

# The 6th Annual Meeting of the American Society of Pain and Neuroscience: “Building Bridges to Better Healthcare”

Fontainebleau, Miami Beach, Florida

July 10-July 14, 2024

Scientific Planning Committee: Kathleen W. Meacham, MD, PhD (Chair), Christopher M. Lam, MD, Natalie H. Strand, MD

Wednesday, July 10, 2024			
Time (EDT)	Location	Topic	Faculty
12:00-5:00P	Luster Lobby	Early Check-In for ASPN Lab attendees	
12:00-7:00P	Fleur de Lis	Intracept Certification Course	Invitation Only

Thursday, July 11, 2024			
Time (EDT)	Location	Topic	Faculty
8:00A-5:00P	Fontaine Ballroom	Fellow’s Lab	
7:00A	Luster Lobby	Registration and check-in for Lab	
7:15-8:00A	Splash 9-10	Breakfast Symposium <i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i>	
8:00A-5:00P	Sparkle Ballroom	Exhibitor Set up	
8:00A-12:00P	Fontaine/Fleur de Lis	Lab: Master’s Class (Practicing Physicians Only) Round Tables (Open to all clinicians) Ultrasound Lab (Open to all clinicians)  <i>See lab agenda for rotation and session details</i>	Lab Introduction: Steven M. Falowski, MD, and Jason E. Pope, MD



American Society of Pain and Neuroscience (ASPAN) Presents PAIN, 2024  
 Building Bridges to Better Healthcare  
 Chairman and Co-Founder: Timothy R. Deer, MD  
 Vice Chairman and Co-Founder: Dawood Sayed, MD  
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11:00A-12:00P	Splash 9-10	<b>Fellow's Lunch Symposium Diamond Sponsor          SPR Therapeutics</b>  <i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i>	
12:00-1:00P	Ocean Promenade East	<b>Master's Class Lunch Symposium Platinum Sponsor Biotronik Neuro</b>  <i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i>	
1:00-1:10P		<b>Transition to Lab</b>	
1:10-4:00P	Fontaine/ Fleur de Lis	<b>Lab:</b> Master's Class (Practicing Physicians Only) Round Tables (Open to all clinicians) Ultrasound Lab (Open to all clinicians)  <i>See lab agenda for rotation and session details</i>	

<p>1:10-4:00P</p>	<p>Splash 11-12</p>	<p><b>Marketing and Growing Your Practice Break Out Session</b>  <b>Paul Lynch, MD - Course Director</b></p> <ul style="list-style-type: none"> <li>● 1:10-1:40P Successful Marketing of your Practice in 2024: B2B, B2C and B2P Approaches <b>Presented by Paul Lynch, MD</b></li> <li>● 1:40-2:10P Venture Capital Investment into the Future of Pain: The Good, the Bad, the Ugly <b>Presented by Tory L. McJunkin, MD, Yeshvant A. Navalgund, MD</b></li> <li>● 2:10-2:30P Practice Management, Personnel, Contracts and Vendor Relationships <b>Presented by Jeffrey Peterson, Tina Rivenbark, and David D. Daggett, Esq.</b></li> <li>● 2:30-3:00P ASC Development vs In Office Suites – Future Trends <b>Presented by Jay M. Shah, MD, FAAPMR, Ryan Budwany, MD, MBA, MPH, Christopher Robinson, MD, PhD, Matt L. Leavitt, DO</b></li> <li>● 3:00-3:30P Single Physician or Group Practices: Pros &amp; Cons of Practice Design for Future Valuation <b>Presented by John V. Prunskis, MD, FIPP,, Jason C. Rosenberg, MD, Ryan Budwany, MD, MBA, MPH</b></li> <li>● 3:30-4:00P Incorporating Personal Injury in Your Practice <b>Presented by Jack Diep, MD, Selaiman Noori, MD, Didier Demesmin, MD, MBA</b></li> </ul>	
<p>4:00-5:00P</p>	<p>Splash 11-12</p>	<p><b>Entrepreneur Panel</b>                  **Non CME</p>	<p><b>Moderated by Krishnan Chakravarthy, MD, PhD and E. Jeffrey Donner, MD</b>  <b>Panelists:</b> Amol Soin, MD, Erich W. Wolf II, MD, PhD, Rishin Patel, MD, Matt L. Leavitt, DO, Ricardo Vallejo, MD, PhD, Anjum Bux, MD, Michael A. Fishman, MD, MBA</p>



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5:00-6:00P	Ocean Lawn <i>*Weather Back Up</i>	<b>Young Innovators Reception Sponsored by Diamond Sponsor Medtronic.</b> <b>Welcome Address: Nasir Khatri, MD, and Ryan Budwany, MD, MBA, MPH</b>  <i>*Not part of the CME program</i>	
6:00-7:30P	Splash 9-10	<b>Poster to Podium Program Presentations</b> <b>Meet &amp; Greet</b>  <i>*Not part of the CME program</i>	<b>Moderated by Erika Petersen, MD</b>  <b>All Attendees Welcome</b>

Friday, July 12, 2024			
Time (EDT)	Location	Topic	Speakers
6:30-7:00A	Luster Lobby	ESSETRICS <sup>®</sup> Exercise Class Sponsored By Mainstay Medical	Alane B. Costanzo, MD
7:00A	Luster Lobby	Registration Open	
7:30-8:15A	Splash 9/10	<b>Breakfast Symposium Sponsored by Gold Sponsor:</b> <b>Nalu Medical</b> <i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i>	
Day 1 Theme Building Bridges in Minimally Invasive Spine			
Block 1: The Multidisciplinary Approach to Minimally Invasive Spine			
Session Moderators: Jonathan Carlson, MD, and Michael J. Dorsi, MD			
8:15-8:30A	Fontaine	<b>Welcome to ASPN PAIN 2024:</b> <b>Building Bridges to Better Healthcare</b>	Timothy R. Deer, MD and Dawood Sayed, MD



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8:30-8:55A	Fontaine	<b>The Journey from Concept to Market:</b> The Road to Medical Device Approval and the Role of the FDA: Introduction to the Total Life Cycle Advisory Program (TAP)	<b>Moderated by Dawood Sayed, MD, and Timothy R. Deer, MD</b> <b>Panelists:</b> April Marrone, PhD, Erika A. Petersen, MD, Kasra Amirdelfan, MD, Leonardo Kapural, MD, PhD, Pierce D. Nunley, MD, Kevin Foley, MD, Christopher J. Gilligan, MD
8:55-9:20A	Fontaine	<b>Interspinous Decompression and Fusion Implants:</b> Poised for Failure or Success in the Spine Care Algorithm?	<b>Moderated by Pankaj Mehta, MD, and Michael J. Dorsi, MD</b> <b>Panelists:</b> Angel Boev, MD, FACS, Youssef Josephson, DO, Larry T. Khoo, MD, Ajay Antony, MD, John Stevenson, MD, Louis J. Raso, MD, Soriaya Motivala, MD
9:20-9:35A	Fontaine	<b>Decompression of the Lumbar Spine:</b> Open, Endoscopic, and Percutaneous Approaches.	<b>Moderated by Kasra Amirdelfan, MD, and Jay M. Shah, MD, FAAPMR</b> <b>Panelists:</b> Gurtej Singh, MD, Michael J. Dorsi, MD, Soriaya Motivala, MD, Didier Demesmin, MD, MBA, Jad Khalil, MD, Jeffrey S. Henn, MD, Jacqueline Weisbein, DO
9:35-9:40A	Fontaine	<b>Introduction of the Best Research and Abstracts of ASPN 2024</b>	<b>Kasra Amirdelfan, MD</b>

**Block 2: Regenerative Therapeutics: The New Frontier.**

Abstract Presenters Introduced by Session Moderators: Sara Nashi, MD, and Harry P. Sukumaran, MD

9:40-9:47A	Fontaine	<b>ASPN Top Abstract Presentation 1:</b>	
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9:48-9:55A	Fontaine	<b>ASPAN Top Abstract Presentation 2:</b>	
9:55-10:10A	Fontaine	<b>The Current and Future State of Intradiscal Therapies for Lumbar Degenerative Disease:</b> Biologic, Non-Biologic and Molecular Options.	<b>Moderated by Timothy R. Deer, MD, and Dawood Sayed, MD</b> <b>Panelists:</b> Annu Navani, MD, Paul Verrills, MD, Corey W. Hunter, MD, FIPP, Douglas P. Beall, MD, Sudhir Diwan, MD, Nomen Azeem, MD, FAAPMR, Jonathan Carlson, MD
10:10-10:25A	Fontaine	<b>The Current and Future State of Musculoskeletal Regenerative Therapeutics:</b> PRP and Beyond	<b>Moderated by Corey W. Hunter, MD, FIPP, and Jessica Jameson MD, FASA</b> <b>Panelists:</b> Timothy T. Davis, MD, Sudhir Diwan, MD, Alane B. Costanzo, MD, Navdeep S. Jassal, MD, Nomen Azeem, MD, FAAPMR, Dawn A. Sparks, DO
10:25-10:45A	Sparkle Ballroom	<b>Break with Exhibits and Abstract Poster Viewing Sponsored By Diamond Sponsor Scilex Holding Company served at Booth #157</b> <b>Product Theatre Sponsored by Aurora Spine</b>  <i>*Not part of the CME program</i>	
<b>Block 3: New Frontiers in SI Joint Treatment</b> Abstract Presenters Introduced by Session Moderators: David W. Lee, MD, and Kiran V. Patel, MD			
10:45-10:52A	Fontaine	<b>ASPAN Top Abstract Presentation 3:</b>	



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10:53-11:00A	Fontaine	<b>ASPN Top Abstract Presentation 4:</b>	
11:00-11:15A	Fontaine	<b>Developing the Treatment Algorithm for SI Joint Disease</b>	<b>Moderated by Johnathan Goree, MD, and Chau M. Vu, MD</b> <b>Panelists:</b> Denis G. Patterson, DO, Jeffrey S. Henn, MD, Chris Bovinet, DO, FAAPMR, Peter G. Pryzbylkowski, MD, Helen M. Blake, MD, MBA, Ashley Bailey-Classen, DO
11:15-11:30A	Fontaine	<b>A Debate on the Site of Service for SI Fusion:</b> Hospital vs ASC vs Office.	<b>Moderated by Jacqueline Weisbein, DO, and Shravani Durbhakula, MD, MPH, MBA</b> <b>Panelists:</b> Chris Bovinet, DO, FAAPMR, Pankaj Mehta, MD, Brian K. Rich, MD, Nomen Azeem, MD, FAAPMR, Angel Boev, MD, FACS, Louis J. Raso, MD
11:30-11:50A	Fontaine	<b>Multiple Approaches and Devices for SI Joint Fusion:</b> Which Surgical Techniques and Implants Does the Evidence Support?	<b>Moderated by Robert D. Heros, MD, and Tammy Dann, DO, MPH</b> <b>Panelists:</b> Peter G. Pryzbylkowski, MD, Jad Khalil, MD, Aaron K. Calodney, MD, FASA, FIPP, ABIPP, Christopher K. Kim, MD, Iden Cowan, MD, Denis G. Patterson, DO, David W. Lee, MD
11:50A-12:00P	<b>Transition to Lunch</b>		



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12:00-1:00P	<p><b>Lunch Symposium Platinum Sponsor Boston Scientific</b>  <b>Room Name: Splash 9/10</b></p> <p><b>Transforming the Future of Interventional Pain</b>  <b><i>Broadening Your Treatment Algorithm</i></b></p> <p><i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i></p>
12:00-1:00P	<p><b>Lunch Symposium Platinum Sponsor Vertos Medical</b>  <b>Room Name: Ocean Promenade East</b></p> <p><b>A New Era for IPM: Elevate Your Practice &amp; Your Community through <i>mild</i></b>  <b>Presented by David Dickerson, MD, Peter Pryzbylkowski, MD, Rebecca Sanders, MD, and Zohra Hussaini, MSN, FNP-BC, MBA</b></p> <p><i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i></p>
12:00-1:00P	<p><b>Lunch Symposium Platinum Sponsor Abbott</b>  <b>Room Name: Splash 11/12</b></p> <p><i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i></p>
12:00-1:00P	<p><b>APP Lunch Sponsored by Silver Sponsor Mainstay Medical</b>  <b>Room Name: Fleur de Lis</b></p> <p><i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i></p>
1:00-1:10P	<p><b>Transition to Session</b></p>
<p><b>General Session</b>  <b>Room Name: Fontaine Ballroom</b>  <b>Block 4: Masters of Industry</b></p>	<p><b>APP Break Out Course</b>  <b>Room Name: Fleur de Lis</b>  <b>Course Directors: Ashley G. Comer, APRN, NP-C, Zohra Hussaini MSN, FNP-BC, MBA, Brittney Misercola, MSN, FNP-C, and Casey Grillo, FNP-C</b></p>



**Agenda**

<p>1:10-1:30P</p>	<p><b>Masters of Industry:</b>  <b>Improving Patient Access in Neuromodulation: The Industry Perspective</b>  <b>Moderated by Timothy R. Deer, MD, and Dawood Sayed, MD</b>          Abbott, Todd Langevin, President (BIOTRONIK Neuro), Medtronic, Nevro Corp, Saluda Medical, Jason Hannon, CEO (Mainstay Medical)</p> <p><i>*Not part of the CME program</i></p>	<p><b>Differentiating Spinal Pain:</b>          Anterior Column Generators &amp; Posterior Column Generators</p> <p><b>Brittney Misercola, MSN, FNP-C</b>  <b>Ashley G. Comer, APRN, NP-C</b></p>
<p>1:30-1:50P</p>	<p><b>Masters of Industry</b>  <b>Explosive Innovation and Limited Patient Access in Minimally Invasive Spine: Fixing a Broken System</b>  <b>Moderated by Timothy R. Deer, MD, and Dawood Sayed, MD</b>          Basic Home Infusion, Aure Bruneau, CEO (Curonix), Relievent, Scilex Holding Company, Maria Bennett, President, CEO &amp; Founder (SPR Therapeutics), Tom West, CEO (Nalu Medical), Eric Wichems, CEO (Vertos Medical)</p> <p><i>*Not part of the CME program</i></p>	<p><b>Continued.....</b>  <b>Differentiating Spinal Pain:</b>          Anterior Column Generators &amp; Posterior Column Generators</p> <p><b>Brittney Misercola, MSN, FNP-C</b>  <b>Ashley G. Comer, APRN, NP-C</b></p>
<p>1:50-2:20P</p>	<p>Sparkle Ballroom</p> <p>Break with Exhibits and Abstract Poster Viewing:  <b>Product Theater Sponsored by Silver Sponsor Mainstay Medical</b>  <b>Product Theater Sponsored by Silver Sponsor Averitas Pharma</b>  <b>APP Meet Up at the ASPN Membership Booth</b></p> <p><i>*Not part of the CME program</i></p>	
<p><b>Block 5: Improving Outcomes in Spine and Pain Treatment</b>  <b>Room Name: Fontaine</b>  <b>Session Moderators: Brian K. Rich, MD, and Alane B. Costanzo, MD</b></p>		<p><b>APP Break Out Course</b></p>

<p>2:20-2:40P</p>	<p><b>Basivertebral Nerve Ablation:</b> Lessons Learned and How to Improve Outcomes.  <b>Moderated by Sandy Christiansen, MD, and Kasra Amirdelfan, MD</b>  <b>Panelists:</b> Brian Durkin, DO, Anthony Giuffrida, MD, Kiran V. Patel, MD, Ramana Naidu, MD, Douglas P. Beall, MD, Sara Nashi, MD</p>	<p><b>Other Back Pain Generators: Multifidus</b>   <b>Kristen Klein, APRN</b>  <b>Meredith Langhorst, MD</b></p>
<p>2:40-3:00P</p>	<p><b>The Next Generation Vertebral Augmentation Systems:</b> Moving Beyond Balloons.  <b>Moderated by Gurtej Singh, MD, and Anthony Giuffrida, MD</b>  <b>Panelists:</b> Alexander Escobar, MD, Jacqueline Weisbein, DO, Sayed Emal Wahezi, MD, Derron K. Wilson, MD, FIPP, Melissa Murphy, MD, MPH, John R. Orphanos, MD, FAANS, Matthew T. Ranson, MD</p>	<p><b>Navigating Neuromodulation: SCS &amp; PNS</b>  <b>Moderator: Casey Grillo, FNP-C</b>  <b>Panel:</b> David W. Lee, MD, Victoria Flower APRN</p>
<p>3:00-3:20P</p>	<p><b>Percutaneous Interlaminar Decompression:</b> How Do We Improve the Procedure?  <b>Moderated by Annu Navani, MD, and David Reece, DO</b>  <b>Panelists:</b> Ali Nairizi, MD, Morad Nasser, MD, Matthew T. Ranson, MD, Daniel Pak, MD, Navdeep S. Jassal, MD, Rany T. Abdallah, MD, PhD, MBA</p>	<p><b>Continued....</b>  <b>Navigating Neuromodulation: SCS &amp; PNS</b>  <b>Moderator: Casey Grillo, FNP-C</b>  <b>Panel:</b> David W. Lee, MD, Victoria Flower, APRN</p>
<p>3:20-3:40P</p>	<p><b>Tools to Improve Accuracy in Minimally Invasive Spinal Procedures:</b> CT Mapping, Navigation, and Augmented Reality.  <b>Moderated by John S. Michels, MD, and Rebecca Sanders, MD</b>  <b>Panelists:</b> Michael F. Esposito, MD, Steven M. Falowski, MD, George M Galvan, MD, FAANS, Ahmed Raslan, MD, John R. Orphanos, MD, FAANS, Dan T. D. Nguyen, MD, Chris Bovinet, DO, FAAPMR</p>	<p><b>Strategizing when to use Minimally Invasive Spinal Treatments</b>   <b>Brittney Misercola, MSN, FNP-C</b>  <b>Morteza Rabii, DNP, APRN, AGPCNP-BCC</b></p>

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3:40-4:00P	<p><b>Advanced Modalities for Diagnosis Of Painful Lumbar Disease:</b>          MR Spectroscopy, Artificial Intelligence, and Chemical Biomarkers  <b>Moderated by John S. Michels, MD, and Melissa Murphy, MD, MPH</b>  <b>Panelists:</b> Douglas P. Beall, MD, Timothy T. Davis, MD, Dan T. D. Nguyen, MD, Soriaya Motivala, MD, Salim M. Hayek, MD, PhD, Pierce D. Nunley, MD</p>	
4:00-4:20P	<p><b>The Process of Aging and Its Modern Remedies:</b> Is There a Fountain of Youth?  <b>Moderated by Paul Verrills, MD, and Myrdalis Diaz-Ramirez, MD</b>  <b>Panelists:</b> Dawn A. Sparks, DO, Alane B. Costanzo, MD, Jason C. Rosenberg, MD, Mark N. Malinowski, DO, FIPP, Tolga Suvar, MD, Ramana Naidu, MD, Kathleen Meacham, MD, PhD</p>	<p><b>Intro to Scholarly Writing:</b>          Case studies, posters and abstract  <b>Morteza Rabii, DNP, APRN, AGPCNP-BCC</b></p>
4:20-4:40P	<p><b>Young Innovators</b>  <b>Moderated by Ryan Budwany, MD, MBA, MPH, and Nasir Khatri, MD</b>  <b>Panelists:</b> Morad Nasser, MD, Yussr Ibrahim, MD, Ammar Mahmoud, MD, Tyler Phillips, MD, Caitlin D. Tourjé, MD, Alexandra Moreira, MD, Evan Peskin, MD, MBA</p>	<p><b>From Clinical Expert to Influential Leader:</b>          Building your Professional Portfolio  <b>Moderated by: Zohra Hussaini MSN, FNP-BC, MBA</b>  <b>Panel:</b> Ashley G. Comer, APRN, NP-C, Brittney Misercola, MSN, FNP-C          Casey Grillo, FNP-C</p>
4:40-4:50P	<p><b>Closing Remarks: The Art of Treating &amp; Enduring Pain and Suffering</b>  <b>RACE PROMO: ASPN 5K Charity Race</b>  <b>Erika Petersen, MD</b>  <i>*Not part of the CME program</i></p>	<p><b>Surveys and End</b></p>
4:50-5:00P	<p><b>Change for Race and Transition to Sea Green Lawn</b></p>	



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5:00-5:30P	Sea Green Lawn	<b>ASPAN Annual 5k Walk and Run for Charity</b>  <b>Beneficiaries:</b> <b>Ironman Foundation. (IRONAID)</b> <b>St. Jude Nashville</b>  <b>Race Shirts sponsored by Kelly Castleberry of Morgan Stanley/Graystone</b> <i>*Not part of the CME program</i>
5:30-6:00P	Sea Green Lawn	<b>Post-Race Reception Sponsored by Silver Sponsor Mainstay Medical and Diamond Sponsor Basic Home Infusion</b>  <i>*Not part of the CME program</i>
6:30-7:30P		<b>Faculty Reception and Awards Symposium Sponsored by Platinum Sponsor Abbott</b>  <b>Welcome - Timothy R. Deer, MD, Dawood Sayed, MD, Jason E. Pope, MD and Erika A. Petersen, MD</b> <b>6:30-6:45P Check In</b> <b>6:45-7:00P Abbott Presentation</b> <b>7:00-7:30 ASPAN AWARD PRESENTATIONS</b> <i>*Not part of the CME program</i>

Saturday, July 13, 2024		
Time (EDT)	Location	
6:00-6:30A	Luster Lobby	<b>ESSETRICS<sup>®</sup> Exercise Class Sponsored By Mainstay Medical</b>  <b>Alane B. Costanzo, MD</b>
7:00A	Registration Open in Luster Foyer	
Time (EDT)	General Session:	
	<b>Room Name: Fontaine Ballroom</b> <b>Day Theme: Building Bridges in Neuromodulation</b>	



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7:00-7:45A	<b>Breakfast</b> <b>Room: Splash 9/10</b>  <i>*Not part of the CME program</i>	
7:45-8:00A	<b>Welcome to Day 2</b> - Presidential Address in Fontaine Ballroom	<b>Presented by: Erika A. Petersen, MD</b>
<b>Block 6: Neuromodulation - Spinal Cord Stimulation</b> <b>Room Name: Fontaine Ballroom</b> <b>Abstract Presenters Introduced by Session Moderators: Mark N. Malinowski, DO, FIPP and Gladstone C. McDowell II, MD</b>		
8:00-8:15A	<b>The Ever-Evolving Paradigms in Neuromodulation:</b> The Latest Evidence in Spinal Cord Stimulation	<b>Moderated by Kasra Amirdelfan, MD, and Erika A. Petersen, MD</b> <b>Panelists:</b> Adnan Al-Kaisy, MB ChB, FRCA, FPMRCA, FIPP, Vwaire Orhurhu, MD, MPH, Alexander Escobar, MD, David Dickerson, MD, Mehul J. Desai, MD, MPH, Caitlin D. Tourjé, MD
8:15-8:30A	<b>Neuromodulation Beyond the Dorsal Column:</b> DRG, Multifidus, and the Brain - Real World Experience and Future Direction	<b>Moderated by Erika A. Petersen, MD and Monika Y. Patel, MD</b> <b>Panelists:</b> Nandan Lad, MD, PhD, Kenneth B. Chapman, MD, Eric G. Cornidez, MD, MBA, Ryan D'Souza, MD, Robert Levy, MD, PhD
8:30-8:45A	<b>Neuromodulation for Limb Ischemia and Vascular Disease:</b>  The Next Frontiers & Indications	<b>Moderated by Jason E. Pope, MD, and Steven M. Falowski, MD</b> <b>Panelists:</b> Kenneth B. Chapman, MD, David Dickerson, MD, Priyanka Ghosh, MD, Ashley Bailey-Classen, DO, Marshall Bedder, MD, FRCPC, Alexios Carayannopoulos, DO, MPH, DABPMR
8:45-8:52A	<b>ASPAN Top Abstract Presentation 5:</b>	
8:53-9:00A	<b>ASPAN Top Abstract Presentation 6:</b>	
9:01-9:08A	<b>ASPAN Top Abstract Presentation 7:</b>	

9:09-9:25A	<p><b>Defining the Treatment Algorithm for the Patient with Diabetic Neuropathy:</b></p> <p>A Review of the SWEET Guidelines</p>	<p><b>Moderated by Dawood Sayed, MD, and Kasra Amirdelfan, MD</b></p> <p><b>Panelists:</b> Leonardo Kapural, MD, PhD, Newaj Abdullah, MD, Ryan D'Souza, MD, Christopher M. Lam, MD, Adnan Al-Kaisy, MB ChB, FRCA, FPMRCA, FIPP, Christopher J. Gilligan, MD</p>
9:25-9:40A	<p><b>The Role of Neuromodulation in Spinal Cord Injury</b></p> <p>The Quest to Redefine Neuronal Injury Therapeutic Algorithms</p>	<p><b>Moderated by Erika A. Petersen, MD, and Alexios Carayannopoulos, DO, MPH, DABPMR</b></p> <p><b>Panelists:</b> Ali Nairizi, MD, Ali Valimahomed, MD, FAAPMR, Konstantin Slavin, MD, FAANS, Jason C. Rosenberg, MD, Rebecca Sanders, MD, Ahmed Raslan, MD, Greg Moore, MD</p>
9:40-10:00A	<p><b>Break with Exhibits and Abstract Poster Viewing</b></p> <p><b>Room Name: Sparkle Ballroom</b></p> <p><b>Product Theater Sponsored by AcuityMD</b></p> <p><b>Room Name: Ocean Promenade West</b></p> <p><i>*Not part of the CME program</i></p>	
<p><b>Block 7: ASPAN Executive Collaboration Committee: Building Bridges to the Future</b></p> <p><b>Moderated by Timothy Deer, MD, Dawood Sayed, MD, and Kasra Amirdelfan, MD</b></p> <p><b>Room Name: Fontaine Ballroom</b></p>		
10:00-10:05A	<p><b>ASPAN Collaboration Panel Introduction and Format</b></p>	<p><b>Dawood Sayed, MD</b></p>
10:05-10:12A	<p><b>ASPAN Top Abstract Presentation 8:</b></p>	<p><b>Panelists:</b> Peter S. Staats, MD, MBA, Helen M. Blake, MD, MBA, Sandy Christiansen, MD, Adnan Al-Kaisy, MB ChB, FRCA, FPMRCA, FIPP, Soriaya Motivala, MD</p>
10:15-10:22A	<p><b>ASPAN Top Abstract Presentation 9:</b></p>	<p><b>Panelists:</b> Peter S. Staats, MD, MBA, Helen M. Blake, MD, MBA, Sandy Christiansen, MD, Adnan Al-Kaisy, MB ChB, FRCA, FPMRCA, FIPP, Soriaya Motivala, MD</p>
10:25-10:32A	<p><b>ASPAN Top Abstract Presentation 10:</b></p>	<p><b>Panelists:</b> Peter S. Staats, MD, MBA, Helen M. Blake, MD, MBA, Sandy Christiansen, MD, Adnan Al-Kaisy, MB ChB, FRCA, FPMRCA, FIPP, Soriaya Motivala, MD</p>



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10:35-10:55A	<b>Challenges in Fellowship Training</b>  The Efforts & Endeavors to Identify and Fill the Educational Gaps in Our Space for Better Care	<b>Moderated by Timothy R. Deer, MD, and Scott G. Pritzlaff, MD, CIPS, FIPP</b> <b>Panelists:</b> Timothy R. Lubenow, MD, Harry P. Sukumaran, MD, Michael E. Schatman, PhD, Reda M. Tolba, MD, Stephanie Vanterpool, MD, MBA, Sayed Emal Wahezi, MD
10:55-11:00A	<b>ISPN: Update</b>	<b>Presented by Reda M. Tolba, MD</b>
<b>Block 8: Peripheral Nerve Stimulation</b> <b>Room Name: Fontaine Ballroom</b> <b>Session Moderators: Mayank Gupta, MD, and Patrick Buchanan, MD</b>		
11:00-11:05A	<b>Abstract Awards</b>	<b>Presented by Kasra Amirdelfan, MD, and Erika A. Petersen, MD</b>
11:05-11:20A	<b>Peripheral Nerve Stimulation: Exploring the Best Targets and Indications</b>	<b>Moderated by Ali Valimahomed, MD, FAAPMR, and Amitabh Gulati, MD</b> <b>Panelists:</b> Mitchell Engle, MD, PhD, Christopher J. Winfree, MD, Konstantin Slavin, MD, FAANS, David Reece, DO, Rebecca Sanders, MD, Jennifer Hah, MD
11:20-11:35A	<b>Taking Peripheral Nerve Stimulation to the Second Generation: Novel Designs, Technology, and Waveforms</b>	<b>Moderated by Johnathan Goree, MD, and Sean Li, MD</b> <b>Panelists:</b> Mayank Gupta, MD, Maged Guirguis, MD, Karina Gritsenko, MD, Warren Lee Grace III, MD, Christopher A. Gilmore, MD, Priyanka Ghosh, MD, Alaa Abd-Elseyed, MD, MPH

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11:35-11:50A	<p><b>The Evidence for Peripheral Nerve Stimulation:</b> Expert Recommendations to Address the Gaps</p> <p>A Look at the Existing Evidence and its Respective Gaps to Be Addressed in the Next 5 Years.</p>	<p><b>Moderated by Lisa R. Kroopf, MD, and Salim M. Hayek, MD, PhD</b></p> <p><b>Panelists:</b> Mitchell Engle, MD, PhD, Hemant Kalia, MD, MPH, Meredith Langhorst, MD, John A. Hatheway, MD, Robert D. Heros, MD, Alaa Abd-Elseyed, MD, MPH, Scott G. Pritzlaff, MD, CIPS, FIPP</p>
11:50A-12:00P	<b>Transition to Lunch</b>	
12:00-1:00P	<p><b>Lunch Symposium Platinum Sponsor Biotronik Neuro</b>  <b>Room Name: Ocean Promenade East</b></p> <p><i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i></p>	
12:00-1:00P	<p><b>Lunch Symposium Diamond Sponsor Medtronic</b>  <b>Room Name: Spash 9/10</b></p> <p><i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i></p>	
12:00-1:00P	<p><b>Lunch Symposium Diamond Sponsor Scilex Holding Company</b>  <b>Room Name: Splash 11/12</b></p> <p><i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i></p>	
1:00-1:10P	<b>Transition Back to Sessions</b>	
<p><b>General Session:</b>  <b>Room Name: Fontaine Ballroom</b>  <b>Day Theme: Neuromodulation</b>  <b>Block 9: The Science Hour</b>                  Moderated by Lawrence Poree, MD, MPD, PhD, and Kathleen Meacham, MD, PhD</p>		<p><b>Business and Law in Medicine Break Out Session:</b>  <b>Room Name: Fleur de Lis</b>  <b>Course Director: Annu Navani, MD, Rehan Waheed, DO, JD, and Anil K. Sharma, MD</b>                  1:10-5:00P</p>



<p>1:10-2:00P</p>	<p><b>Topics in Neuroscience: The Science Hour</b></p> <p><b>Moderated by Lawrence Poree, MD, MPD, PhD, and Kathleen Meacham, MD, PhD</b>  <b>Panelists:</b> Nick Knezevic, MD, and Prasad Shirvalkar, MD, PhD</p> <p><b>The Science behind Biomarker-Driven, Closed-Loop Pain Interventions</b></p> <p>Recent advancements in neuromodulation research have identified clinically-actionable electrical biomarkers for both chronic pain and its improved treatment efficacy using closed-loop systems. Our Science Hour panel will present some of the key neuroscientific, technological, and clinical underpinnings of these advancements, providing a fundamental groundwork for applying them to additional and next-generation therapies for effective, durable management of multiple chronic pain conditions.</p>	<p>1:10-1:30P</p> <p><b>Mergers and Acquisitions: Private Equity Involvement in the Pain Space</b>  <b>Moderated by Sanjay Bakshi, MD, MBA</b>  <b>Panelists:</b> Anil K. Sharma, MD, Annu Navani, MD, Paul Lynch, MD, Sean Li, MD, J. Kyle Brown, BS, MBA</p> <hr/> <p>1:30-1:50P</p> <p><b>Supergroups and the Future of Healthcare in the Corporate World</b>  <b>Moderated by Stanley Golovac, MD</b>  <b>Panelists:</b> John V. Prunskis, MD, FIPP, Paul Lynch, MD, Ramana Naidu, MD, Morad Nasser, MD, Sanjay Bakshi, MD, MBA, J. Kyle Brown, BS, MBA</p>
<p>2:00-2:07P</p>	<p><b>ASPN Top Abstract Presentation 11:</b></p>	<p>1:50-2:10P</p> <p><b>Medical Malpractice with the Emerging World of MIS</b>  <b>Moderated by Rehan Waheed, DO, JD</b>  <b>Panelists:</b> David D. Daggett, Esq., Larry T. Khoo, MD, Christopher K. Kim, MD, Jonathan Hyde, MD, Ioannis Skaribas, MD, DABA, FASA, Chad B. Stephens, DO</p>
<p>2:08-2:15P</p>	<p><b>ASPN Top Abstract Presentation 12:</b></p>	<p>2:10-2:30P</p> <p><b>Informed Consent Best Practices</b>  <b>Moderated by Usman Latif, MD, MBA</b>  <b>Panelists:</b> Lisa R. Kroopf, MD, Jonathan Hyde, MD, Kevin Cairns, MD, MPH, Brian Durkin, DO, Vincent Galan, MD, MBA, Ioannis Skaribas, MD, DABA, FASA</p>
<p>2:16-2:20P</p>	<p><b>Late Breaking Abstract Presentation</b></p>	

<p><b>2:20-2:50P</b> <b>Sparkle Ballroom</b></p>	<p><b>Break with Exhibits and Abstract Poster Viewing</b> <b>Product Theater</b></p> <p><i>*Not part of the CME program</i></p>	
<p><b>Block 10: Advocacy, Ethics and the Politics of Pain and Neuroscience</b>  <b>Session Moderators: Eric T. Lee, MD, and Greg Moore, MD</b></p>		<p>2:30-2:50P  <b>Building Compliant Ancillary Services for a Successful Practice</b>  <b>Moderated by Tory L. McJunkin, MD</b>  <b>Panelists:</b> Yeshvant A. Navalgund, MD, Lisa R. Kroopf, MD, Ramoun Jones, MD, Rany T. Abdallah, MD, PhD, MBA</p>
<p>2:50-3:10P</p>	<p><b>New Innovations in Targeted Drug Delivery</b>  <b>Moderated by Jason E. Pope, MD, and Amitabh Gulati, MD</b>  <b>Panelists:</b> Monika Y. Patel, MD, Lawrence Poree, MD, MPD, PhD, Vinay Puttanniah, MD, Timothy R. Lubenow, MD, Neel Mehta, MD, Edward Podgorski, MD</p>	<p>2:50-3:10P  <b>Building a Successful ASC</b>  <b>Moderated by Vincent Galan, MD, MBA</b>  <b>Panelists:</b> Kenneth Candido, MD, Michael Danko, MD, Didier Demesmin, MD, MBA, Kevin Foley, MD</p>
<p>3:10-3:15P</p>	<p><b>An Update on the Journal of Pain Research: ASPN Official Journal</b>  <b>Presented by Michael E. Schatman, PhD, Editor in Chief of JPR</b></p>	<p>3:10-3:30P  <b>The Role of an Expert Witness in Interventional Pain and Spine</b>  <b>Moderated by Jay S. Grider, DO, PhD, MBA</b>  <b>Panelists:</b> Paul Lynch, MD, Stanley Golovac, MD, David D. Daggett, Esq., Rehan Waheed, DO, JD, Timothy T. Davis, MD</p>
<p>3:15-3:30P</p>	<p><b>The Ethical Issues Facing the Care of the Pain Patient</b>  <b>Moderated by Michael E. Schatman, PhD, and Stephanie Vanterpool, MD, MBA</b>  <b>Panelists:</b> Derron K. Wilson, MD, FIPP, Ioannis Skaribas, MD, DABA, FASA, Kevin Cairns, MD, MPH, Kenneth Candido, MD, Yashar Eshraghi, MD, Nick Knezevic, MD</p>	



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<p>3:30-3:50P</p>	<p><b>Is Our Space Ready for the Emerging AI Technologies?</b>  <b>Moderated by Usman Latif, MD, MBA, and Nandan Lad, MD, PhD</b>  <b>Panelists:</b> Eric T. Lee, MD, Robert Levy, MD, PhD, Sean Li, MD, Pooja R. Chopra, MD, Latrice Akuamoah, MD, MPH, Mark N. Malinowski, DO, FIPP, Lawrence Poree, MD, MPD, PhD</p>	<p>3:30-3:50P  <b>Building a Successful Intrathecal Pump Practice</b>  <b>Moderated by Jason E. Pope, MD</b>  <b>Panelists:</b> Edward Podgorski, MD, Michael Danko, MD, Jacqueline Weisbein, DO, Tammy Dann, DO, MPH</p>
<p>3:50-4:10P</p>	<p><b>The New Era:</b> How Can Pain Doctors &amp; Surgeons Increase Mutual Collaboration to Benefit Patients &amp; Healthcare  <b>Moderated by Patrick Buchanan, MD, and Michael J. Dorsi, MD</b>  <b>Panelists:</b> Aaron K. Calodney, MD, FASA, FIPP, ABIPP, Shravani Durbhakula, MD, MPH, MBA, Mehul J. Desai, MD, MPH, Myrdalis Diaz-Ramirez, MD, Yashar Eshraghi, MD, Michael F. Esposito, MD</p>	<p>3:50-4:10P  <b>The Role of Interventional Pain and Spine in Large Healthcare Systems: Pros and Cons</b>  <b>Moderated by Jay S. Grider, DO, PhD, MBA</b>  <b>Panelists:</b> George M Galvan, MD, FAANS, Neel Mehta, MD, Christopher M. Lam, MD, John Stevenson, MD, Tolga Suvar, MD, George E. Girardi, MD</p>
<p>4:10-4:30P</p>	<p><b>The Political Convergence of Specialties of Our Space:</b> Is It Time for a Physician Union?  <b>Moderated by Anthony Giuffrida, MD, and Jessica Jameson MD, FASA</b>  <b>Panelists:</b> Christopher A. Gilmore, MD, Jay S. Grider, DO, PhD, MBA, Maged Guirguis, MD, Christopher J. Winfree, MD, Youssef Josephson, DO, Hemant Kalia, MD, MPH</p>	<p>4:10-4:30P  <b>Q&amp;A and Closing Remarks</b>  <b>Moderated by Annu Navani, MD, Rehan Waheed, DO, JD, and Anil K. Sharma, MD</b></p>
<p>4:30-4:50P</p>	<p><b>Multifaceted Diversity in Medicine: Gender, Race and Beyond</b>  <b>Moderated by Pooja R. Chopra, MD, and Vwaire Orhurhu, MD, MPH</b>  <b>Panelists:</b> Ramoun Jones, MD, Gladstone C. McDowell II, MD, Neel Mehta, MD, Latrice Akuamoah, MD, MPH, Tammy Dann, DO, MPH, Ajay Antony, MD</p>	



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4:50-5:00P	<b>Closing Remarks</b> <b>Erika Petersen, MD, and Krishnan Chakravarthy, MD, PhD</b>	
5:00-6:00P	<b>Cocktail Reception Sponsored by Diamond Sponsor Curonix</b> <b>Room Name: Luster Lobby</b>  <i>*Not part of the CME program</i>	
8:00-10:00P	<b>ASPAN Miami HEAT - Charity Reception - Sponsored by Platinum Sponsor Boston Scientific</b>  <b>Location: Luster Lobby</b>  <i>*Not part of the CME program</i>	<b>Hosted by: Timothy R. Deer, MD, and Dawood Sayed, MD</b>  <b>All Attendees Invited - \$50 Donation Recommended</b>

**Sunday, July 14, 2024**

Time (EDT)	Location	Topic	Speakers
8:00A	Luster Lobby	Registration Open and Continental Breakfast	
8:00A	Sparkle Ballroom	Exhibitors Please Break Down Exhibits	
<b>Abstracts Introduced by Session Moderators: Vinita Singh, MD, and David Rosenblum, MD</b>			
8:00A	Fontaine Ballroom	Welcome Day 3	Stanley Golovac, MD
8:00-8:30A	Fontaine Ballroom	Closed Loop SCS Long-term Benefits: Facts of Fiction	Nagy Mekhail, MD, PhD



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8:30-9:00A	Fontaine Ballroom	<b>Young Innovators: The Formula for Success During Your First Few Years of Practice</b>	<b>Moderated by Ryan Budwany, MD, MBA, MPH, and Nasir Khatri, MD</b> <b>Panelists:</b> Christopher Robinson, MD, PhD, Evan Peskin, MD, MBA, Iden Cowan, MD, Raj G. Patel, MD, Ammar Mahmoud, MD, Yussr Ibrahim, MD, Melissa Murphy, MD, MPH, Vwaire Orhurhu, MD, MPH
9:00-9:07A	Fontaine Ballroom	<b>ASPAN Top Abstract Presentation 13:</b>	
9:08-9:15A	Fontaine Ballroom	<b>ASPAN Top Abstract Presentation 14:</b>	
9:16-9:23A	Fontaine Ballroom	<b>ASPAN Top Abstract Presentation 15:</b>	
9:24-9:31A	Fontaine Ballroom	<b>ASPAN Top Abstract Presentation 16:</b>	
9:32-9:45A	Fontaine Ballroom	<b>Closing Remarks</b>	<b>Stanley Golovac, MD</b>
10:00A		Sessions Close	

***Thank you to the ASPAN Executive Board for the Support of the Annual Meeting***

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