

XII World Congress of the World Institute of Pain (WIP)

Antalya, Turkey / October, 28 - 30, 2023

28 OCTOBER 2023 - SATURDAY

Time/Hall	Hall A	Hall B	Hall C	Hall D	Hall E
09:30 - 10:00	Gathering & Coffee Break				
10:00 - 10:45	Opening Ceremony				
10:45 - 12:00	<p>Plenary Session Chair: Dominic Hegarty</p> <p>Catherine Bushnell (30 min.) The place of interventional pain medicine in the bio-psycho-social model of pain management</p> <p>Chair: Serdar Erdine</p> <p>Sean Mackey (30 min.) Real-world observational outcomes sourced from consortia: a substitute for RCTs, often unavailable for interventional procedures?</p>				
12:00 - 14:00	<p>Satellite Symposium - Medtronic (12:00-13:00) Moderator - Isaac Pena</p> <p>Isaac Pena, Peter Wright, Robert Raike, Rik Buschman Learn why Inceptiv is the most advanced SCS system with closed loop technology</p>		Lunch Break & Poster Viewing		
14:00 - 15:30	<p>Spinal Cord Stimulation (SCS) for Chronic Pain Chair: Peter Staats</p> <p>Gözde Dağistan (25 min.) Efficacy of SCS for heterogeneous pain states: phantom limb, visceral pain, polyneuropathies and others.</p> <p>Nagy Mekhail (25 min.) Efficacy and durability of feedback- controlled closed loop SCS</p> <p>Ibrahim Asik (20 min.) Complications and salvaging a SCS failure</p> <p>Roundtable (20 min.) Chair: Peter Staats with speakers, Steven Cohen and the audience. Neuromodulation by SCS for everything?</p>	<p>Evolution of Interventional Pain Practice (IPP) Chair: Kris Viszers</p> <p>Chris Wells (25 min.) The birth of Pain Medicine and IASP and the emergence of Interventional Pain Practice amid specialties</p> <p>Gabor Racz (20 min.) Foundation and evolution of the World Institute of Pain (WIP) 1993 - 2023</p> <p>Kris Viszers (20 min.) The need for multidisciplinary integrative teams in Interventional Pain Practice</p> <p>Roundtable (25 min.) Chair: Kris Viszers with the speakers, Serdar Erdine, Ricardo Ruiz-Lopez, Catherine Bushnell and the audience. Pain science and medicine... How are we doing today?</p>	<p>Head, Facial and Cervical Pain Chair: Miles Day</p> <p>Ersin Tan (25 min.) Pain paroxysms in trigeminal neuralgia and other neuropathic conditions</p> <p>Miles Day (20 min.) Cervicogenic headaches: Diagnosis and treatment</p> <p>Jeff Mogil (25 min.) Pre-clinical models of headache and facial pain, including genetic predispositions</p> <p>Roundtable (20 min.) Chair: Miles Day with the speakers and the audience. Disease targeted interventions</p>	<p>Noninvasive Neuroimaging Chair: Beth Darnall</p> <p>Sean Mackey (20 min.) Pain imaging</p> <p>Laura Simons (25 min.) Pain imaging... Development</p> <p>Marshall Devor (20 min.) Is pain experienced in the cerebral cortex?</p> <p>Roundtable (25 min.) Chair: Beth Darnall with the speakers and the audience. Pain neuroimaging</p>	
15:30 - 16:00	Coffee Break & Poster Viewing				
16:00 - 17:30	<p>DRG (Dorsal Root Ganglion) as a Pain Generator and Target for Neuromodulation Chair: Marshall Devor</p> <p>Marshall Devor (10 min.) DRG as an ectopic generator of chronic pain</p> <p>Adnan Al-Kaisy (20 min.) Direct and transgrade DRG stimulation</p> <p>Duetto: Nagy Mekhail & Adnan Al-Kaisy (20 min.) Moderator: Marshall Devor DRG stimulation: benefits over spinal cord stimulation (SCS)</p> <p>Richard Rauck (20 min.) Intrathecal and intraforaminal pump delivery of analgesic drugs</p> <p>Roundtable (20 min.) Chair: Marshall Devor with the speakers, Serdar Erdine and the audience. DRG as a pain generator</p>	<p>Great Moments in the Foundations of Interventional Pain Practice Chair: Ricardo Luiz-Lopez</p> <p>Catherine Bushnell (25 min.) From Gate Control Theory to central sensitization to the thermal grill</p> <p>Duetto: Kris Viszers & Sean Li (25 min.) Moderator: Jeff Mogil Classification of pain types, including "nociplastic pain", "a disease" and "centralized": Does classification actually contribute to better diagnostics and treatment?</p> <p>Ricardo Ruiz-Lopez (20 min.) The development of directional radiofrequency by the RULO System and outcomes in percutaneous lumbar extraforaminotomy for spinal stenosis</p> <p>Discussion (20 min.) Chair: Ricardo Ruiz-Lopez with the speakers Jeff Mogil and the audience. Something old, something new</p>	<p>Head and Cranio-Facial Pain Chair: Dominic Hegarty</p> <p>Dominic Hegarty (25 min.) Different presentations of facial pain</p> <p>Serdar Erdine (20 min.) Interventional treatment of facial pain</p> <p>Lee Dellon (25 min.) Nerve decompression for migraine and cranio-facial pain</p> <p>Roundtable (20 min.) Chair: Dominic Hegarty with the speakers, Ersin Tan and the audience. Head and cranio-facial pain</p>	<p>When is Ultrasound Preferred to Fluoroscopy as a Guide to Best Outcome? Chair: Javier de Andres Ares</p> <p>Javier de Andres Ares (10 min.) Key issues that define this topic: Learning curve, optimal visualization of structures, radiation safety, availability</p> <p>Milan Stojanovic (20 min.) Fluoroscopy guided procedures</p> <p>Agnes Stogicza (20 min.) Ultrasound guided procedures</p> <p>Karolina Szadek (20 min.) Sacroiliac joint denervation techniques</p> <p>Roundtable (20 min.) Chair: Javier de Andres Ares with the speakers and the audience. Ultrasound vs. fluoroscopy</p>	<p>Oral Abstract Presentations: Injections and Ablations Co-Chairs: Chris Wells, Alp Yentür</p> <p>Damla Yürük (15 min.) Optimum Sonoanatomical Approach for Selective Cervical Nerve Root Block: Evaluation of Three Different Needle Pathway with Cadaver and Voluntary</p> <p>Mert Sabiroğlu (15 min.) A Complication of Injection in the Cervical Region; Cervical Spinal Cord Injury, Syringomyelia</p> <p>Apostol Vaso (15 min.) Attenuation of phantom limb pain (PLP) by lidocaine injection on a single DRG PLP</p> <p>Hale Arkan Tuna (15 min.) The Postoperative Analgesic Effect Of Pre-Incisional Transversus Abdominis Plane Block in Inguinal Hernia Repair: A Randomized Controlled Study</p> <p>Summayah M A Fallatah (15 min.) Analysis of the Cost versus Value Associated with the use of 5 % Lidocaine Topical Patch in Chronic Pain</p>
17:30 - 19:00	Welcome Reception (Exhibition Area)				

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29 OCTOBER 2023 - SUNDAY

Time/Hall	Hall A	Hall B	Hall C	Hall D	Hall E
08:30 - 10:00	<p>Cancer Pain and Palliative Care Chair: Mert Akbas</p> <p>Meltem Uyar (25 min.) Pain management in palliative care, when and how</p> <p>Mert Akbas (25 min.) Special interventions for cancer pain: Advanced techniques</p> <p>Javier de Andres Ares (20 min.) Interventional pain physician's approach for chronic pelvic pain</p> <p>Discussion (20 min.) Chair: Mert Akbas with the speakers and the audience. Cancer pain and palliative care</p>	<p>New Pathways for Treatment of Knee Pain Chair: Thibaut Vanneste</p> <p>Thibaut Vanneste (20 min.) Diagnosis and conservative management of knee pain</p> <p>Steven Cohen (25 min.) Interventional treatment of knee pain</p> <p>Agnes Stojicica (15 min.) Ultrasonography of genicular nerves of the knee</p> <p>Marshall Devor (10 min.) Intrinsic vs. extrinsic innervation of bone ends</p> <p>Roundtable (20 min.) Chair: Thibaut Vanneste with the speakers, Lee Dellon, Steven Cohen and the audience. Joint pain syndromes</p>	<p>Pain Relief in the Digital Age Chair: Beth Darnall</p> <p>Sean Mackey (25 min.) Digital platform for acute and chronic pain, and running pragmatic trials for invasive interventions</p> <p>Beth Darnall (25 min.) Digital treatments for procedural, chronic, and surgical pain</p> <p>Laura Simons (20 min.) Virtual reality and digital treatment</p> <p>Discussion with Q&A (20 min.) Chair: Beth Darnall and speakers with Chris Gilligan, Dominic Hegarty and the audience. Pain relief in the digital age</p>	<p>Personalized Pain Medicine Chair: Jan Van Zundert</p> <p>Jan Van Zundert (25 min.) Interventional pain medicine: challenges and limitations of personalized treatment</p> <p>Sander van Kujck (25 min.) Prediction modelling of personalized pain care</p> <p>Jorn Lotsch (20 min.) Toward precision medicine in pain: Research and clinical challenges</p> <p>Roundtable Discussion (20 min.) Chair: Jan Van Zundert with the speakers and the audience. Personalized pain medicine</p>	<p>Oral Abstract Presentations: Neuromodulation Co-Chairs: Tom Yearwood, Altan Sahin</p> <p>Dominic Hegarty (15 min.) Multicenter Randomized Crossover Clinical Trial Model of High-Frequency Sinusoidal Neurostimulation versus TENS for the Treatment of Musculoskeletal Pain</p> <p>Sean Li (15 min.) Non-Surgical Refractory Back Pain Patients Implanted with 10 kHz Spinal Cord Stimulation Report Long-term Improvements in Pain and Non-Pain Outcomes</p> <p>Edip Gonullu (15 min.) Retrospective analysis of rapid onset of analgesia (FAST) mode in spinal cord stimulation</p> <p>Aysel Gezer (15 min.) Different indications of spinal cord stimulation in patients: A 10-year experience</p> <p>Abhiram Yedlapati (15 min.) Outcome benefits of Opioid Free Anaesthesia in Urological oncological surgeries- A single centre randomised blinded trial</p> <p>Richard Rauck (15 min.) Prospective, Multicenter, Patient-Outcomes Evaluation of a Spinal Cord Stimulation System Designed to Engage Surround Inhibition Using Fast-Acting Sub-Perception</p>
10:00 - 10:30	Coffee Break & Poster Viewing				
10:30 - 12:00	<p>Plenary Session Chair: Beth Darnall</p> <p>Fabrizio Benedetti (30 min.) The role of placebo, nocebo and context in interventional pain medicine</p> <p>Chair: Marshall Devor</p> <p>Jeffrey Mogil (30 min.) Mistakes were made: How to fix preclinical pain research and provide evidence for interventionalist procedures</p>				
12:00 - 14:00	<p>Satellite Symposium - Boston Scientific (12:00-13:00)</p> <p>Nilesh Patel, Serdar Erdine Symposium Opening</p> <p>Nilesh Patel The Complexity of treating pain: Advancing patient outcomes with innovative SCS and RF solutions</p> <p>Ibrahim Agik Improving SCS therapy outcomes with Fast-Acting-Sub-perception-Therapy FAST</p> <p>Herman Stoevelaar, Javier de Andres Optimizing patient selection and referral for SCS and RF: The e-health tool experience</p> <p>Nilesh Patel, Serdar Erdine Closing remarks – Q&A</p>		<p>Lunch Break & Poster Viewing</p>		
14:00 - 15:30	<p>Innovations in Interventional pain medicine: radiofrequency (RF) Chair: Jan Van Zundert</p> <p>Koen Van Boxtem (25 min.) Mode of action of the different types of RF</p> <p>Thibaut Vanneste (20 min.) RF and Cooled RF for knee pain</p> <p>Burak Erken (20 min.) Role of high voltage Pulsed RF</p> <p>Roundtable Discussion (25 min.) Chair: Jan Van Zundert with the speakers Steven Cohen and the audience. Radiofrequency</p>	<p>Discogenic Low Back Pain Chair: Sudhir Diwan</p> <p>Jan Willem Kallewaard (25 min.) Provocative discogram</p> <p>Milan Stojanovic (20 min.) Interventional approaches for discogenic pain</p> <p>Sudhir Diwan (20 min.) Biologicals in discogenic low back pain</p> <p>Roundtable and Q&A (25 min.) Chair: Sudhir Diwan with the speakers, Nagy Mekhall and the audience. Discogenic origin vs. other causes of low back pain</p>	<p>Microneurography: A Key Diagnostic Tool for Interventional Pain Practice Chair: Marshall Devor</p> <p>Jordi Serra (25 min.) Carrying out and analyzing microneurographic recordings</p> <p>Andreas Themistocleous (20 min.) Ectopic afferent discharge as a pain driver in animals and humans</p> <p>Jordi Serra (20 min.) Microneurographic recording – live demonstration</p> <p>Discussion (25 min.) Chair: Jordi Serra with Andreas Themistocleous and the audience. What have we just seen?</p>	<p>Peripheral Nerve Stimulation Chair: Peter Staats</p> <p>Sean Li (25 min.) Transcutaneous (TENS) and direct peripheral nerve stimulation (wired and wireless)</p> <p>Ismail Gultuna (20min.) Subcutaneous stimulation (SubQ) as additional therapy to spinal cord stimulation (SCS) in the treatment of chronic low back pain due to failed back surgery syndrome</p> <p>Peter Staats (25 min.) Vagus nerve stimulation for affective disorders: anxiety, depression and PTSD</p> <p>Discussion (20 min.) Chair: Peter Staats with the speakers and the audience. How can nerve stimulation favorably affect so many different kinds of conditions?</p>	
15:30 - 16:00	Coffee Break & Poster Viewing				
16:00 - 17:30	<p>Paresthesia-Free SCS: Placebo Controlled Validation of Neuromodulation? Chair: Steven Cohen</p> <p>Dirk De Ridder (25 min.) SCS using burst, tonic, high and multiple overlapping frequency stimulation.</p> <p>Tom Yearwood (20 min.) Potential mechanisms of pain relief by neuromodulation: Gate control, glia or something else?</p> <p>Duetto: Dirk De Ridder & Steven Cohen (20 min.) Moderator: Marshall Devor Paresthesia-free SCS: How satisfactory is patient blinding?</p> <p>Roundtable Discussion (25 min.) Chair: Steven Cohen with the speakers, Adnan Al-Kaisy and the audience. Do stimulation parameters really make a difference? Experimental design issues.</p>	<p>Collection of "Real-World" Data as a Substitute for RCTs in Interventional Pain Practice Chair: Sean Mackey</p> <p>Sean Mackey (20 min.) Acceptance of "real-world" evidence by the scientific, regulatory and insurance communities.</p> <p>Richard Rauck (25 min.) Pain registries with a focus on interventional procedures</p> <p>Jan Willem Kallewaard (25 min.) Neuronix, an international registry focused on neuromodulation for pain relief</p> <p>Roundtable (20 min.) Chair: Sean Mackey with the speakers, Peter Staats and the audience. "Real-world" data collection as a substitute for RCTs in IPP</p>	<p>Interventional Pain Practice (IPP) Around the World Chair: Ricardo Ruiz-Lopez</p> <p>James Rathmell (20 min.) Founders, major centers and growth over 5 decades – North America</p> <p>Chris Wells (15 min.) Founders, major centers and growth over 5 decades – The UK and Europe</p> <p>Yu-Chuan (Grace) Tsai (15 min.) Founders, major centers and growth over 5 decades in Asia</p> <p>Dominic Hegarty (15 min.) National and international pain societies and the role of Zoom</p> <p>Panel Discussion (25 min.) Chair: Ricardo Ruiz-Lopez with the speakers, Ricardo Plancarte, Raad Al-Kafaji and the audience. How to advance in China, Russia, Africa, the Middle East and Latin America</p>	<p>Pearls in Nerve and Spinal Interventions Chair: Jan Van Zundert</p> <p>Jan Van Zundert (10 min.) Agents and procedures used for nerve blocks</p> <p>Jee You Moon (20 min.) How to perform excellent nerve blocks</p> <p>Milan Stojanovic (20 min.) How to interpret optimal imaging for spinal interventions</p> <p>Jordi Serra (20 min.) What can we learn of 'mystery' chronic pain conditions with microneurography</p> <p>Roundtable and Q&A (20 min.) Chair: Jan Van Zundert with the speakers and the audience. Pearls in nerve and spinal interventions</p>	<p>Oral Abstract Presentations: Chronic Pain in Children Co-Chairs: Lee Dellon, Pakize Kirdemir</p> <p>Gözde Dağistan (15 min.) Management of the Pediatric Patient with Complex Regional Pain Syndrome</p> <p>Mario Sanchez Franco (15 min.) Neurostimulator Placement in a 13-Year-Old Girl With Complex Regional Pain Syndrome: Case Report.</p> <p>Danielle Masetto Cadide (15 min.) Pulsed Radiofrequency Neuromodulation in Pediatric Headache Management: A Case Study On Occipital Neuralgia Intervention</p> <p>Suna Aşkın Turan (15 min.) USG Guided Proximal GONB is effective and safe for chronic migraine during pregnancy</p> <p>Şebnem Rumeli (15 min.) Evaluation of Fentanyl Use in Vaso-occlusive Crisis in Sickle Cell Disease.</p>
TBA	Gala Dinner				

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30 OCTOBER 2023 - MONDAY

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08:30 - 10:00	<p>Some Tools to Manage Regional Pain Chair: Gül Köknel Talu</p> <p>Gül Köknel Talu (25 min.) Management of persistent postsurgical pain</p> <p>Yavuz Gürkan (25 min.) How ultrasound changed regional anesthesia: implications for chronic pain management</p> <p>Yu-Chuan (Grace) Tsai (20 min.) Using spinal steroids for treating chronic spinal pain: the need of a Paradigm Shift</p> <p>Roundtable (20 min.) Chair: Gül Köknel Talu with the speakers and Serdar Erdine and the audience. Regional pain</p>	<p>Radicular Pain Syndromes Chair: James Rathmell</p> <p>James Rathmell (20 min.) The diagnostic process of radicular pain</p> <p>Steven Cohen (20 min.) Radicular pain: Is it nociceptive, neuropathic and/or nociplastic?</p> <p>Koen Van Boxem (20 min.) Interventional treatment of radicular pain</p> <p>Marshall Devor (15 min.) Ectopic discharge originating in the DRG as a generator of radicular pain.</p> <p>Q&A (15 min.) Chair: James Rathmell with the speakers and the audience. Radicular pain</p>	<p>Sympathetic Blocks for Pain Chair: Agnes Stogicza</p> <p>Agnes Stogicza (10 min.) Brief review of the autonomic nervous system</p> <p>Agnes Stogicza (20 min.) Superior and inferior hypogastric plexus block</p> <p>Miles Day (20 min.) Upper abdominal sympathetic blocks for pain</p> <p>Sudhir Diwan (20 min.) Ganglion impar block</p> <p>Discussion (20 min.) Chair: Agnes Stogicza with the speakers and the audience. The sympathetic nervous system and pain</p>	<p>Neuroplasty: Epidural Membrane as a Source of Back and Neck Pain Chair: Gabor Racz Co-Chair: Ludgar Gerdesmeyer</p> <p>Cuneyt Ozaktay (15 min.) Numerous lysis cases with no complications</p> <p>Ludgar Gerdesmeyer (20 min.) New evidence for neuroplasty – 10 years follow-up</p> <p>Mert Akbas (15 min.) Neuroplasty in post lumbar surgery syndrome</p> <p>Gabor Racz (20 min.) What's new in neuroplasty?</p> <p>Discussion and Q&A (20 min.) Chair: Gabor Racz and Ludgar Gerdesmeyer with the speakers and the audience. Epidural membrane as a pain source</p>	<p>Oral Abstract Presentations: Quality of Life Co-Chairs: Beth Darnall, Evren Eker</p> <p>Eva Maria Lissa Pock (15 min.) Pain and Pain Management in Nursing Homes</p> <p>Beth Darnall (15 min.) Leveraging Technology for Patient-Centered and Patient-Supported Prescription Opioid Tapering: The EMPOWER Study</p> <p>Zubeyir Sallis (15 min.) Long-term effect of non-steroidal anti-inflammatory drugs (NSAIDs) on symptoms and structural defects of knee osteoarthritis: meta-analyses of emulated trials using multicohort data</p> <p>Suna Askin Turan (15 min.) Is COVID-19 Vaccination a Trigger Factor For Cluster Headache?</p> <p>Felice Occhigrossi (15 min.) Real-World Outcomes Using Thermal Radiofrequency Ablation for Chronic Pain of the Lumbosacral Region</p>
10:00 - 10:30	Coffee Break & Poster Viewing				
10:30 - 12:00	<p>Interventional Procedures Just Around the Corner Chair: Ricardo Ruiz-Lopez</p> <p>Viola Rieke (25 min.) Minimally invasive strategies for treating chronic pain using focused ultrasound (FUS)</p> <p>Ricardo Ruiz-Lopez (20 min.) Advances in mesenchymal stem cell therapies in chronic pain conditions</p> <p>Jorn Letsch (25 min.) Will diagnosis by computerized AI (Artificial Intelligence) supplant diagnosis by the pain physician?</p> <p>Discussion (20 min.) Chair: Ricardo Ruiz-Lopez with the speakers and the audience. Just Around the Corner</p>	<p>Use and Abuse in Interventional Pain Practice Chair: Athina Vadalouca</p> <p>Athina Vadalouca (20 min.) Misuse and abuse of interventional pain treatment</p> <p>Serdar Erdine (20 min.) Complications associated with interventional procedures: how to avoid them and how to overcome them</p> <p>Nilesh Patel (20 min.) Multi-society guidelines: under-penetration of therapies</p> <p>Dominic Hegarty (20 min.) Digital management in pain medicine: innovation and integration</p> <p>Q&A (10 min.) Chair: Athina Vadalouca and the audience. Use and abuse</p>	<p>Placebo, Biology and Pain Experience Chair: Beth Darnall</p> <p>Stephen Bruehl (25 min.) Predicting analgesic drug response after surgery: The crucial roles of endogenous opioids, endocannabinoids and psychological profiles</p> <p>Fabrizio Benedetti (20 min.) Placebo and more</p> <p>Stephen Bruehl (25 min.) Roles of inflammation, central sensitization and psychology in pain experience</p> <p>Discussion (20 min.) Chair: Beth Darnall with the speakers and the audience. Placebo, Biology and Pain Experience</p>	<p>Special Purpose Interventional Techniques Chair: Miles Day</p> <p>Ricardo Plancarte (25 min.) Osteoplasty for bone cancer and other difficult-to-treat bone pain</p> <p>Lee Dellon (25min.) Peripheral nerve surgery for pain: pros and cons</p> <p>Nick Knezevic (20 min.) Biomarkers' Contribution to Decoding Chronic Pain</p> <p>Q&A (20 min.) Chair: Miles Day with the speakers and the audience. Special purpose blocking methods</p>	<p>Oral Abstract Presentations: Interventional Approaches Co-Chairs: Chris Gilligan, Neslihan Akas</p> <p>Ibrahim Apik (15 min.) Comparison the Efficacy and Side Effects of Particulate and Non-Particulate Steroid in Patients with Chronic Lumbosacral Radicular Symptom</p> <p>Dhruv Jain (15 min.) Effect of verapamil as an adjuvant to epidural steroid injection in chronic lumbar radicular pain: A randomized, double blind study</p> <p>Javier De Andrés Ares (15 min.) Appropriateness criteria for radiofrequency interventions in chronic low back and neck pain: European consensus and e-health tool</p> <p>Hale Arkan Tuna (15 min.) Comparison of the Efficacy of Ultrasound-Guided Greater Occipital Nerve Blockage and Landmark-Based Greater Occipital Nerve Blockage Methods in Chronic Migraine Patients: Preliminary results of a randomized clinical study</p> <p>Felice Occhigrossi (15 min.) Significant Pain Relief and Treatment Satisfaction Following Radiofrequency Ablation - Prospective, Multicenter Study (RAPID)</p>
12:00 - 14:00	<p>Satellite Symposium - Abbott (12:30-13:15)</p> <p>Practice Based Evolution of Patient-Centric Care</p> <p>Dirk De Ridder Welcome and Introduction</p> <p>Giuliano Lo Bianco Pulsed Radiofrequency Value Proposition Standardizing treatment with Pulsed Dose radiofrequency</p> <p>Vadim Tashlykov Dorsal Root Ganglion (DRG) Value Proposition DRG therapy superiority in groin pain management</p> <p>Dirk De Ridder BurstDR™ Stimulation Therapy Value Proposition Therapy superiority in treating persistent spinal pain syndrome (PSPS II): Level 1A evidence data and clinical highlight overview</p> <p>Dirk De Ridder Q&A and Closure</p>		Lunch Break & Poster Viewing		
14:00 - 15:30	<p>Plenary Session Chair: Miles Day</p> <p>Monique Steegers (30 min.) Special features in the education and training of specialists in interventional pain practice</p> <p>Co-Chairs: Gabor Racz, Ricardo Ruiz-Lopez</p> <p>Marshall Devor (30 min.) Molecules to oblivion: How do general anesthetics eliminate pain and consciousness?</p>				
15:30 - 16:00	Coffee Break & Poster Viewing				
16:00 - 17:30	<p>Core Corpus of Medical Knowledge Required in IPP Chair: Ricardo Ruiz-Lopez</p> <p>Chris Gilligan (20 min.) Publishing on pain: Challenges and opportunities facing Pain Practice and allied journals in the era of artificial intelligence (AI)</p> <p>Gozde Dagistan (20 min.) Local, regional and general anesthesia for pain-free semi-invasive procedures</p> <p>Ricardo Ruiz-Lopez (20 min.) Surgical competency needed in IPP</p> <p>Monique Steegers (15 min.) Examination, accreditation and continued medical education (CME) in IPP</p> <p>Q&A (15 min.) Chair: Monique Steegers Core corpus of medical knowledge required in IPP</p>	<p>Evidence for the Efficacy of Pain Interventions. Quo Vadis? Chair: Jan Van Zundert</p> <p>Javier de Andrés Ares (25 min.) Guidelines, systematic reviews and meta-analyses: Fight for the truth</p> <p>Sander van Kuijk (20 min.) Forget coin flipping? Alternatives to the RCT</p> <p>Viola Rieke (20 min.) Challenges in evaluating efficacy of chronic pain interventions: Translating preclinical pain assessments with focused ultrasound treatments to the clinic</p> <p>Roundtable (25 min.) Chair: Jan Van Zundert with the speakers, Richard Rauck, Fabrizio Benedetti, James Rathmell, Sean Mackey and the audience. Evidence for the efficacy of pain interventions beyond RCTs and large registries</p>	<p>Startups & Entrepreneurship Chair: Miles Day</p> <p>Miles Day (15 min.) Special features of startups & entrepreneurship in the pain control arena</p> <p>Nick Knezevic (25 min.) Proof of efficacy and regulation: Comparison of drugs and devices important for interventional pain practice</p> <p>Peter Staats (10 min.) From idea to commercialization</p> <p>Fleur Sluiter (10 min.) Promoting a niche: Pulsed RF</p> <p>Chris Gilligan (10 min.) My perspective as a venture capitalist investor and MD</p> <p>Discussion (20 min.) Chair: Miles Day with the speakers, Lee Dellon, Steven Cohen and the audience. Trials, tribulations and rewards of entrepreneurship</p>	<p>AlgoSim: A Teaching Simulator for Interventional Pain Procedures Chair: Serdar Erdine</p> <p>Mehmet Özkan (45 min.) Emin Aksoy (45 min.) AlgoSim: A teaching simulator for interventional pain procedures</p>	