



The American Society of Pain and Neuroscience (ASPEN) Presents PAIN, 2021 “Innovations and Treatment in Spine and Nerve Pain”

Loews Miami Beach Hotel, Miami Beach, Florida
July 22–July 25, 2021

Course Directors: Timothy Deer, MD, Dawood Sayed, MD, and Erika A. Petersen, MD, FAANS, FACS

Thursday, July 22, 2021			
Time (EDT)	Location	Topic	Faculty
		HANDS-ON TRAINING LAB - OFFSITE	
6:00A	Rotunda	Registration and check in for Hands-on Training Lab	
6:30A		Transportation departures for Lab to the MARC	
7:30-8:00A	MARC - OFFSITE	Breakfast Symposium Sponsored by Aurora Spine <i>*No CME credit hours available for this session</i>	
7:00A-6:00P	MARC - OFFSITE	Hands-on Training Lab 17 Confirmed Lab Stations - Procedures to include: Spinal Cord Stimulation Peripheral Nerve Stimulation Radiofrequency Intrathecal Drug Delivery Biologics Minimally Invasive Spinal Surgery including: SI Joint Fusion Percutaneous Lumbar Decompression Direct and Indirect Intralaminar Spinal Fusion Synthetic Bone Graft See lab agenda for rotation and session details	Course Directors: Steven M. Falowski MD, FAANS, Jason E. Pope, MD, Natalie H. Strand, MD and Harry P. Sukumaran, MD
12:50-1:25P	MARC - OFFSITE	Luncheon Symposium Sponsored by SPR Therapeutics <i>*No CME credit hours available for this session</i>	
1:25-6:00P	MARC - OFFSITE	Hands-on Training Lab Final lab rotations See lab agenda for rotation and session details	
6:00P	MARC - OFFSITE	Transportation departures to Loews Hotel	
		ACTIVITIES AT THE LOEWS	

2:00-6:00P	Americana Salon 4	Exhibitors please check in at the Rotunda for Exhibit Set-up	
12:00 noon	Rotunda	Early Check-in available at Registration	
3:30-5:00P	Americana Salon 3	Motion Study Investigators Meeting <i>*No CME credit hours available for this session</i>	By Invitation Only
5:00-6:30P	Cowrie 1	Vertos Advisory Council Meeting <i>*No CME credit hours available for this session</i>	By Invitation Only
6:30-8:00P	Poinciana	ASPAN Industry Dinner Symposium Sponsored by Platinum Sponsor Boston Scientific Special Presentation and LAUNCH of ASPAN 2021 Annual Conference <i>*No CME credit hours available for this session</i>	
8:00-9:00P	Cowrie 1	Reception Sponsored by Neuralace	By Invitation Only

Friday, July 23, 2021			
Time (EDT)	Location	Topic	Speakers
7:00-8:00A	Rotunda	Registration: Must Sign-in to Claim CME Credit	
7:00-8:00A	Triton	ASPAN Executive Board of Directors Meeting <i>*No CME credit hours available for this session</i>	By Invitation Only
7:00-8:00A	Poinciana	Breakfast and Product Theaters 7:15-7:30 Aurora Spine 7:30-7:45 Advantage Point Behavioral 7:45-8:00 Vivex Biologics <i>*No CME credit hours available for this session</i>	
8:00-8:20A	Americana Salon 3	ASPAN Leadership Address: The Evolution of a Specialty fostered by a Society	President: Dawood Sayed, MD Chairman: Timothy Deer, MD
8:20-8:40A	Americana Salon 3	Best Practice for Radiofrequency Ablation of the Spine: Current Evidence and Future Direction	Moderator: Sean Li, MD Panel: Natalie H. Strand, MD, Johnathan H. Goree, MD, Dan T. D. Nguyen, MD, Kiran V. Patel, MD
8:40-9:00A	Americana Salon 3	The Evolution of Radiofrequency Ablation Beyond the Spine: Applications in the Periphery	Moderator: Jessica Jameson, MD, FASA Panel: Eric T. Lee, MD, Helen M. Blake, MD, Leonardo Kapural, MD, PhD, Dawn A. Sparks, DO
9:00-9:20A	Americana Salon 3	Basivertebral Nerve Ablation for Low Back Pain: Patient Selection, Evidence, and Safety	Moderator: Jessica Jameson, MD, FASA Panel: Ramo K. Naidu, MD, Anthony T. Giuffrida, MD, Douglas P. Beall, MD, Brian J. Goentzel, MD

9:20-9:40A	Americana Salon 3	Breaking Research Session #1	
9:40-10:10A	Americana Salon 4	Break with Exhibits and Abstract Poster Viewing <i>*No CME credit hours available for this session</i>	
10:10-10:30A	Americana Salon 3	Percutaneous Interlaminar Decompression: Strategies on Optimizing Outcomes and Technique	Moderator: Timothy Deer, MD Panel: Lindsay N. Shroyer, MD, Mark H. Coleman, MD, Peter G. Pryzbylkowski, MD, Jessica Jameson, MD, FASA, Navdeep S. Jassal, MD, Michael S. Leong, MD, David Dickerson, MD
10:30-10:50A	Americana Salon 3	The Role of Interspinous Implants in Degenerative Lumbar Disorders	Moderator: Erika A. Petersen, MD, FAANS, FACS Panel: Pankaj Mehta, MD, Steven M. Falowski MD, FAANS, Jacqueline Weisbein, DO, Louis J. Raso, MD, PA, Harold Cordner, MD, Ajay Antony, MD, Michael Esposito, MD
10:50-11:10A	Americana Salon 3	Minimally Invasive Techniques for Lumbar Fusion: Current Techniques : Facet fixation, pedicle screws, and interspinous devices	Moderator: Dawood Sayed, MD Panel: Nomen Azeem, MD, FAAPMR, Denis G. Patterson, DO, Behnam Myers, DO, MPH, Chad B. Stephens, DO, Nestor D. Tomycz, MD
11:10-11:30A	Americana Salon 3	Sacroiliac Disease: Injections, RF Ablation, or Fusion?	Moderator: Kasra Amirdelfan, MD Panel: Jordan Lee Tate, MD, MPH, Youssef Josephson, DO, Michael Verdolin, MD, Aaron K. Calodney, MD, FASA, FIPP, ABIPP, Vincent Galan, MD, MBA, DABPM, Tory McJunkin, MD, DABA
11:30-11:50A	Americana Salon 3	Minimally Invasive Sacroiliac Fusion: A discussion on evidence and optimal surgical approach	Moderator: Dawood Sayed, MD Panel: John R. Orphanos, MD, Jordan Lee Tate, MD, MPH, Chris Bovinet, DO, FAAPMR, Denis G. Patterson, DO, Christopher K. Kim, MD, Steven M. Falowski MD, FAANS
11:50A-12:10P	Americana Salon 3	The Future of Minimally Invasive Spine Treatment: The Relationship Between Surgeons and Interventionalists	Moderator: Timothy Deer, MD Panel: Steven M. Falowski MD, FAANS, Erika A. Petersen, MD, FAANS, FACS , Ramo K. Naidu, MD, George E. Girardi, MD, Michael Dorsi, MD
12:10-12:30P	Americana Salon 3	Breaking Research Session #2.	

12:30-1:30P	Poinciana	Luncheon Symposium Sponsored by Diamond Sponsor Relievant <i>*No CME credit hours available for this session</i>	
1:30-1:50P	Americana Salon 3	The Evidence for Regenerative Medicine in Low Back Disorders	Moderator: Natalie H. Strand, MD Panel: Timothy T. Davis, MD, Douglas P. Beall, MD, Kasra Amirdelfan, MD, Aaron K. Calodney, MD, FASA, FIPP, ABIPP, Sudhir Diwan, MD, Corey W. Hunter, MD, FIPP
1:50-2:10P	Americana Salon 3	The Evidence for PRP in Musculoskeletal Disorders and Spine	Moderator: Kathleen W. Meacham, MD, PhD Panel: Corey W. Hunter, MD, FIPP, Jennifer Hah, MD, Aaron K. Calodney, MD, FASA, FIPP, ABIPP, Timothy T. Davis, MD, Sudhir Diwan, MD, Matthew T. Ranson, MD
2:10-2:30P	Americana Salon 3	Interventional Approaches to Headache and Facial Pain	Moderator: Miles Day, MD Panel: Konstantin V. Slavin, MD, FAANS, Robert Levy, MD, PhD, Kiran V. Patel, MD, Hemant Kalia, MD, MPH, Prabhdeep K. Grewal, MD, Michael Hoffman, MD, PhD
2:30-2:50P	Americana Salon 3	ASPAN Neurosurgeons Expert Panel	Moderator: John S. Michels, MD Panel: Erika A. Petersen, MD, FAANS, FACS, Steven M. Falowski MD, FAANS, Robert Levy, MD, PhD, Konstantin V. Slavin, MD, FAANS, John R. Orphanos, MD, Michael Dorsi, MD
2:50-3:10P	Americana Salon 3	Diversity, Equity, and Inclusion: A Call to Action	Moderator: Natalie H. Strand, MD Panel: Johnathan H. Goree, MD, Erika A. Petersen, MD, FAANS, FACS, Jacqueline Weisbein, DO, Kathleen W. Meacham, MD, PhD, Priyanka Ghosh, MD
3:10-3:30P	Americana Salon 3	New Techniques and Advancements in Vertebral Augmentation	Moderator: Douglas P. Beall, MD Panel: Rafael Justiz, MD, Harry P. Sukumaran, MD, Alexander Escobar, MD, Jacqueline Weisbein, DO, Sameer Jain, MD, Matthew T. Ranson, MD
3:30-4:00P	Americana Salon 4	Break with Exhibits and Abstract Poster Viewing Investment Theater sponsored by Kelly Castleberry at Morgan Stanley/Graystone. <i>*No CME credit hours available for this session</i>	

4:00-4:30P	Americana Salon 3	Perspectives from Leaders in Industry on the Future of Interventional Pain and Neuroscience	Moderators: Timothy Deer, MD and Dawood Sayed, MD Panel: Maulik Nanavaty, Michael Enxing, Mark Stultz, Dave Anderson, Keith Boettiger
4:30-5:00P	Americana Salon 3	Perspectives from Venture Capital and Early-Stage Companies on the Future of Interventional Pain and Neuroscience.	Moderators: Timothy Deer, MD and Dawood Sayed, MD Panel: Juan-Pablo Mas, Sean LaNeve, Travis Greenhalgh, Jim Schuermann, Eric Wichems
5:30-7:30P	Americana Lawn	An Introduction to Essentrics led by Dr. Alane Costanzo	
5:30~6:30P	Americana Lawn	ASPNN Annual 5k Walk and Run for Charity <i>Team Competition and Individual Awards for Men and Women's divisions.</i> Race Sponsored by Diamond Sponsor: Basic Home Infusion Race Shirts sponsored by Kelly Castleberry at Morgan Stanley/Graystone <i>*No CME credit hours available for this session</i>	
6:30-7:30P	Preston's Terrace	Reception Sponsored by Gold Sponsor: Nevro Corp. <i>*No CME credit hours available for this session</i>	
7:30-9:00P	Cowrie 1	APP Dinner- Sponsored by Platinum Sponsor Abbott <i>*No CME credit hours available for this session</i>	
7:30-9:30P	Poinciana	Dinner Symposium Sponsored by Silver Sponsor: Saluda <i>*No CME credit hours available for this session</i>	By Invitation Only

Saturday July 24, 2021

Time (EDT)	Location	Topic	Speakers
6:15-7:00AM	TBD	An Introduction to Essentrics led by Dr. Alane Costanzo	
7:00-8:00A	Rotunda	Registration: Must Sign-in to Claim CME Credit	
7:00-8:00A	Poinciana	Breakfast Symposium Sponsored by Gold Sponsor Medtronic <i>*No CME credit hours available for this session</i>	

Advanced Practice Providers Depart to APP Workshop – See Agenda Below

Advanced Practice Providers Workshop and Meeting (Breakout)

Course Directors: Zohra Hussaini MSN, FNP-BC, MBA, Brittney Misercola, MSN, APRN, FNP-C, CFRN, Casey Grillo, FNP-C and Ashley G. Comer, APRN, NP-C, Jeanmarie Tari, FNP			
8:00-8:40A	Poinciana 1-4	Pertinent Assessment and Physical Exam	Chris Bouvinet, DO
8:40-9:20P	Poinciana 1-4	Pertinent Imaging and Interpretation	John Michels, MD
9:20-9:40P	Poinciana 1-4	Telemedicine Tips for Pain Providers	Zohra Hussaini MSN, FNP-BC, MBA
9:40-10:20P	Poinciana 1-4	Case Studies: <ul style="list-style-type: none"> ● Headache, Neck Pain, Shoulder Pain ● Lower Back, Hip, SI Joint Pain ● CPRS 	Zohra Hussaini MSN, FNP-BC, MBA, Brittney Misercola, MSN, APRN, FNP-C, CFRN, Casey Grillo, FNP-C, Jeanmarie Tari, FNP and Ashley G. Comer, APRN, NP-C
8:00-8:20A	Americana Salon 3	Trialing Techniques with Intrathecal Drug Delivery	Moderator: Jason E. Pope, MD Panel: Anjum Bux, MD, Jay S. Grider, DO, PhD, MBA, Hemant Kalia, MD, MPH, Amit Gulati, MD, Kiran V. Patel, MD, Vinita Singh, MD, Navdeep Jassal, MD, Gladstone McDowell, MD
8:20-8:40A	Americana Salon 3	Updates on the Algorithm to treating Patients with Intrathecal Drug Delivery	Moderator: Jay S. Grider, DO, PhD, MBA Panel: Anjum Bux, MD, Gladstone McDowell, MD, Timothy R. Lubenow, MD, Salim M. Hayek, MD, PhD, Tammy Dann, DO, MPH
8:40-9:00A	Americana Salon 3	Advanced Interventional Approaches to Cancer Pain	Moderator: Shalini S. Shah, MD Panel: Lauren McLaughlin-Abrams, DO, Hemant Kalia, MD, MPH, Amit Gulati, MD, Vinita Singh, MD, Harry P. Sukumaran, MD, David Dickerson, MD
9:00-9:20A	Americana Salon 3	Intraoperative Placement of Spinal Cord Stimulators: Paresthesia Mapping, Anatomical, and Neuromonitoring	Moderator: Timothy Deer, MD Panel: Ajay Antony, MD, Derron K. Wilson, MD, FIPP, Steven M. Falowski MD, FAANS, Jennifer M. Lee, MD, Prabhdeep K. Grewal, MD, Richard M. Paicius, MD
9:20-9:40A	Americana Salon 3	Salvaging Techniques in Neuromodulation	Moderator: Krishnan Chakravarthy, MD, PhD Panel: Keith W. Schmidt, MD, Jonathan M. Hagedorn, MD, Leonardo Kapural, MD, PhD, Lisa R. Kroopf, MD, Gurtej Singh, MD

9:40-10:00A	Americana Salon 3	Technical Approaches in Implantation Techniques: Anchoring, Trial Techniques, Pocket Location	Moderator: Erika A. Petersen, MD, FAANS, FACS Panel: David W. Lee, MD, Javid M. Baksh, DO, John S. Michels, MD, Sean Li, MD, Tammy Dann, DO, MPH, Kevin Cairns, MD, MPH
10:00-10:20A	Americana Salon 3	Breaking Research Session	
10:20-10:50A	Americana Salon 4	Break with Exhibits and Abstract Poster Viewing <i>*No CME credit hours available for this session</i>	
10:50-11:10A	Americana Salon 3	Neuromodulation and Non-Surgical Low Back Pain	Moderator: Dawood Sayed, MD Panel: Jordan Lee Tate, MD, MPH, Michael Verdolin, MD, Jonathan Carlson, MD, Michael A. Fishman, MD, MBA
11:10-11:30A	Americana Salon 3	Neuromodulation for CRPS: SCS, DRG, PNS, or ITP?	Moderator: Jonathan Carlson, MD Panel: Kenneth B. Chapman, MD, Jay S. Grider, DO, PhD, MBA, Eric T. Lee, MD, Kasra Amirdelfan, MD, Jennifer M. Lee, MD, Lisa R. Kroopf, MD
11:30-11:50A	Americana Salon 3	Mechanisms of Action in Spinal Cord Stimulation	Moderators: Nagy Mekhail, MD, PhD and Robert Levy, MD, PhD Panelists: Kathleen W. Meacham, MD, PhD, N. Nick Knezevic, MD, PhD, Ricardo Vallejo, MD, PhD, Peter Staats, MD, MBA
11:50A-12:10P	Americana Salon 3	Battle Royal: The Best Evidence in Dorsal Column Stimulation	Moderators: Timothy Deer, MD and Dawood Sayed, MD Panel: Jason E. Pope, MD, Erika A. Petersen, MD, FAANS, FACS, Ricardo Vallejo, MD, PhD, Louis J. Raso, MD, PA, Peter Staats, MD, MBA
12:10-1:10P	Poinciana	Luncheon Symposium Sponsored by Platinum Sponsor Stimwave <i>*No CME credit hours available for this session</i>	
1:10-1:30P	Americana Salon 3	Remote Monitoring and Programming of Neuromodulation Devices	Moderator: Jacqueline Weisbein, DO Panel: Pankaj Mehta, MD, Denis G. Patterson, DO, Alexander Escobar, MD, Shravani Durbhakula, MD, George E. Girardi, MD, Ioannis Skaribas, MD, DABA, FASA

1:30-2:00P	Americana Salon 3	Rechargeable and Non-rechargeable SCS devices : Considerations in Patient Selection	Moderator: Jonathan Carlson, MD Panel: Louis J. Raso, MD, PA, Pankaj Mehta, MD, Michael A. Fishman, MD, MBA, Jordan Lee Tate, MD, MPH, Peter G. Pryzbylkowski, MD
2:00-2:20P	Americana Salon 3	Neuromodulation for Peripheral Neuropathies: New Evidence and Experience	Moderator: Kusra Amirdelfan, MD Panel: Erika A. Petersen, MD, FAANS, FACS, Kenneth B. Chapman, MD, Michael S. Leong, MD, Salim M. Hayek, MD, PhD
2:00-3:00P	Cowrie 1	<p>Women Physicians in Pain Management Investments Breakout (WPPMI)</p> <p>Introduction: Myrdalis Dias-Ramirez, MD & Timothy Deer, MD</p> <p>Presentations:</p> <ul style="list-style-type: none"> • How to bring research to your practice - Timothy Deer, MD • How to build upon an idea and sell it - Ricardo Vallejo, MD, PhD • How to invest in other businesses - Kelly Castleberry, Morgan Stanley/Graystone • How to find angel investors - Timothy Davis, MD 	Moderators and Presenters: Myrdalis Dias-Ramirez, MD, Timothy Deer, MD, Ricardo Vallejo, MD, PhD, Kelly Castleberry, Timothy Davis, MD
2:20-2:40P	Americana Salon 3	*****OPEN TBA*****	Moderator: Panel
2:40-3:00P	Americana Salon 3	Peripheral Nerve Stimulation for Lower Back Pain-Restorative Neurostimulation of the Medial Branch Nerve	Moderator: Dawood Sayed, MD Panel: Alexios Carayannopoulos, DO, MPH, DABPMR, FFSMB, FAAOE, Maged Guirguis, MD, Natalie H. Strand, MD, Krishnan Chakravarthy, MD, PhD
3:00-3:30P	Americana Salon 4	Break with Exhibits and Abstract Poster Viewing <i>*No CME credit hours available for this session</i>	
3:30-3:50P	Americana Salon 3	Advancements in Peripheral Nerve Stimulation Implanted Systems	Moderator: Mark N. Malinowski, DO, FIPP Panel: Jennifer Hah, MD, Amit Gulati, MD, Shalini S. Shah, MD, Ramo K. Naidu, MD, Ali Valimahomed, MD, FAAPMR, Amol Soin, MD
3:50-4:10P	Americana Salon 3	Complications in Neuromodulation: How to Manage and Avoid	Moderator: Erika A. Petersen, MD, FAANS, FACS Panel: Ioannis Skaribas, MD, DABA, FASA, Jonathan M. Hagedorn, MD,

			Timothy R. Lubenow, MD, Michael Esposito, MD
4:10-4:30P	Americana Salon 3	Closed Loop Stimulation: An Update on Evidence and Future Direction	Moderator: Sean Li, MD Panel: Robert Levy, MD, PhD, Dawood Sayed, MD, Jessica Jameson, MD, FASA, Jason E. Pope, MD, Aaron Calodney, MD, Jonathan H. Goree, MD, Stanley Golovac, MD
4:30-5:00P	Americana Salon 3	The Future of the Specialty with the Young Guns of ASPAN	Moderators: David W. Lee, MD, Jonathan M. Hagedorn, MD, Shravani Durbhakula, MD Panel: Priyanka Ghosh, MD, Alyson M. Engle, MD, Patrick Buchanan, MD, Jack Diep, MD, DABA, Lauren McLaughlin-Abrams, DO
5:00-5:20P	Americana Salon 3	Product Theater - Sponsored by Platinum Sponsor, Boston Scientific *No CME credit hours available for this session	
5:20-6:15P	Americana Salon 4	Cocktail Reception with Exhibits Reception: Sponsored by Gold sponsor - Nevro *No CME credit hours available for this session	All Medical Attendees are Welcome
6:15P	Americana Salon 4	Exhibitors Please Break Down Exhibits	
6:15-8:30P	Poinciana	Faculty Dinner and Awards Symposium Sponsored by Platinum Sponsor Abbott ASPAN AWARDS PRESENTATIONS and <i>Lifetime Achievement Awards presented by: Timothy R. Deer, MD</i> <ul style="list-style-type: none"> • Peter Staats, MD, MBA • Ricardo Vallejo, MD, PhD <i>Functional Neurosurgeon of the Year Award presented by: Robert Levy, MD, PhD</i> <ul style="list-style-type: none"> • Erika A. Petersen, MD, FAANS, FACS <i>2nd Annual Lisa Stearns Legacy Diversity Award presented by: Natalie H. Strand, MD</i> <ul style="list-style-type: none"> • Johnathan H. Goree, MD <i>Clinical Excellence Awards presented by: Dawood Sayed, MD</i> <ul style="list-style-type: none"> • Jordan Lee Tate, MD, MPH • Kenneth B. Chapman, MD <i>Educator of the Year Awards presented by: Erika Petersen, MD, FAN, FAACS</i> <ul style="list-style-type: none"> • Michael S. Leong, MD • Timothy R. Lubenow, MD <i>Innovation and Patient Safety Award presented by: Jason E. Pope, MD</i>	By Invitation Only

		<ul style="list-style-type: none"> Steven M. Falowski MD, FAANS <i>*No CME credit hours available for this session</i>	
8:30P-9:30P	Preston's Terrace	Reception Sponsored by PainTEQ	By Invitation Only
8:30-9:00P	Poinciana	ASPAN Leadership Council Meeting	By Invitation Only

Sunday, July 25, 2021			
Time (EDT)	Location	Topic	Speakers
7:00-7:45AM	TBD	An Introduction to Essentrics led by Dr. Alane Costanzo	
7:00-8:00AM	Poinciana 1-4	Board of Directors Meeting	By Invitation Only
7:30-8:00A	Rotunda	Registration: Must Sign-in to Claim CME Credit Continental Breakfast	
8:00-8:20A	Poinciana 1-4	The Impact of Smoking and Obesity on Neuromodulation Outcomes	Nagy Mekhail, MD, PhD
8:20-8:40A	Poinciana 1-4	The Psychological Evaluation for patients undergoing Spinal Cord Stimulation	Moderator: Michael E. Schatman, PhD Panel: Yashar Eshraghi, MD, Chad B. Stephens, DO, Marshall Bedder, MD, FRCPC, Lindsay N. Shroyer, MD
8:40-9:00A	Poinciana 1-4	The Importance of the Physical Exam in Pain Management	Moderator: Nomen Azeem, MD, FAAPMR Panel: Anthony T. Giuffrida, MD, Alexios Carayannopoulos, DO, MPH, DABPMR, FFSMB, FAAOE, Mark N. Malinowski, DO, Chris Bovinet, DO, FAAPMR, Alyson M. Engle, MD
9:00-9:20A	Poinciana 1-4	The Transition from Fellow to CEO of your Practice	Moderator: Anish S. Patel, MD, MBA Panel: Harold Cordner, MD, Jason Rosenberg, MD, Michael J. Gesquiere, MD, Stanley Golovac, MD, Didier Desmesin, MD

9:20-9:40A	Poinciana 1-4	Incorporating Research Into Your Practice	Moderator: Michael Verdolin, MD Panel: Mark N. Malinowski, DO, FIPP, Ali Valimahomed, MD, FAAPMR, Navdeep S. Jassal, MD, Alaa Abd- Elsayed, MD, MPH, Shravani Durbhakula, MD
9:40-9:50A	Rotunda	Coffee Break	
9:50-10:10A	Poinciana 1-4	The Role of Telemedicine in Pain Medicine	Moderator: Alexios Carayannopoulos, DO, MPH, DABPMR, FFSMB, FAAOE Panel: Vincent Galan, MD, MBA, DABPM, Derron K. Wilson, MD, FIPP, Prabhdeep K. Grewal, MD, Mayank Gupta, MD, Youssef Josephson, DO, Dawn A. Sparks, DO, Rudy M. Malayil, MD
10:10-10:30A	Poinciana 1-4	Optimizing your Clinical Billing Practice	Moderator: Anish S. Patel, MD, MBA Panel: S. Matthew Schocket, MD, Harold Cordner, MD, Helen M. Blake, MD, John V. Prunskis, MD, FIPP, Amol Soin, MD
10:30-10:50A	Poinciana 1-4	Navigating the First 5 Years Out of Practice	Moderator: Natalie H. Strand, MD Panel: David W. Lee, MD, Jack Diep, MD, DABA, Yashar Eshraghi, MD, Patrick Buchanan, MD, Vinita Singh, MD, Lauren McLaughlin-Abrams, DO, David Dickerson, MD
10:50-11:10A	Poinciana 1-4	Building A Successful Private Pain Practice	Moderator: John V. Prunskis, MD, FIPP Panel: S. Matthew Schocket, MD, Michael J. Gesquiere, MD, Mark H. Coleman, MD, Kevin Cairns, MD, MPH, Helen M. Blake, MD, Didier Demesmin, MD, MBA
11:10-11:30A	Poinciana 1-4	Infusion Therapy for Chronic Pain: The Role of Ketamine and Lidocaine	Moderator: Alaa Abd-Elseyed, MD, MPH Panel: Mark N. Malinowski, DO, Mayank Gupta, MD, Jacqueline Weisbein, DO, Maged Guirguis, MD, Neel Mehta, MD, Priyanka Ghosh, MD
11:30-11:50A	Poinciana 1-4	Detox or Not? Should Implantable Devices be Placed in Patients on High Dose Opioids?	Moderator: Michael Verdolin, MD Panel: Javid M. Baksh, DO, Miles Day, MD, N. Nick Knezevic, MD, PhD, Neel



The American Society of Pain and Neuroscience (ASPAN) Presents PAIN, 2021
 Course Directors: Timothy Deer, MD, Dawood Sayed, MD,
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 Loews Miami Beach Hotel, Miami Beach, Florida | July 22–July 25, 2021

Agenda

			Mehta, MD, Richard M. Paicius, MD, Dawn A. Sparks, DO, Yeshvant A. Navalgund, MD
11:50-12:10P	Poinciana 1-4	Predicting Pain Using Artificial Intelligence and Physiologic Metrics	Moderator: Louis J. Raso, MD, PA Panel: Ajay Antony, MD, Jennifer M. Lee, MD, Michael A. Fishman, MD, MBA, Krishnan Chakravarthy, MD, PhD, Keith W. Schmidt, MD, Amol Soin, MD
12:15P		Sessions Close	