in the Chat Room Exhibit Hall
Refreshments, Exhibition, ePosters, ASRA Chat Room, Internet Café

PA / Nurse Practitioner / Nursing Program Saturday, November 17, 2018

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 Medico-Legal Issues in Pain Practice Moderator: Bridget Calhoun, Dr PH, PA-C Grand Oaks G
8:00 am Welcome and Introductions 2 credits
8:10 am Interpreting Risk Screening Tools in Planning UDT and PMP Monitoring Larry Driver, MD
8:40 am Update on CII Prescribing in the USA for APNs Zohra Hussaini
9:10 am Robust Documentation of Phone Call Encounters Dalia Elmofty, MD
9:40 am Panel Discussion and Open Forum

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

10:45 am - 12:45 pm SCS and IDDS Practical Demonstration for Implantable Success Moderator: Jennifer Grimmer, DNP, FNP-BC Grand Oaks G
10:45 am Overview of Latest SCS Types and Configurations Maged Guirguis, MD 2 credits
11:10 am Trouble Shooting Common Failures of SCS Therapy Christine Oryhan, MD
11:35 am Safe Intrathecal Therapy Practices Alaa Abd-Elsayed, MD
12:00 pm Practicum and Seminar: Programming Implanted Devices Joshua Wellington, MD
12:25 pm Panel Discussion and Open Forum

Special Event
1:00 pm - 2:30 pm Excellence in ASRA Awards Luncheon
See schedule under main meeting

Interactive Seminar
2:30 pm - 5:00 pm Thinking Outside the Box For Non-Opioid Treatments: Physical and Complementary Therapies, Symptom Management in Palliative Care, and Headaches Moderator: Bridget Calhoun, Dr PH, PA-C Grand Oaks G
2:30 pm Holistic Approach to Pain Management for Patients and Families Heather Jackson, MSN, APRN-BC 2.5 credits
3:00 pm Managing Nausea, Agitation, Breathlessness, and Other Troublesome Symptoms at End of Life Larry Driver, MD
3:30 pm Key Headache Diagnoses and Rational Non-Opioid Approaches Shalini Shah, MD
4:00 pm "Tricks of the Trade" Panel Discussion and Open Forum Martha Bentley-Mclachlan, RN
Jennifer Grimmer, DNP, FNP-BC
Heather Jackson, MSN, APRN-BC



17th Annual Pain Medicine Meeting

November 15-17, 2018
JW Marriott San Antonio Hill Country
San Antonio, Texas
www.asra.com

#ASRAFall18



Moderated Poster Sessions

(non-CME)

Thursday, November 15, 2018

Cibolo 4

| | | |
|---------------------|---------------|-----------------------|
| 8:15 am - 9:45 am | MP-01a | Alaa Abd-Elseyed, MD |
| 10:00 am - 12:00 pm | MP-02a | Jeffrey Petersohn, MD |
| 1:30 pm - 3:30 pm | MP-03a | Carlos Pino, MD |
| 3:45 pm - 5:15 pm | MP-04a | Dawood Sayed, MD |

Friday, November 16, 2018

Cibolo 4

Cibolo 3

| | | | | |
|---------------------|---------------|----------------------|---------------|-----------------------|
| 8:00 am - 9:45 am | MP-05a | Shalini Shah, MD | MP-05b | Jennifer Rabbitts, MD |
| 10:30 am - 12:15 pm | MP-06a | Afton Hassett, PsyD | MP-06b | Dalia Elmofty, MD |
| 1:45 pm - 3:30 pm | MP-07a | Edward Mariano, MD | MP-07b | Hariharan Shankar, MD |
| 4:15 pm - 6:00 pm | MP-08a | Robert Goldstein, MD | MP-08b | Maged Guirguis, MD |

Saturday, November 17, 2018

Cibolo 4

| | | |
|---------------------|---------------|-------------------|
| 8:00 am - 10:00 am | MP-09a | Marc Huntoon, MD |
| 10:45 am - 12:45 pm | MP-10a | Ameet Nagpal, MD |
| 2:30 pm - 5:00 pm | MP-11a | Oscar de Leon, MD |