

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	
Greenway A Fundamentals Moderated by: Sayed Emal Wahezi, MD		Greenway B Emergency Medicine Moderated by: Jessica Oswald, MD	Herberger
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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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	9:00-9:40 AM Infusion Therapies – Ketamine/Lidocaine Presented by: Jon B. Lee, MD	
9:20-9:40 AM Diagnostic Ultrasound: Shoulder, Hip and Knee Basics Presented by: Vinita Singh, MD		
9:40-10:00 AM - Break - Northern Sky Terrace		
10:00-10:30 AM Pharmacology of Opioids Presented by: Ann Shah, MD	10:00-10:45 AM Managing Patients with Acute Pain on Buprenorphine Presented by: Paul DeJulio, MD	
10:30-11:00 AM Adjuvants Presented by: Jennifer Hah, MD	10:55-11:20 AM Tips to Improve Needle Visualization, Needle Types, Standard Monitoring, Medication Dosing and LAST Treatment Presented by: Tony Machi, MD	
11:00-11:20 AM Tendinopathies: Diagnosis and Treatment Presented by: Sayed Emal Wahezi, MD		

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	11:30-11:50 AM	
11:20-11:40 AM Neuropathies and CRPS Presented by: Einar Ottestad, MD	Panel: Short and Long-Acting Anesthetics for Blocks 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		
12:00-1:00 PM Rainmakers Ballroom <i>**Not part of the CME Program, no CME credits available for this session</i>		
Greenway A Cancer Pain Moderated by David Copenhaver, MD, MPH	Greenway B APP Boot Camp Moderated by Jeremy Adler, DMSc, PA-C, Theresa Mallick-Searle, MS, PMGT-BC, ANP-BC, and Mandy Zimmerman, PA-C	Herberger

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<p>1:00-1:05 PM Introduction Presented by: David Copenhaver, MD, MPH</p>	<p>1:00-1:10 PM Opening Remarks</p>	<p>1:00-3:00 PM Emergency Medicine: Physical exam and intervention selection- Jon B. Lee, MD</p>
<p>1:05-1:40 PM Vertebral Augmentation and Cancer Pain Presented by: Nathan Neufeld, MD</p>	<p>1:10-1:40 PM Cannabis Presented by: Theresa Mallick-Searle, MS, PMGT-BC, ARNP-BC</p>	<p>Radiculopathy vs axial back pain (Facet, SI joint, Piriformis, bursa, cluneal)</p>
<p>1:40-2:10 PM Peripheral Nerve Stimulation and Cancer Pain Presented by: Amit Gulati, MD</p>	<p>1:40-2:40 PM Flash Talks</p> <ul style="list-style-type: none"> ● Low dose Naltrexone - Jeremy Adler, DMSc ● Buprenorphine – Mandy Zimmerman, PA-C ● Impact of Lifestyle Habits - Mandy Zimmerman, PA-C ● Microbiome in Pain - Theresa Mallick-Searle, MS, PiMGT-BC, ARNP-BC ● Pain in Pregnancy – Theresa Mallick-Searle, MS, PMGT-BC, ARNP-BC ● Temporal Arteritis – Jeremy Adler, DMSc <p>Discussion Lead by: Theresa Mallick-Searle, MS, PMGT-BC, ARNP-BC</p>	<p>Piriformis/Sciatic/Greater Trochanteric Bursa- Paul DeJulio, MD</p> <p>Serratus Anterior/Intercostal block – Jessica Oswald, MD</p> <p>Genicular/adductor canal/popliteal sciatic- Rodney Gabriel, MD, Tony Machi, MD</p> <p>Fundamentals: Cadaver Lab Stations:</p> <ol style="list-style-type: none"> 1. Hip and Knee Injections (pelvis to foot) 2. Shoulder Injection and Elbow (lateral epicondylitis) (shoulder and elbow) 3. Sacroiliac Joint and Piriformis (torso with lumbar spine) 4. Occipital Nerve and Posterior Neck (torso with head) <p>Faculty to include: Bhavana Yalamuru, MD</p>

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<p>2:10-2:40 PM Opioid therapy and the immune system Presented by: Nathan Neufeld, MD</p>		<p>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>Break 3:00-3:30 PM Northern Sky Terrace</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 Emergency Medicine: Cadaver Lab Caudal epidural & 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>Fundamentals: Ultrasound Guided Acute and Chronic Pain Procedures Lab Live Model Scanning Stations:</p> <ol style="list-style-type: none"> 1. Saphenous, Genicular and Sciatic Nerve 2. Axillary and Suprascapular Nerve with Radial, Ulnar, and Median Nerve 3. Stellate Ganglion and Anterior Neck 4. Intercostal and Paravertebral Nerves <p>Lab Faculty to include: 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&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	Welcome Reception with Exhibits <i>**Not part of the CME Program, no CME credits available for this session</i>
6:30-7:30 PM	Vista Morada	APP Reception Sponsored by Applied VR <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	Registration Opens and Continental Breakfast <i>**Not part of the CME Program, no CME credits available for this session</i> Product Theater hosted by Salix Pharmaceuticals “Taking a Targeted Approach to Opioid Induced Constipation” Presented by Dr. Joseph Pergolizzi
8:00-9:00 AM	Kierland 3&4	Keynote Presentation Physician Leadership in Advancing Digital Health and Ending the Overdose Epidemic Jesse M. Ehrenfeld, MD, MPH
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

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<p>9:30-10:00 AM</p>	<p>Kierland 1&2</p>	<p>Break with Exhibits Product Theater Sponsored by Trice Medical “TENEX – A Novel Percutaneous Procedure with Long Term Level 1 Evidence to Treat Refractory Joint Disease.”</p> <p><i>Presented by: Sayed E. Wahezi, MD Program Director, Pain Medicine Fellowship at Montefiore Medical Center, Professor Physical Medicine and Rehabilitation, Professor of Anesthesiology, Professor of Orthopedic Surgery</i></p> <p><i>**Not part of the CME Program, no CME credits available for this session</i></p>
<p>Kierland 3&4 10:00-11:00 AM Robust Acute Pain Service Moderated by Salman Hirani, MD</p>		<p>Herberger 1,2 10:00-11:00 AM Basic Science Moderated by Farshad Ahadian, MD</p>
<p>10:00-10:30 AM 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>10:00-10:05 AM Introduction Presented by: Farshad Ahadian, 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>10:10-10:35 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>

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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	10:35-11:00 AM How Does Mindfulness Work to Facilitate Opioid Tapering and Opioid Risk Reduction? Presented by: Fadel Zeidan, MD
Kierland 3&4 11:00AM-12:00 PM Education Panel Moderated by Lynn Kohan, MD	Herberger 1,2 11:00AM-12:00 PM Neuromodulation Moderated by: Kevin Vorenkamp, MD
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 from the EMPOWER Study Presented by: Perez Luzmercy, BA	11:00-11:05 AM Introduction Presented by: Kevin Vorenkamp, MD
11:05-11:20 AM Creating a Pipeline from Med School from Residency through Fellowship Presented by: Anuj Aggarwal, MD	11:05-11:10 AM Securing the Future Through Technology Transfer Neal Lemon, MD
11:20-11:35 AM How to Foster a Physician -Scientist and Get Them Excited about PAIN Presented by: Jennifer Hah, MD	11:10-11:20 AM Non-Invasive Neuromodulation for Myofascial Pain Syndromes Presented by: Amitabh Gulati, MD
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	11:20-11:35 AM Peripheral Nerve Stimulation and Musculoskeletal Pain Presented by: Kevin Vorenkamp, MD

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	11:35-11:50 AM Restorative Neuromodulation for Chronic Low Back Pain Presented by: Christopher Gilligan, MD, MBA
11:50-12:00 PM Transition to Lunch	
12:00-1:00 PM – Trailblazer Ballroom Sponsored by PharmaCom <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.	
Kierland 3&4 1:00-2:00 PM Chronic pain, VR-The Use of Artificial Intelligence (Chat GPT) in Pain Moderated by Trent Emerick, MD, MBA	Herberger 1,2 1:00-2:00 PM Osteoarthritis/Rheumatoid Arthritis Moderated by: Lynn Kohan, MD
1:00-1:05 PM Introduction: What is Chat GPT in Medicine? Presented by: Trent Emerick, MD, MBA	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
1:05-1:20 PM Utilizing Chat GPT to Educate Patients about Procedures Presented by: Trent Emerick, MD, MBA	1:05-1:18 PM NICE Guidelines and Intra-articular Injections Presented by: Robert Hurley, MD, PhD
1:20-1:35 PM Integrating Chat GPT into Clinical Pain Medicine Pro/Con Pro - Farshad Ahadian, MD Con - Charles Argoff, MD	1:18-1:30 PM Clinical Outcomes in Cryoanalgesia Presented by: Lynn Kohan, MD

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

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<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&A Moderated by: Natacha Telusca, MD, MPH Panelists: Natalie Strand, MD and Gobi Paramanandam, MD</p>	<p>2:50-3:00 PM Q&A Lead by: Philip Mease, MD</p>	
<p>3:00-3:30 PM</p>	<p>Kierland 1&2</p>	<p>Break with Exhibits <i>**Not part of the CME Program, no CME credits available for this session</i> Product Theater hosted by AVERITAS PHARMA “With QUTENZA, sustained pain relief is measured in months. Not days.” Please see a live step-by-step QUTENZA application. Presenter: Theresa (Tracey) Mallick-Searle, MS, PMGT-BC, ANP-BC Nurse Practitioner – Pain Management, Stanford- Health Care Application demonstration by: Zohra Hussaini, MSN, FNP-BC, MBA, Family Practitioner – Pain Management, University of Kansas Health System</p>
<p>Kierland 3&4 3:30-4:30 PM Integrative Medicine Moderated by Beth Hogans, MD</p>		<p>Herberger 1,2 3:30-4:30 PM Neuromodulation Part 1 -Spinal Cord Stimulation and the Cochrane Review and Advances Moderated by: Timothy Deer, MD</p>
<p>3:30-3:35 PM Introduction Presented by: Steven Stanos, DO</p>	<p>3:30-3:35 PM Abstract Presentation: Vaporized Cannabis versus Placebo for Acute Migraine: A Randomized Controlled Trial Presented by: Nathaniel Schuster, MD</p>	

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<p>3:35-3:55 PM Expansion of Pain Care Beyond the Opioid Crisis Presented by: Steven Stanos, DO</p>	<p>3:35 PM Introduction - The Current State of Neurostimulation Presented by: Timothy Deer, MD</p>
<p>3:55-4:15 PM Whole Person Health and Value-added to the Patient in Pain Presented by: Rosanne Sheinberg, MD, ABoIM</p>	<p>3:35-3:55 PM Spinal Cord Stimulation for Non Surgical Low Back Pain Presented by: Natalie Strand, MD</p>
<p>4:15-4:30 PM Panel Q&A Moderated by: Beth Hogans, MD Panelists: Rosanne Sheinberg, MD, ABoIM and Steven Stanos, DO</p>	<p>3:55-4:15 PM Issues with Spinal Cord Stimulation studies Presented by: Jason Pope, MD</p>
<p>Kierland 3&4 4:30-5:30 PM Accessible Whole Person Chronic Pain Care: Integrative Innovations across Veteran, Civilian, Urban and Rural Care Settings Moderated by: Traci Speed, MD, PhD and Beth Darnall, PhD</p>	<p>Herberger 1,2 4:30-5:30 PM Neuromodulation Part 2 - Closed Loop, Waveforms, Outcome Measurements Moderated by: Amitabh Gulati, MD</p>
<p>4:30-4:35 PM Introduction Presented by: Beth Darnall, PhD</p>	<p>4:15-4:30 PM AAPM response to the Cochrane Review and future directions for SCS Presented by: Zack McCormick, MD</p>
<p>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</p>	<p>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</p>
	<p>4:35-4:55 PM DRG in Advance Waveform Decision Making for the Future of SCS Presented by: Timothy Deer, MD</p>

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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	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” <i>**Not part of the CME Program, no CME credits available for this session</i>
6:30-7:30 PM	Merriam/Stargazers Terrace	Innovation Networking Reception Sponsored by Saluda Medical *Invitation Only <i>**Not part of the CME Program, no CME credits available for this session</i>
6:30-8:00 PM	Marshall’s Outpost Pavilion	Fellow and Resident Reception, Meet & Greet, Awards “Back to the Residents & Fellows” <i>**Not part of the CME Program, no CME credits available for this session</i>

Saturday, March 9, 2024

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

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<p>9:30-10:00 AM Interventional Solutions for Hip and SI Joint Presented by: Jennifer K. Dais, MD</p>	<p>9:30-9:45 AM Ketamine Presented by: Nathan Neufeld, MD</p>
	<p>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</p>
<p>10:00-10:30 AM</p>	<p>Break with Exhibits sponsored by Scilex Holding Company <i>**Not part of the CME Program, no CME credits available for this session</i> Product Theater hosted by AVERITAS PHARMA “With QUTENZA, sustained pain relief is measured in months. Not days.” Please see a live step-by-step QUTENZA application” Steven P. Stanos Jr., DO Pain Management Specialist Seattle, Washington Zohra Hussaini, ARNP, MSN, FNP-BC, MBA Family Nurse Practitioner, Pain Management University of Kansas Health System</p>
<p>Kierland 3&4 10:30-11:30 AM Vertebrogenic Pain Moderated by: Zack McCormick, MD</p>	
<p>10:30-10:35 AM Introduction Presented by Zack McCormick, MD</p>	<p>Herberger 1,2 10:30-11:30 AM Neuroimaging and the Digital Age for Chronic Pain Medicine Moderated by: Charles Argoff, MD 10:30 AM Introduction Presented by Sean Mackey, MD, PhD</p>

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

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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	
12:15-12:30 PM Panel: Q&A with Faculty		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)
12:30-1:30 PM – Trailblazer ABCDE – Sponsored by Collegium “Responsible Pain Management With Opioid Therapy for Patients With Severe and Persistent Pain” Presented by Steven Stanos, DO, Pain Management Specialist, Seattle, WA <i>**Not part of the CME Program, no CME credits available for this session</i>		
Kierland 3&4 1:30-3:30 PM AAPM + MIT Hacking Medicine Innovation Challenge - Pitch Event		
2024 Innovation Challenge Judges		

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

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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	Marshall's Outpost Pavilion	40th Anniversary Celebration - AAPM Meet & Greet <i>**Not part of the CME Program, no CME credits available for this session</i>	

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Sunday, March 10, 2024

<p>7:30-8:00AM</p>	<p>Northern Sky Terrace Weather Back Up Trailblazer DE</p>	<p>Continental Breakfast <i>**Not part of the CME Program, no CME credits available for this session</i></p>	
<p>Attendees Choice! Herberger 1,2</p>		<p>Attendees Choice! Herberger 3</p>	
<p>8:00-9:00 AM Acute Surgical Pain Presented by: Kellie Jaremko, MD, PhD and Nabil Elkassabany MD</p>		<p>8:00-9:00 AM Neuromodulation Education in Pain Fellowship: Pushing for Better Presented by: Shravani Durbhakula, MD, MPH, MBA</p>	
<p>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</p>		<p>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</p>	
<p>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</p>		<p>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. Presented by: Kristen Slater, PsyD</p>	
<p>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</p>			

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