

# AAPM 2024

## 40 Years of Pain and Function

Course Directors: Amitabh Gulati, MD and Lynn Kohan, MD

The Westin Kierland

Scottsdale, AZ

March 7-10, 2024

Thursday, March 7, 2024

7:30 AM	Culturekeepers Registration	Registration Opens	
8:00-5:00 PM	Powell Boardroom	AAPM Board of Directors Meeting	
3:30-5:00 PM	Rainmakers Ballroom	AAPM BOD Round Table Meetings with Top Sponsors Invitation Only	
10:30A-4:00 PM	Kierland 1&2	Exhibit Hall Set Up	
<b>Greenway A</b> <b>Fundamentals</b> Moderated by: Sayed Emal Wahezi, MD		<b>Greenway B</b> <b>Emergency Medicine</b> Moderated by: Jessica Oswald, MD	<b>Herberger</b>
8:00-8:05 AM Introduction to the Session Presented by: Sayed Emal Wahezi, MD		8:00-8:50 AM Treating Acute and Chronic Pain in the ED and Inpatient Settings Presented by: Jessica Oswald, MD	Set Up for Lab .....
8:05-8:20 AM The Language of Pain: Decoding the Chief Complaint Presented by: Sayed Emal Wahezi, MD			
8:20-8:40 AM An Algorithmic Approach to the Lumbar and Cervical Pain Exam Presented by: Bhavana Yalamuru, MD			
8:40-9:00 AM How to Perform a Pain Physical Exam on Telemedicine Presented by: Sayed Emal Wahezi, MD			

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<p>9:00 -9:20 AM Discussion: MRI, CT, Xray, and US for Spine Pain: When to Order and Interpret? Sayed Emal Wahezi, MD, and Nathan Neufeld, MD</p>	<p>9:00-9:40 AM Infusion Therapies – Ketamine/Lidocaine Presented by: Jon B. Lee, MD</p>		
<p>9:20-9:40 AM Diagnostic Ultrasound: Shoulder, Hip and Knee Basics Presented by: Vinita Singh, MD</p>			
<p><b>9:40-10:00 AM - Break - Northern Sky Terrace</b></p>			
<p>10:00-10:30 AM Pharmacology of Opioids Presented by: Ann Shah, MD</p>	<p>10:00-10:45 AM Managing Patients with Acute Pain on Buprenorphine Presented by: Paul DeJulio, MD</p>		
<p>10:30-11:00 AM Adjuvants Presented by: Jennifer Hah, MD</p>	<p>10:55-11:20 AM Tips to Improve Needle Visualization, Needle Types, Standard Monitoring, Medication Dosing and LAST Treatment Presented by: Tony Machi, MD</p>		
<p>11:00-11:20 AM Tendinopathies: Diagnosis and Treatment Presented by: Sayed Emal Wahezi, MD</p>	<p>11:30-11:50 AM Panel: Short and Long-Acting Anesthetics for Blocks</p>		
<p>11:20-11:40 AM</p>			

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Neuropathies and CRPS Presented by: Einar Ottestad, MD	Presented by: Tony Machi, MD, Jessica Oswald, MD, Rodney Gabriel, MD, Amitabh Gulati, MD	
11:40-12:00 PM Pathophysiology of Headaches Presented by: David Copenhaver, MD		
<b>12:00-1:00 PM</b> <b>Rainmakers Ballroom</b> <i>**Not part of the CME Program, no CME credits available for this session</i>		
<b>Greenway A</b> <b>Cancer Pain</b> Moderated by David Copenhaver, MD, MPH	<b>Greenway B</b> <b>APP Boot Camp</b> Moderated by Jeremy Adler, DMSc, PA-C, Theresa Mallick-Searle, MS, PMGT-BC, ANP-BC, and Mandy Zimmerman, PA-C	<b>Herberger</b>
1:00-1:05 PM Introduction Presented by: David Copenhaver, MD, MPH	1:00-1:10 PM Opening Remarks	1:00-3:00 PM <b>Emergency Medicine:</b> Physical exam and intervention selection- Jon B. Lee, MD
1:05-1:40 PM Vertebral Augmentation and Cancer Pain Presented by: Nathan Neufeld, MD	1:10-1:40 PM Cannabis Presented by: Theresa Mallick-Searle, MS, PMGT-BC, ARNP-BC	Radiculopathy vs axial back pain (Facet, SI joint, Piriformis, bursa, cluneal)
1:40-2:10 PM Peripheral Nerve Stimulation and Cancer Pain Presented by: Amit Gulati, MD	1:40-2:40 PM Flash Talks	Piriformis/Sciatic/Greater Trochanteric Bursa- Paul DeJulio, MD

# AAPV 2024

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The Westin Kierland

Scottsdale, AZ

March 7-10, 2024

<p>2:10-2:40 PM Opioid therapy and the immune system Presented by: Nathan Neufeld, MD</p>	<ul style="list-style-type: none"><li>● Low dose Naltrexone - Jeremy Adler, DMSc</li><li>● Buprenorphine – Mandy Zimmerman, PA-C</li><li>● Impact of Lifestyle Habits - Mandy Zimmerman, PA-C</li><li>● Microbiome in Pain - Theresa Mallick-Searle, MS, PiMGT-BC, ARNP-BC</li><li>● Pain in Pregnancy – Theresa Mallick-Searle, MS, PMGT-BC, ARNP-BC</li><li>● Temporal Arteritis – Jeremy Adler, DMSc</li></ul> <p>Discussion Lead by: Theresa Mallick-Searle, MS, PMGT-BC, ARNP-BC</p>	<p>Serratus Anterior/Intercostal block – Jessica Oswald, MD</p> <p>Genicular/adductor canal/popliteal sciatic- Rodney Gabriel, MD, Tony Machi, MD</p> <p><b>Fundamentals: Cadaver</b> <b>Lab Stations:</b></p> <ol style="list-style-type: none"><li>1. Hip and Knee Injections (pelvis to foot)</li><li>2. Shoulder Injection and Elbow (lateral epicondylitis) (shoulder and elbow)</li><li>3. Sacroiliac Joint and Piriformis (torso with lumbar spine)</li><li>4. Occipital Nerve and Posterior Neck (torso with head)</li></ol> <p><b>Faculty to include:</b> Bhavana Yalamuru, MD Thomas Buchheit, MD station 1 hip and knee Sayed Emal Wahezi, MD Vinita Singh, MD</p>
<p>2:40-3:00 PM Northern Sky Terrace Break</p>		

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<p>3:00-3:30 PM Chemotherapy induced Treatments for Neuropathy Presented by: Vinita Singh, MD</p>	<p>3:00-3:30 PM Vertebrogenic Pain Presented by: Jeremy Adler, DMSc, PA-C</p>	<p><b>Break 3:00-3:30 PM</b> <b>Northern Sky Terrace</b></p>
<p>3:30-4:00 PM Treatments for Breast Cancer Related Pain Presented by: Ann Shah, MD</p>	<p>3:30-4:30 PM Safe Opioid Prescribing Presented by Mandy Zimmerman, PA-C</p>	<p>3:30-5:30 PM <b>Emergency Medicine: Cadaver Lab</b> Caudal epidural &amp; Erector spinae plane block - Paul DeJulio, MD, and Jessica Oswald, MD Interscalene and stellate - Rodney Gabriel, MD Suprascapular and axillary nerve - Jon B. Lee, MD PENG/Fascia Iliaca - Tony Machi, MD</p> <p><b>Fundamentals: Ultrasound Guided Acute and Chronic Pain Procedures Lab</b> <b>Live Model Scanning Stations:</b></p> <ol style="list-style-type: none"> <li>1. Saphenous, Genicular and Sciatic Nerve</li> <li>2. Axillary and Suprascapular Nerve with Radial, Ulnar, and Median Nerve</li> <li>3. Stellate Ganglion and Anterior Neck</li> <li>4. Intercostal and Paravertebral Nerves</li> </ol> <p><b>Lab Faculty to include:</b> Jennifer Hah, MD Amit Gulati, MD Einar Ottestad, MD</p>
<p>4:00-4:30 PM What have we learned? – intrathecal therapy and cancer-related pain Presented by: Vinita Singh, MD</p>	<p>4:30-5:30 PM Case Studies, Q&amp;A and Open Discussion Presented by: Jeremy Adler, DMSc, PA-C, Theresa Mallick-Searle, MS, PMGT-BC, ARNP-BC and Mandy Zimmerman, PA-C</p>	
<p>4:30-5:00 PM Complex Cases Moderator: David Copenhaver, MD, MPH Panelists: Vinita Singh, MD and Nathan Neufeld, MD</p>		

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5:30-6:30 PM	Kierland 1&2	<b>Welcome Reception with Exhibits</b> <i>**Not part of the CME Program, no CME credits available for this session</i>
6:30-7:30 PM	Vista Morada	<b>APP Reception Sponsored by Applied VR</b> <i>**Not part of the CME Program, no CME credits available for this session</i>

### Friday, March 8, 2024

7:30-8:00 AM	Trailblazer ABCDE	<b>Registration Opens and Continental Breakfast</b> <i>**Not part of the CME Program, no CME credits available for this session</i>
8:00-9:00 AM	Kierland 3&4	<b>Keynote Presentation</b> <i>Physician Leadership in Advancing Digital Health and Ending the Overdose Epidemic</i> <b>Jesse M. Ehrenfeld, MD, MPH</b>
9:00-9:30 AM	Kierland 3&4	AAPM Journal Highlights Moderated by: Rollin Gallagher, MD Presented by: Robert Hurley, MD, PhD and Zack McCormick, MD
9:30-10:00 AM	Kierland 1&2	<b>Break with Exhibits</b> <b>Product Theater Sponsored by Trice Medical/Sayed Emal Wahezi, MD</b> <i>“TENEX – A Novel Percutaneous Procedure with Long Term Level 1 Evidence to Treat Refractory Joint Disease.”</i> <i>**Not part of the CME Program, no CME credits available for this session</i>
Kierland 3&4   10:00-11:00 AM Robust Acute Pain Service Moderated by Salman Hirani, MD		Herberger 1,2   10:00-11:00 AM Basic Science Moderated by Farshad Ahadian, MD
10:00-10:30 AM		10:00-10:05 AM Introduction Presented by: Farshad Ahadian, MD

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<p>Overview the Role of Perioperative Pain Program or Transitional Pain Program in Supporting Successful Pain Services          ...Understanding Ways to Treat Challenging Pain Patients          Presented by: Marie Hanna, MD</p>	<p>10:05-10:10 AM          Abstract Presentation: Utilizing Quick Response (QR) Codes and Uniform Resource Locator (URL) Links in Printed Discharge Instructions to Deliver Easily Accessible Multimedia Resources          Presented by: Jessica Oswald, MD, MPH, Abbey Ervin, BS</p>
<p>10:30-11:00 AM          Empowering the Multi-D Approach of a Successful Acute Pain Services and Understanding the Financial Implication of a Successful Pain Service to the Division and to the Hospital          Presented by: Nabil Elkassabany, MD</p>	<p>10:10-10:35 AM          How is Pain Manifested in the Brain and Body?          Why Mindfulness for Pain? Is Mindfulness a Placebo? Short Answer: No.          Presented by: Fadel Zeidan, MD</p>
<p><b>Kierland 3&amp;4   11:00AM-12:00 PM</b>  <b>Education Panel</b>  <b>Moderated by Lynn Kohan, MD</b></p>	<p><b>Herberger 1,2   11:00AM-12:00 PM</b>  <b>Neuromodulation</b>  <b>Moderated by: Kevin Vorenkamp, MD</b></p>
<p>11:00-11:05 AM          Abstract Presentation: A National Comparative Effectiveness Study of Cognitive Behavioral Therapy for Chronic Pain and Chronic Pain Self-Management within the Context of Voluntary Patient-Centered Prescription Opioid Tapering: Baseline Patient Characteristics form the EMPOWER Study          Presented by: Perez Luzmercy, BA</p>	<p>11:00-11:05 AM          Introduction          Presented by: Kevin Vorenkamp, MD</p>
<p>11:05-11:20 AM          Creating a Pipeline from Med School from Residency through Fellowship          Presented by: Anuj Aggarwal, MD</p>	<p>11:05-11:10 AM          AAPD Meeting          Neal Lemon, MD</p>

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<p>11:20-11:35 AM How to Foster a Physician -Scientist and Get Them Excited about PAIN Presented by: Jennifer Hah, MD</p>	<p>11:10-11:20 AM Non-Invasive Neuromodulation for Myofascial Pain Syndromes Presented by: Amitabh Gulati, MD</p>
<p>11:35-11:50 AM Post Fellowship – How Do We Continue to Support Our Fellows, Prevent Burnout and Foster Community? Presented by: Meredith Barad, MD</p>	<p>11:20-11:35 AM Peripheral Nerve Stimulation and Musculoskeletal Pain Presented by: Kevin Vorenkamp, MD</p>
	<p>11:35-11:50 AM Restorative Neuromodulation for Chronic Low Back Pain Presented by: Christopher Gilligan, MD, MBA</p>
<p><b>11:50-12:00 PM</b> <b>Transition to Lunch</b></p>	
<p><b>12:00-1:00 PM – Trailblazer Ballroom Sponsored by PharmaCom</b> <i>Rethinking the Fundamentals of Opioid Prescribing: Rebalancing Benefit-Risk to Improve Patient Outcomes</i> Presented by: Christopher G. Gharibo, MD, and Lynn R. Webster, MD Supported by an educational grant from Collegium Pharmaceutical, Inc.</p>	
<p><b>Kierland 3&amp;4   1:00-2:00 PM</b> <b>Chronic pain, VR-The Use of Artificial Intelligence (Chat GPT) in Pain</b> Moderated by Trent Emerick, MD, MBA</p>	<p><b>Herberger 1,2   1:00-2:00 PM</b> <b>Osteoarthritis/Rheumatoid Arthritis</b> Moderated by: Lynn Kohan, MD</p>
<p>1:00-1:05 PM Introduction: What is Chat GPT in Medicine? Presented by: Trent Emerick, MD, MBA</p>	<p>1:00-1:05 PM Abstract Presentation: Opioids Diminish Placebo Antidepressant Response Independently of Pain in a Ketamine Depression Trial: A Post Hoc Analysis Presented by: Theresa Lii, MD, MS</p>
<p>1:05-1:20 PM Utilizing Chat GPT to Educate Patients about Procedures Presented by: Trent Emerick, MD, MBA</p>	<p>1:05-1:18 PM NICE Guidelines and Intra-articular Injections Presented by: Robert Hurley, MD, PhD</p>

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<p>1:20-1:35 PM Integrating Chat GPT into Clinical Pain Medicine Pro/Con Pro - Farshad Ahadian, MD Con - Charles Argoff, MD</p>	<p>1:18-1:30 PM Clinical Outcomes in Cryoanalgesia Presented by: Lynn Kohan, MD</p>
<p>1:35-1:50 PM Future Directions for Chat GPT in Pain Medicine Presented by: Salman Hirani, MD</p>	<p>1:30-1:45 PM Updates in Chemoneurolysis and Real Word Outcomes of Genicular RFA Presented by: Zack McCormick, MD</p>
<p>1:50-2:00 PM Panel Discussion Moderated by: Trent Emerick, MD, MBA Panelists: Farshad Ahadian, MD, Charles Argoff, MD, and Salman Hirani, MD</p>	<p>1:45-2:00 PM Update on Research-SKOAP Study Presented by: Steven Cohen, MD</p>
<p><b>Kierland 3&amp;4   2:00-3:00 PM</b> <b>Pain and Diversity-Racial/Ethnic Considerations in Pain Management and Implicit Bias: What Providers Need to Know</b> Moderated by Natacha Telusca, MD, MPH</p>	<p><b>Herberger 1,2   2:00-3:00 PM</b> <b>SPARTAN session – Spondyloarthritis</b> Moderated and presented by: Philip Mease, MD</p>
<p>2:00-2:05 PM Introduction Presented by: Natacha Telusca, MD, MPH</p>	<p>2:00-2:15 PM Epidemiology, Classification and Clinical Manifestations Presented by: Philip Mease, MD</p>
<p>2:05-2:20 PM The History of Medical Racism in the United States Presented by: Natacha Telusca, MD, MPH</p>	<p>2:15-2:25 PM Treatment Presented by: Philip Mease, MD</p>

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<p>2:20-2:35 PM Recognizing the Impact of Implicit Bias in Pain Management: Understanding Implicit Bias and Its Potential Influence on Pain Assessment and Treatment Decisions Presented by: Natalie H. Strand, MD</p>	<p>2:25-2:35 PM Comorbidities Presented by: Philip Mease, MD</p>	
<p>2:35-2:50 PM Health Equity Presented by: Gobi Paramanandam, MD</p>	<p>2:35-2:50 PM Delay in Diagnosis Presented by: Philip Mease, MD</p>	
<p>2:50-3:00 PM Panel: Q&amp;A Moderated by: Natacha Telusca, MD, MPH Panelists: Natalie Strand, MD and Gobi Paramanandam, MD</p>	<p>2:50-3:00 PM Q&amp;A Lead by: Philip Mease, MD</p>	
<p>3:00-3:30 PM</p>	<p>Kierland 1&amp;2</p>	<p><b>Break with Exhibits</b> <i>**Not part of the CME Program, no CME credits available for this session</i> <b>Product Theater hosted by Averitas</b> <b>“With QUTENZA, sustained pain relief is measured in months. Not days. Please see a live step-by-step QUTENZA application”.</b> <b>Presenter: Theresa (Tracey) Mallick-Searle, MS, PMGT-BC, ANP-BC Nurse Practitioner – Pain Management, Stanford- Health Care</b>  <b>Application demonstration by: Zohra Hussaini, MSN, FNP-BC, MBA, Family Practitioner – Pain Management, University of Kansas Health System</b></p>
<p><b>Kierland 3&amp;4   3:30-4:30 PM</b> <b>Integrative Medicine</b> Moderated by Beth Hogans, MD</p>		<p><b>Herberger 1,2   3:30-4:30 PM</b> <b>Neuromodulation Part 1 -Spinal Cord Stimulation and the Cochrane Review and Advances</b> Moderated by: Timothy Deer, MD</p>

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3:30-3:35 PM Introduction Presented by: Steven Stanos, DO	3:30-3:35 PM Abstract Presentation: Vaporized Cannabis versus Placebo for Acute Migraine: A Randomized Controlled Trial Presented by: Nathaniel Schuster, MD
3:35-3:55 PM Expansion of Pain Care Beyond the Opioid Crisis Presented by: Steven Stanos, DO	3:35 PM Introduction - The Current State of Neurostimulation Presented by: Timothy Deer, MD
	3:35-3:55 PM Spinal Cord Stimulation for Non Surgical Low Back Pain Presented by: Natalie Strand, MD
3:55-4:15 PM Whole Person Health and Value-added to the Patient in Pain Presented by: Rosanne Sheinberg, MD, ABoIM	3:55-4:15 PM Issues with Spinal Cord Stimulation studies Presented by: Jason Pope, MD
4:15-4:30 PM Panel Q&A Moderated by: Beth Hogans, MD Panelists: Rosanne Sheinberg, MD, ABoIM and Steven Stanos, DO	4:15-4:30 PM AAPM response to the Cochrane Review and future directions for SCS Presented by: Zack McCormick, MD
<b>Kierland 3&amp;4   4:30-5:30 PM</b> <b>Accessible Whole Person Chronic Pain Care: Integrative Innovations across Veteran, Civilian, Urban and Rural Care Settings</b> <b>Moderated by: Traci Speed, MD, PhD and Beth Darnall, PhD</b>	<b>Herberger 1,2   4:30-5:30 PM</b> <b>Neuromodulation Part 2 - Closed Loop, Waveforms, Outcome Measurements</b> <b>Moderated by: Amitabh Gulati, MD</b>
4:30-4:35 PM Introduction Presented by: Beth Darnall, PhD	4:30-4:35 PM Abstract Presentation: Complementary, Integrative and Standard Rehabilitative Pain Therapies in a Military Population: Preliminary Results of a Pragmatic Clinical Trial Presented by: Dianne Flynn, MD

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4:35-4:45 PM Integration of a 1-session Pain Relief Skills Intervention Across Patient Populations and Chronic Pain Practice Settings Presented by: Beth Darnall, PhD	4:35-4:55 PM DRG in Advance Waveform Decision Making for the Future of SCS Presented by: Timothy Deer, MD	
4:45-4:55 PM Whole Person Pain Care for All – Matching Intensity of Care to Patient Readiness Presented by: Aram Mardian, MD	4:55-5:05 PM Closed-Loop SCS Presented by: Jason Pope, MD	
4:55-5:05 PM Increasing Access To Whole Health Pain Care Through Interdisciplinary Teams in a Rural VA Presented by: Rena E. Courtney, PhD	5:05-5:20 PM Advanced Outcome Measurements Presented by: Natalie Strand, MD	
5:05-5:15 PM - Whole Person Chronic Pain Care of Racially Minoritized Populations in an Urban Setting Presented by: Traci Speed, MD, PhD	5:20-5:30 PM Panel: A Moderated Debate with Case Examples Presented by: Natalie Strand, MD, Jason Pope, MD and Timothy Deer, MD	
5:15-5:30 PM Panel: Q&A		
5:30-6:30 PM	Kierland 1&2	<b>Reception with Exhibits sponsored by Scilex Holding Company In AMA PIN - In Real Life (IRL) events and presentations via product theater in exhibit hall “Back to the Future”</b> <i>**Not part of the CME Program, no CME credits available for this session</i>
6:30-7:30 PM	Merriam/Stargazers Terrace	<b>Innovation Networking Reception Sponsored by Saluda Medical</b> <i>*Invitation Only</i> <i>**Not part of the CME Program, no CME credits available for this session</i>
6:30-8:00 PM	Marshall’s Outpost Pavilion	<b>Fellow and Resident Reception, Meet &amp; Greet, Awards “Back to the Residents &amp; Fellows”</b> <i>**Not part of the CME Program, no CME credits available for this session</i>

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Saturday, March 9, 2024

7:30-8:00 AM	Trailblazer ABCDE	<b>Registration and Continental Breakfast</b> <b>Membership Business Meeting</b> <i>**Not part of the CME Program, no CME credits available for this session</i>	
<b>Kierland 3&amp;4   8:00-9:00 AM</b> <b>Regenerative Medicine Stem Cells, Exosomes, and Regenerative Therapies: Innovation and Future Application</b> <b>Moderated by: Thomas Buchheit, MD</b>		<b>Herberger 1,2   8:00-9:00 AM</b> <b>Global Health</b> <b>Moderated by: Farshad Ahadian, MD</b>	
8:00-8:25 AM Stem cells: Mechanisms and Future Application Presented by: Jianguo Cheng, MD, PhD		8:00-9:00 AM Global Health & Pain Medicine: Workforce Readiness for the Next 40 Years.	
8:25-8:50 AM The Scientific Evidence for Exosomes in the Treatment of Neuropathy and other Degenerative Conditions Presented by: Thomas Buchheit, MD		<i>Featuring panelists from the British Pain Society, Canadian Pain Society, Sine Dolore Foundation, and AAPM</i> <ul style="list-style-type: none"> <li>● Arun Bhaskar, MBBS, MSc, FRCA, FFPMRCA, FFICM, FIPP</li> <li>● John Xavier Pereira, MD, MC, CCFP</li> <li>● Jordi Moya Riera, MD, PhD</li> <li>● Sayed Emal Wahezi, MD</li> <li>● Charles Argoff, MD</li> </ul>	
8:50-9:00 AM Panel Discussion/Q&A Moderated by: Thomas Buchheit, MD Panelists: Jianguo Cheng, MD, PhD and Thomas Buchheit, MD			
<b>Kierland 3&amp;4   9:00-10:00 AM</b> <b>Complex MSK topics - Updates in Radiofrequency Ablation: Changes in our Basic Understanding to Revolutionize our Future?</b> <b>Moderated by: Paul Lynch, MD</b>		<b>Herberger 1,2   9:00-10:00 AM</b> <b>Intrathecal Drug Delivery</b> <b>Moderated by: Tim Furnish, MD</b>	
9:00-9:30 AM Interventional Solutions for Complex Shoulder Pain Presented by: Sayed Emal Wahezi, MD		9:00-9:15 AM Intrathecal Baclofen Presented by: Lynn Kohan, MD	

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		9:15-9:30 AM Complex Drug Regimens and Intrathecal Ziconotide Presented by: Jason Pope, MD
9:30-10:00 AM Interventional Solutions for Hip and SI Joint Presented by: Jennifer K. Dais, MD		9:30-9:45 AM Ketamine Presented by: Nathan Neufeld, MD
		9:45-10:00 AM Panel Discussion - Troubleshooting Moderated by: Timothy Furnish, MD Panelists: Amit Gulati, MD, Nathan Neufeld, MD, Jason Pope, MD, Lynn Kohan, MD
10:00-10:30 AM	Kierland 1&2	<b>Break with Exhibits sponsored by Scilex Holding Company</b> <i>**Not part of the CME Program, no CME credits available for this session</i> <b>Product Theater hosted by AVERITAS</b> <b>“With QUTENZA, sustained pain relief is measured in months. Not days. Please see a live step-by-step QUTENZA application”</b>
Kierland 3&4   10:30-11:30 AM Vertebrogenic Pain Moderated by: Zack McCormick, MD		Herberger 1,2   10:30-11:30 AM Neuroimaging and the Digital Age for Chronic Pain Medicine Moderated by: Charles Argoff, MD
10:30-10:35 AM Introduction Presented by Zack McCormick, MD		10:30 AM Introduction Presented by Sean Mackey, MD, PhD

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<p>10:35-10:50 AM The Pathophysiology and Clinical Profile of Vertebrogenic Pain Presented by: Sayed Emal Wahezi, MD</p>	<p>10:30-10:55 AM Neuroimaging of Pain Presented by: Sean Mackey, MD, PhD</p>	
<p>10:50-11:05 AM Basivertebral Nerve Radiofrequency Ablation Outcomes and its Role in the Clinical Care Paradigm Presented by: Zack McCormick, MD</p>	<p>10:55-11:20 AM Understanding Learning Health Systems/Digital Health Platforms in Chronic Pain Presented by: Ajay Wasan, MD</p>	
<p>11:05-11:20 AM Healthcare Utilization and Cost Effectiveness Analysis of Basivertebral Nerve Radiofrequency Ablation Presented by: Jason Pope, MD</p>		
<p>11:20-11:30 AM Question &amp; Answer Session</p>	<p>11:20-11:30 AM Q&amp;A Session</p>	
<p><b>Kierland 3&amp;4   11:30 AM-12:30 PM</b> <b>Advanced MIS and RFA</b> Moderated by: Zack McCormick, MD</p>	<p><b>Herberger 1,2   11:30 AM-12:30 PM</b> <b>Migraine and Facial Pain</b> Moderated by: Meredith Barad, MD</p>	<p><b>Herberger 3   11:30 AM-12:30 PM</b> <b>Funding Mechanisms for Start-Ups</b> Moderated by Brian Mayrsohn, MD and Salman Hirani, MD</p>
<p>11:30-11:35 AM Introduction Presented by: Zack McCormick, MD</p>	<p>11:30AM Introduction: The Intersection of Headache and Facial Pain - A Case-Based Exploration of Diagnoses and Treatment Presented by: Meredith Barad, MD</p>	<p>Panel: Healthcare Startups: Fundraising in Modern Times M. Christine Stock, MD (Health 2047), Sean Day (Rock Health) Tyler Best, PhD (ARPA-H)</p>

# AAPM 2024

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11:35-11:47 AM Sacroiliac Joint Fusion Presented by: Samir Sheth, MD	11:30-11:50 AM Case #1: Facial Migraine Presented by: Nathaniel Schuster, MD	
11:47-12:00 PM Innovations in Spinal Spacers Presented by: Paul Lynch, MD	11:50-12:10 PM Case #2: TMD vs TMJ Presented by: Marcela Romero-Reyes, DDS, PhD	
12:00-12:15 PM Updates in Endoscopic Pain Surgery Presented by: Zack McCormick, MD	12:10-12:30 PM Case #3: TAC Presented by: Meredith Barad, MD	Panel: Healthcare Startups: Navigating the Medical System Sachin Jain, MD, MBA (SCAN Health Plan), Jesse Ehrenfeld, MD, MPH (AMA), Jacob Coverstone (NIH HEAL PROMISE Network)
12:15-12:30 PM Panel: Q&A with Faculty		
<b>12:30-1:30 PM – Trailblazer ABCDE – Sponsored by Collegium</b> <b>“Responsible Pain Management With Opioid Therapy for Patients With Severe and Persistent Pain”</b> <b>Presented by Steven Stanos, DO, Pain Management Specialist, Seattle, WA</b> <i>**Not part of the CME Program, no CME credits available for this session</i>		
<b>Kierland 3&amp;4   1:30-3:30 PM</b> <b>AAPM + MIT Hacking Medicine Innovation Challenge - Pitch Event</b>		
<b>2024 Innovation Challenge Judges</b>		
<b>Jesse Ehrenfeld, MD,MPH: President, American Medical Association</b>		

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<p><b>Sachin Jain, MD:</b> CEO, SCAN Health Plan  <b>M. Christine Stock, MD:</b> Managing Director, Health2047  <b>Mary Van Doren,</b> Global Marketing Neuromodulation, Abbott  <b>Dan Brounstein:</b> CSO, Saluda Medical  <b>Sean Day:</b> Principal, Rock Health  <b>Tyler Best, PhD:</b> Deputy Director Health Science Futures, ARPA-H  <b>Alex Fair:</b> Medstartr  <b>Christine Von Raesfeld,</b> Patient Advocate/Start-Up Advisor</p>		
3:30-4:00 PM	Kierland 1&2	<p><b>Break with Exhibits</b>  <b>Product Theater presented by Sunoh.AI/Craig Hughes</b>  <i>**Not part of the CME Program, no CME credits available for this session</i></p>
4:00-6:00 PM	Kierland 1&2	<p><b>Exhibitor Tear Down</b></p>
<p><b>Kierland 3&amp;4   4:00-5:00 PM</b>  <b>Opioids and Marijuana</b></p>		<p><b>Herberger 1,2   4:00-5:00 PM</b>  <b>Flash Talks</b>  <b>Moderator: Farshad Ahadian, MD</b>  <i>**Not part of the CME Program, no CME credits available for this session</i></p>
<p><b>Herberger 3   4:00-5:00 PM</b>  <b>Flash Talks</b>  <b>Eduardo Fraiefeld, MD</b>  <i>**Not part of the CME Program, no CME credits available for this session</i></p>		
4:00-4:20 PM	Updates on Opioids Presented by: Antje Barreveld, MD	Flash Talks
4:20-4:40 PM	Updates in Marijuana Presented by: Tim Furnish, MD	
4:40-5:00 PM	Pro vs. Con – Tim Furnish, MD and Marie Hanna, MD	

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Kierland 3&4   5:00-6:00 PM Ketamine and Psychedelics Moderated by: Trent Emerick, MD, MBA <i>**Not part of the CME Program, no CME credits available for this session</i>		Herberger 1,2   5:00-6:00 PM Flash Talks Moderated by: Bob Wailes, MD <i>**Not part of the CME Program, no CME credits available for this session</i>	Herberger 3   5:00-6:00 PM Flash Talks Marie Hanna, MD <i>**Not part of the CME Program, no CME credits available for this session</i>
5:00-5:20 PM Basic Overview of Hallucinogens Presented by: Trent Emerick, MD, MBA		Flash Talks	Flash Talks
5:20-5:40 PM Evidence-Based Approaches to Using Ketamine, Hallucinogens, and Psychedelics in Chronic Pain Patients Presented by: Timothy Furnish, MD			
5:40-6:00 PM Psychological and Psychiatric Manifestations of Hallucinogens: What does the Chronic Pain Physician Need to Know? Presented by: Traci Speed, MD, PhD			
6:00 PM	<b>Marshall's Outpost Pavilion</b>	<b>40th Anniversary Celebration - AAPM Meet &amp; Greet</b> <i>**Not part of the CME Program, no CME credits available for this session</i>	

Sunday, March 10, 2024

# AAPV 2024

## 40 Years of Pain and Function

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The Westin Kierland

Scottsdale, AZ

March 7-10, 2024

7:30-8:00AM	Northern Sky Terrace Weather Back Up Trailblazer DE	<b>Continental Breakfast</b> <i>**Not part of the CME Program, no CME credits available for this session</i>	
<b>Attendees Choice!</b> <b>Herberger 1,2</b>		<b>Attendees Choice!</b> <b>Herberger 3</b>	
8:00-9:00 AM Acute Surgical Pain Presented by: Kellie Jaremko, MD, PhD and Nabil Elkassabany MD		8:00-9:00 AM Neuromodulation Education in Pain Fellowship: Pushing for Better Presented by: Shravani Durbhakula, MD, MPH, MBA	
9:00-10:00 AM The Science of Addiction and the Road to Recovery: Practical Tips for co-Managing Pain and Illicit Drug and Alcohol Use Presented by: Antje Barreveld, MD, Trent Emerick, MD, MBA		9:00-10:00 AM Treating the Complex Patient with Chronic Pain and Posttraumatic Stress Disorder: A Multilevel Perspective Presented by: Katie Hadlandsmyth, PhD, MA, MSc, Nicole Johnson, PhD, and Mary Driscoll, PhD	
10:00-11:00 AM Transdisciplinary Care for Painful Diabetic Neuropathy (PDN) Presented by: Jijun Xu, MD, PhD, Charles Argoff, MD, and Jianguo Cheng, MD, Christian Elias Nasr, MD, Eva Feldman, PhD		10:00AM-11:00 PM Rewiring and Precision Behavioral Medicine: An update on innovative, evidence-based behavioral medicine treatments for chronic pain and how to identify which option would be a best-fit for the patient in front of you.	
11:00AM-12:00 PM Comprehensive Medical and Interventional Pelvic Pain Management through Multidisciplinary Collaboration: A Case-based Discussion Presented by: Kristen MacKenzie, MD, Jennifer Hah, MD, Antje M. Barreveld, MD		Presented by: Kristen Slater, PsyD	