XI. WORLD CONGRESS OF WORLD INSTITUTE OF PAIN

Innovation in Pain Management

Budapest, Hungary, August 25-27, 2022

PROGRAM BOOK

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WIP2022 IN YOUR HAND

Download the application and add the congress to your events to enjoy all features: program, maps, chat... and many more!

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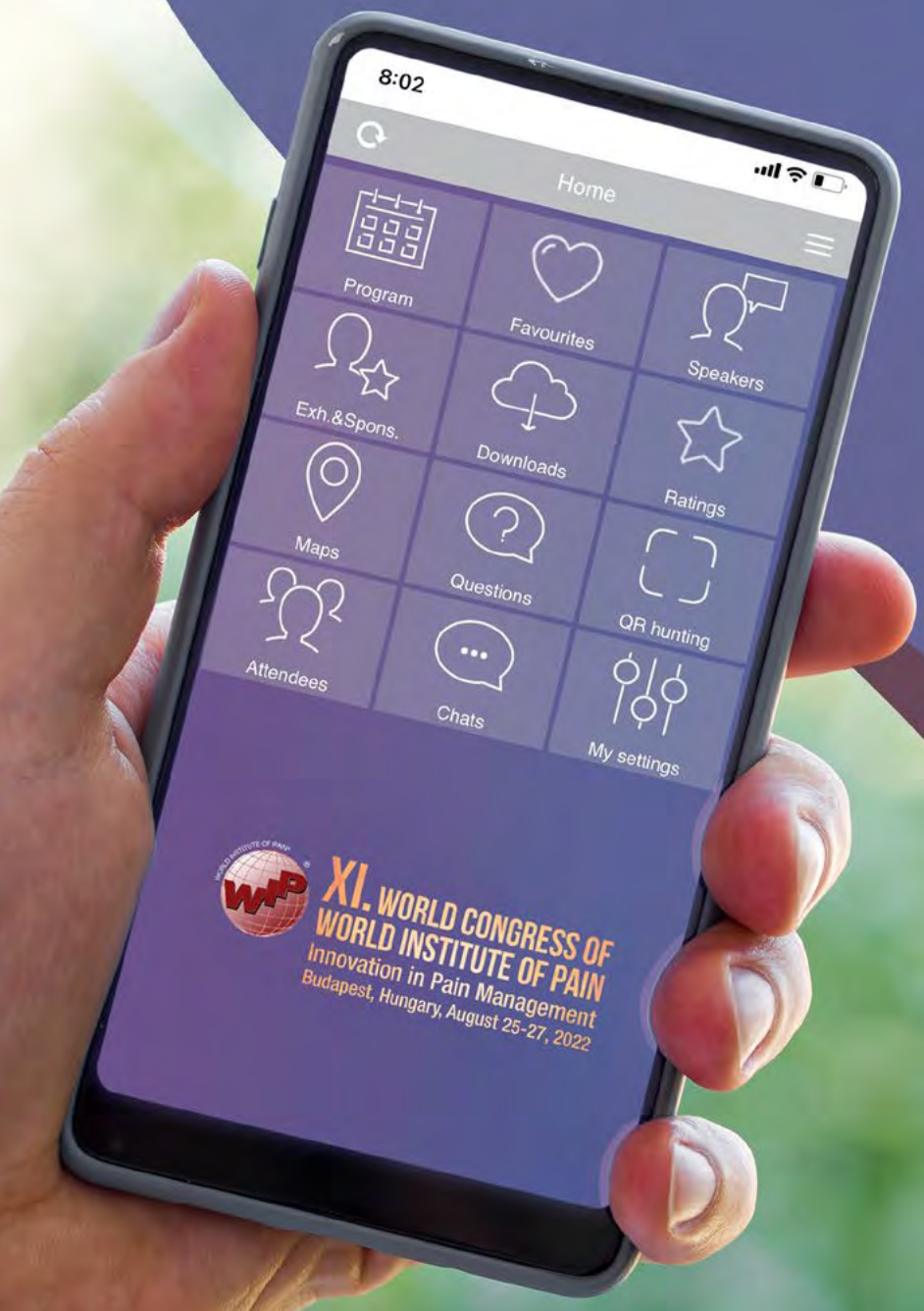
Come to the registration desk to find your personal QR code or check the invitation email in your inbox and follow instructions.



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WELCOME

Dear Colleagues,

The World Institute of Pain is excited to welcome everyone to the XI. World Congress in Budapest, Hungary, August 25-27th, 2022. Innovation and Change in Pain Management in a post covid world is the theme of what we expect to be one of the best conferences in 2022. Our Congress is being led by current President Peter Staats, MD, PhD, FIPP. Dr. Staats brings to our congress a wealth of expertise and knowledge, and with the help of our scientific committee, we believe we are providing you with the very best topics available on pain management. Our exhibit hall will be host to the best and brightest in new technologies, regenerative medicine, neuromodulation and chronic pain; so make sure you stop and visit each booth. Our exhibitors are one of the reasons each Congress gets better every year.

The WIP began its mission in 1993 as a worldwide organization promoting interventional pain by bringing together some of the world's best clinicians. Since that time, we have educated physicians in every ountry in the world. In 2001 WIP began its Fellow of Interventional Pain Practice (FIPP) Board of Examination, a physician certification program that requires both a theoretical and practical examination. We are proud that over 1,400 Physicians worldwide have completed this program.

Budapest is an extraordinary city that offers many surprises and much excitement. This Eastern European capital is full of arts, history, thermal pools, incredible markets, and home to some of the best restaurants in the world. If you've never visited, now is the time to plan; you do not want to miss this opportunity.

We take the health and safety of all participants very seriously, and every effort is being taken to ensure that each person has the best experience. We look forward to seeing our worldwide friends and learning what's new in the world of interventional pain.

We look forward to seeing each and every one of you!

Gabor B. Racz, MD, FIPP, DABIPP
Congress Chair

Dear WIP Friends and Family,

I am very happy to have the opportunity to welcome you to Budapest!

The past 2 ½ years have been unlike anything any of us has ever experienced, and the world as we all knew it has changed in ways that were unimaginable to us just a short time ago. As we begin to resume our old levels of activity, we are very excited to gather together in person once again. I am extremely thankful to be able to see old friends and new colleagues face-to-face, as we get on with the important business of expanding the science and practice of interventional pain medicine.

I am very grateful for the vision and leadership supplied by the WIP Executive Board and Founders during this period. Like many associations and organizations, WIP has faced many challenges in recent years. The dedication of our leadership and the support of our members and partners in industry have been absolutely critical to the survival of this society. I especially want to thank Prof. Gabor Racz for his invitation to resume WIP activities in the lovely city of Budapest, Hungary. It is fitting that we gather here once again, where so many of the early memories of WIP had their first setting.

I also want to thank Dr. Miles Day and the Program Committee for the XI. World Congress of WIP. An enormous amount of effort has been spent in organizing this excellent event, and I join Dr. Day and the Committee in being proud of the program that we have assembled. I also want to thank our amazing faculty, whose expertise and wisdom will make this the premier educational event in pain medicine in 2022! Of course, none of this would be possible without the generous support of our industry partners, who have continued to enable WIP to pursue its mission.

It is a pleasure to welcome one and all to the WIP XI. World Congress, and I look forward to spending time with you in-person in the coming days.

Thank you all for joining us in Budapest!

Peter Staats, MD, FIPP
President, World Institute of Pain

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SCIENTIFIC INFORMATION

Accreditation

The XI. World Congress of the World Institute of Pain, Budapest, Hungary, 25/08/2022-27/08/2022 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with **17 European CME credits (ECMEC®s)**. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits ™ . Information on the process to convert EACCME® credit to AMA credit can be found at www.ama-assn.org/education/earn-credit-participation-international-activities.

Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

Each participant can only receive the number of credits he/she is entitled to according to his/her actual participation at the event once he/she has completed the feedback form.
Breakdown of ECMEC®s per day:
25.08.2022 – 5.00 | 26.08.2022 – 6.00 | 27.08.2022 – 6.00

Abstract Publication

Abstracts will be published in the Pain Practice Supplement.

Speakers Technical Information

All presentations should include a single slide at the beginning notifying audience members of any potential conflict of interests.

Please bring your presentations (PowerPoint or PDF) on USB memory stick. If your presentation has video or audio files embedded, please do not forget to bring the source file together with the presentation, in the same folder. All presentation materials must be submitted to the technical support team in the posted lecture hall at least 30 minutes prior to your scheduled presentation or the day before your presentation if your talk is scheduled for the morning sessions.

All rooms will be equipped with speakers/sound for audio/video files. We cannot accommodate overhead projections. Please note: use of personal laptops will not be permitted.

Posters Technical Information

E-poster stations will be located in the Exhibition area.
Poster presentation and viewing:

Thursday, August 25, 2022	10:30-11:00 / 15:30-16:00
Friday, August 26, 2022	09:30-10:00 / 15:30-16:00
Saturday, August 27, 2022	09:30-10:00 / 15:00-15:30

Program Changes

The organizers cannot assume liability for any changes in the scientific program due to unforeseen circumstances. Organizers will do their best to keep the participants up to date, possible changes in the program will be immediately communicated.

GENERAL INFORMATION

Pesti Vigadó

Congress Dates

August 25-27, 2022

FIPP / CIPS Exam Date

August 28, 2022

Venues

Congress venue

Pesti Vigadó
H-1051 Budapest, Vigadó tér 2.

Thursday / Friday Industry Lunch Symposium venue

Budapest Marriott Hotel
H-1052 Budapest, Apaczai Csere Janos u. 4.

Hands-on Workshop

Semmelweiss University
H-1091 Budapest, Ulloi út 93.
Daily bus transportation is provided.
Meeting point at 13:30 in front of Pesti Vigadó

Exam Venue

Semmelweiss University, H-1091 Budapest, Ulloi út 93.
Bus transportation is provided.
Meeting point at Kempinski, H-1051 Budapest, Erzsebet tér 7-8.

Registration Desk

The Registration Desk will be open at Pesti Viagodó 2nd floor

Thursday, August 25, 2022	7:30-18:30
Friday, August 26, 2022	7:00-17:30
Saturday, August 27, 2022	7:00-17:00

Hotline to the registration desk: +36 70 608 6806

FIPP / CIPS Exam Information

Examinee Registration at Pesti Vigadó 4th floor & Orientation Meeting at Northern Meeting Room	Saturday, August 27, 2022, 18:00-19:00
Examiner Meeting at Makovecz room	Saturday, August 27, 2022, 19:00-19:30

Venue Access by Public Transportation

The congress venues are easily accessible by Budapest public transportation system.
For detailed information on public transportation fares and timetables please visit www.bkk.hu/en.
For smartphones, the official, free BUDAPEST GO app is available on Google Play and iTunes.

Parking

If you drive a personal or rented car, always try to park at a guarded parking lot and do not leave any valuables in the car. Please note, that Budapest is divided into paying parking areas, with one parking meter in each street. The maximum parking time duration and tariffs may vary between different parking zones.
For detailed information on parking, please visit this site:
http://visitbudapest.travel/budapest-info/parking-in-budapest/

Recommended Taxi Company

To avoid any inconvenience, please use the official WIP2022 taxi company:
City Taxi: +36 1 211 1111, www.citytaxi.hu.
Credit card payment is available in all cars of City Taxi.
Please note, that all licensed Budapest taxi companies have yellow cars and has same rates for all companies, placed clearly visible on the screens.

Congress Registration Fees Onsite

Full Participant MEMBER	900 Euro
Full Participant NON MEMBER	1050 Euro
Trainee (Student/Fellow), Nurse	400 Euro
Developing countries	600 Euro
Accompanying person	400 Euro
Exhibitor badge	250 Euro

Registration fees include: access to all congress sessions and commercial exhibition, Program Book, Welcome Reception, coffee and tea (during breaks).

Accompanying person fees include: Welcome Reception, Sightseeing tour with lunch

Coffee Breaks

Coffee, tea and snacks will be served in the Exhibition area in all coffee breaks regarding the program.

Lunch

The congress registration fee does not include lunch for the participants. Industry lunch symposiums will be held on Thursday & Friday. We will serve light lunch on Saturday at the congress venue. Within walking distance from the congress venue, many restaurants are available offering wide range of dishes from fast food through traditional cuisine to fine dining.

Social Events

Welcome Reception

Date & time:	17:30-19:30 on Thursday, August 25, 2022
Price:	free of charge, included in registration/accompanying person fee
Venue:	on-site, in Pesti Vigadó (H-1051 Budapest, Vigadó ter 2.)

The organizers welcome the attendees of the WIP 2022 Congress with a cocktail reception. The aim of this event is to get know each other, greet old friends and get some new ones.

Gala Dinner with Award Ceremony

Date & time:	19:30-22:30 on Friday, August 26, 2022
Price:	150 EUR/person
Venue:	Museum of Fine Arts (H-1146, Budapest, Hősök tere)

Celebrate together with our WIP family at this gala dinner and say CUDOS to all who passed the last FIPP and CIPS examinations. The historical building of the Museum of Fine Arts, right at the UNESCO World Heritage Heroes' Square, provides the most beautiful surrounding for this very special occasion.

Farewell Dinner & Danube Cruise

Date & time:	20:00-22:00 on Saturday, 27 August
Meeting point:	at 19:45 from Vigado Port
Price:	85 EUR/person

During this evening sightseeing tour on the River Danube, you will be welcomed with a drink and enjoy a light dinner served on the boat. During dinner, a Hungarian jazz band plays the classics. The boat travels from Margaret Bridge, past the National Theatre, and by the Palace of Arts, a truly unique way to enjoy the glittering historical and modern sites of illuminated Budapest.
Dinner & drinks are included.

Sightseeing Tour

Date & time:	10:00-14:00 on Thursday, 25 August
Departure:	at 10:00 from Pesti Vigadó (Congress Venue)
Price:	35 EUR/person

This tour is included in accompanies' program!

A half-day sightseeing tour highlights the most attractive features of the capital city. Discover the most important sights in Budapest. Let us show you the main attractions on both sides of the River Danube. *Transportation is by bus, English-speaking guide, entrance fees are included.*

Badges

Identification badges are provided upon registration. For security purposes, all delegates and speakers are asked to wear their name badges all times during the congress. The identification badges are also helpful when contacting the Registration Desk and other participants. If you misplace your name badge, please go to the Registration Desk to arrange a replacement.

Commercial Exhibition

The exhibition will be opened from Thursday, August 25 until Saturday, August 27 at the Pesti Vigado. Delegates will have the opportunity to meet representatives of pharmaceutical and diagnostic equipment companies at their booths to discuss new developments and receive up-to-date product information.

Exhibition opening hours:

Thursday, August 25	8:00-20:00
Friday, August 26	8:00-17:30
Saturday, August 27	8:00-17:00

Internet

Free Wi-Fi service is available at the congress venue.
Username: WIP2022
Password: WIP2022Budapest

Mobile Phones

Please show consideration for speakers and other delegates by silencing your mobile phone during meetings.

Lost and Found

Any found item may be turned into the Registration Desk. Enquiries about lost items can be directed to the Registration Desk also.

Currency

The Forint (HUF), the official national currency, is convertible. The exchange rates applied in Budapest banks, official exchange offices and hotels may vary. All the major credit cards are accepted in Hungary in places displaying the emblem at the entrance.

Smoking

Smoking is not permitted in the congress venue. Smoking areas are appointed outside the venue.

Tipping

Service charges are not always added automatically to accounts by hotels and restaurants, please check the menu or ask the staff if you are not sure. You may tip taxi drivers, hotel porters and restaurant waitstaff (up to about 10% of the bill) if you wish to acknowledge exceptional service. At any time, tipping is your choice.

Emergency Details

In an emergency call 112 for Ambulance, Fire Service or Police.

Pharmacies

Budapest's pharmacies ("gyógyszertár" in Hungarian) are well stocked and can provide medicaments for most common ailments. Each of the 23 districts has an all-night pharmacy open every day, a sign on the door of any pharmacy will help you locate the closest one.

Congress Secretariat

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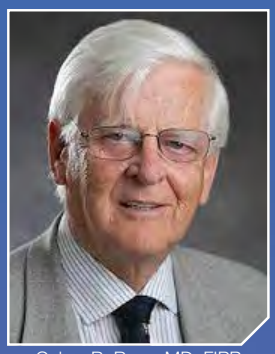
XI. WORLD CONGRESS OF WORLD INSTITUTE OF PAIN

Innovation in Pain Management

Budapest, Hungary, August 25-27, 2022

MEET THE FACULTY



Gabor B. Racz, MD, FIPP
Chair of WIP2022 Budapest

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President, World Institute of Pain

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Alexandr Feoktistov, MD

Kenneth P. Finn, MD

Juan Carlos Flores, MD, FIPP, CIPS

Loic Fonkoue, MD

Ira Fox, MD, FIPP

Ludger Gerdesmeyer, MD, PhD, FIPP

Jatinder Gill, MD

Christopher Gilligan, MD, FIPP

Jeffrey Gudin, MD

Mayank Gupta, MD

Mirko Gutzmann, MD

Jennifer Hah, MD, CIPS

Dominic Hegarty, MD, PhD, FIPP

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Kris Vissers, MD, PhD, FIPP

Tony Yaksh, PhD

Oya Yalcin Cok, MD

DAY1 - Thursday, August 25, 2022

Day 1	Plenary Hall	Sinkovits Room	Makovecz Room	Northern Meeting Room	Semmelweis University
09:00-10:30	Topical Session 1	Topical Session 2	FIPP Preparatory Course 1	CIPS Preparatory Course 1	
10.30-11.00	Coffee Break & E-posters - Exhibition Area				
11:00-11:30	Opening Ceremony				
11:30-12:00	Plenary Lecture 1				
12:00-12:30	James Heavner Special Lecture				
12:30-14:00	Lunch Break / Lunch Symposium - Marriott Budapest				
14:00-15:30	Topical Session 5	Topical Session 4	Topical Session 3	Masterclass 1	14:00-18:00 University Lab
15:30-16:00	Coffee Break & E-posters - Exhibition Area				
16:00-17:30	Topical Session 6	Topical Session 7	Allied Health Professional	Masterclass 2	
17:30-19:30	Welcome Reception - Exhibition Area				

DAY2 - Friday, August 26, 2022

Day 2	Plenary Hall	Sinkovits Room	Makovecz Room	Northern Meeting Room	Semmelweis University
07:00-07:50			Breakfast Symposium		
08:00-09:30	Topical Session 8	FIPP Preparatory Course 2	CIPS Preparatory Course 1	Masterclass 3	
09:30-10:00	Coffee Break & E-posters - Exhibition Area				
10:00-10:30	Plenary Lecture 2				
10:30-11:00	Plenary Lecture 3				
11:00-11:30	Plenary Lecture 4				
11:30-12:00	Prithvi Raj Special Lecture				
12:15-13:00	Lunch Break / Lunch Symposium - Plenary Hall				
12:15-14:00	Lunch Break / Lunch Symposium - Marriott Budapest				
14:00-15:30	Topical Session 10	Topical Session 9	FIPP Preparatory Course 3	Masterclass 4	14:00-18:00 University Lab
15:30-16:00	Coffee Break & E-posters - Exhibition Area				
16:00-17:30	Topical Session 12	Topical Session 13	Topical Session 11	FIPP Preparatory Course 4	
19:30-22:30	Gala Dinner with Award Ceremony - Museum of Fine Arts				

DAY3 - Saturday, August 27, 2022

Day 3	Plenary Hall	Sinkovits Room	Makovecz Room	Northern Meeting Room	Semmelweis University
07:00-07:50			Breakfast Symposium		
08:00-09:30	Topical Session 16	Topical Session 15	Ultrasound Session	Topical Session 14	8:00-12:00 University Lab
09:30-10:00	Coffee Break & E-posters - Exhibition Area				
10:00-10:30	Plenary Lecture 5				
10:30-11:00	Plenary Lecture 6				
11:00-11:30	John Bonica Special Lecture				
11:30-12:00	Gabor Racz Special Lecture				
12:00-13:30	Lunch Break				
13:30-15:00	Topical Session 17	Topical Session 18	Topical Session 19	Topical Session 20	14:00-18:00 University Lab
15:00-15:30	Coffee Break & E-posters - Exhibition Area				
15:30-17:00	Topical Session 21	Topical Session 22	Topical Session 24	Topical Session 23	

PROGRAM

Thursday, August 25, 2022 – Day 1

9:00-10:30

Plenary Hall
Topical Session 1: **NEUROMODULATION FOR NON-NEURALGIC SYMPTOMS**
Moderator: Peter Staats, MD, FIPP (USA)

Cluster Headache Update
Alexandr Feoktistov, MD (USA)

Neuromodulation for Non-Painful Neurologic Disorders
Mayank Gupta, MD (USA)

Neuromodulation for Inflammation
Peter Staats, MD, FIPP (USA)

9:00-10:30

Sinkovits Room
Topical Session 2: **STRATEGIES FOR MANAGING BACK PAIN: A DEBATE**
Moderator: Miles Day, MD, FIPP (USA)

Neurosurgery
Lorand Eross, MD, PhD, FIPP (Hungary)

IPM
Fabricio Dias Assis, MD, FIPP (Brazil)

Ortho Spine
Ludger Gerdesmeyer, MD, PhD, FIPP (Germany)

Medical Management
Jeffrey Gudin, MD (USA)

Neuromodulation
Christopher Gilligan, MD, FIPP (USA)

9:00-10:30

Makovecz Room
FIPP Preparatory Course 1
Moderator: Kris Vissers, MD, PhD, FIPP (The Netherlands)

Studying for the Exam (incl. Radiation Safety)
Monique Steegers, MD, PhD, FIPP (The Netherlands)

SPG/Trigeminal
Serdar Erdine, MD, FIPP (Turkey)

Management of Cervical and Radicular Pain
Dominic Hegarty, MD, FIPP (Ireland)

Thursday, August 25, 2022 – Day 1

9:00-10:30

Northern Meeting Room
CIPS Preparatory Course 1 – **LIVE MODEL ULTRASOUND DEMONSTRATION**
Moderator: Andre Mansano, MD, FIPP, CIPS (Brazil)

Ultrasound Anatomy and Procedures – Lumbar Spine
Andre Mansano, MD, FIPP, CIPS (Brazil)

Ultrasound Anatomy and Procedures – Thoracic Spine
Christ Declerck, MD, FIPP, CIPS (Belgium)

Ultrasound Anatomy and Procedures – Cervical Spine
Live model scanning
Agnes Stogicza, MD, FIPP, CIPS (Hungary)

Ultrasound Anatomy and Procedures – Shoulder Joint
Live model scanning
George Chang-Chien, MD, CIPS (USA)

10:30-11:00

Exhibition area
Coffee break / E-Poster Session

11:00-11:30

Plenary Hall
Opening Ceremony

11:30-12:00

Plenary Hall
Plenary Lecture 1
Moderators: Agnes Stogicza, MD, FIPP, CIPS (Hungary)

SCS Beyond Pain Therapy
Lorand Eross, MD, PhD, FIPP (Hungary)

12:00-12:30

Plenary Hall
James Heavner Special Lecture
Moderators: Agnes Stogicza, MD, FIPP, CIPS (Hungary)

Neuraxial Drug Delivery: The Way Ahead
Tony Yaksh, PhD (USA)

12:30-14:00

Lunch break

12:30-14:00

Marriott Budapest
LUNCH SYMPOSIUM
Sponsored – detailed program on page 55
No CME Credit Hours are available for this Session.
Limited seats are available.

Thursday, August 25, 2022 – Day 1

14:00-15:30

Plenary Hall
Topical Session 5: **REGENERATIVE MEDICINE**
Moderator: Ricardo Ruiz-Lopez, MD, FIPP (Spain)

Spine
Ricardo Ruiz-Lopez, MD, FIPP (Spain)

Intradiscal Injections of PRP
Sudhir Diwan, MD, FIPP (USA)

Release-regenerate Coupling (R2C): the Synergistic Fibrolysis Release-regenerate Coupling (R2C): the Synergistic Fibrolysis
Jen-Li Pan, MD, CIPS (Taiwan)

14:00-15:30

Sinkovits Room
Topical Session 4: **INTRASPINAL DRUG DELIVERY WORKSHOP**
Moderator: Tony Yaksh, PhD (USA)

Pharmacology
Tony Yaksh, PhD (USA)

Practical Applications
Samer Narouze, MD, FIPP (USA)

Clinical Guidelines
Richard Rauck, MD, FIPP (USA)

14:00-15:30

Makovecz Room
Topical Session 3: **UPDATE ON OPIOID THERAPY**
Moderator: Ira Fox, MD FIPP (USA)

State-of-the-Art of Opioid Therapy and Projections
Jeffrey Gudin, MD (USA)

Best Practices Task Force
Ira Fox, MD, FIPP (USA)

Reevaluating Opioid Strategy in IPM
Nilesh Patel, MD, FIPP (USA)

14:00-15:30

Northern Meeting Room
Masterclass 1
Moderator: Douglas Beall, MD, FIPP (USA)

Basilovertebral Ablation
Douglas Beall, MD, FIPP (USA)

Vertebral Augmentation
Douglas Beall, MD, FIPP (USA)

Osteo-/Sacro-/Femuroplasty
Ricardo Sanchez Plancarte, MD, PhD, FIPP (Mexico)

Thursday, August 25, 2022 – Day 1

14:00-18:00

Semmelweis University
University Lab: **Hands-on FIPP/CIPS Workshop (FULLY BOOKED)**

FIPP procedures:

Head and Neck: **Stellate Ganglion block / Cervical Facet block**

Thoracic: **Thoracic Facet block / Intercostal Nerve block**

Lumbar: **Lumbar Sympathetic block / Lumbar Selective Nerve Root Block / Lumbar Facet block**

Pelvic: **Sacroiliac Joint Injection / RF – Sacroiliac Joint**

CIPS procedures:

Spine: **Thoracic facet joint block / Lumbar medial branch/facet joint block / Caudal Epidural Injection / Cervical Facet block**

MSK Joint: **AC joint / Hip joint injection / Knee joint injection / Tibiotalar joint injection**

Peripheral Nerves: **Ulnar nerve at cubital canal**

MSK Soft Tissue: **Bicep tendon / Subdeltoid bursa / Medial or lateral epicondyle injection / fenestration / Piriformis / Trochanteric bursa**

15:30-16:00

Exhibition area
Coffee break / E-Poster Session

16:00-17:30

Plenary Hall
Topical Session 6: **EVOKED COMPOUND ACTION POTENTIALS (ECAPS) IN SPINAL CORD STIMULATION (SCS) – BASIC SCIENCE, CLINICAL EVIDENCE, AND COST-EFFECTIVENESS**
Moderator: Robert Levy, MD, PhD (USA)

Mechanisms of action of spinal cord stimulation – Insight into dorsal columns neurophysiology using evoked compound action potential recordings
Robert Levy, MD, PhD (USA)

ECAP-controlled Closed-Loop SCS for the Treatment of Chronic Pain – Level 1-2 Clinical Evidence & European Real-World Experiences
Jan Willem Kallewaard, MD, PhD, FIPP (The Netherlands)

Cost-effectiveness and future opportunities for ECAP-Controlled Closed-Loop SCS
Peter Staats, MD, FIPP (USA)

16:00-17:30

Sinkovits Room
Topical Session 7: **NOVEL NEUROMODULATION STIMULATION**
Moderator: Konstantin Slavin, MD (USA)

Visceral Abdominal Pain
Leonardo Kapural, MD, PhD, FIPP (USA)

Wireless Technology
Konstantin Slavin, MD (USA)

Peripheral Nerve Stimulation
Hemant Kalia, MD, FIPP (USA)

Thursday, August 25, 2022 – Day 1

16:00-17:30

Makovecz Room
Allied Health Professional
DOES A MULTIDISCIPLINARY APPROACH FOR PATIENTS UNDERGOING NEUROMODULATION PROCEDURE ENHANCE OUTCOMES?
Moderator: Adnan Al -Kaisy, MD, FIPP (UK)

Nursing role
Karen Sanderson

Physiotherapy role
Clair Jacobs

Psychology
David Novelli

Occupational therapist
Joe Chicken

16:00-17:30

Northern Meeting Room
Masterclass 2 - **MINIMALLY INVASIVE SPINE**
Moderator: Aaron Calodney, MD, FIPP (USA)

SI Joint Fusion
Sudhir Diwan, MD, FIPP (USA)

Percutaneous Discectomy
Ricardo Ruiz-Lopez, MD, FIPP (Spain)

Intraspinal Therapeutics
Aaron Calodney, MD, FIPP (USA)

17:30-19:30

Exhibition area
Welcome Reception for all registered participants

Friday, August 26, 2022 – Day 2

7:00-7:50

Makovecz Room
BREAKFAST SYMPOSIUM
Sponsored – detailed program on page 55
No CME Credit Hours are available for this Session.

8:00-9:30

Plenary Hall
Topical Session 8: **NEUROMODULATION TRACK – TRADITIONAL WAVEFORMS 1.**
Moderator: Alaa Abd-Elsayed, MD (USA)

Burst Frequency and Advanced Waveforms
Dirk De Ridder, MD (New Zealand)

Pulsed Stimulation Waveforms
Alaa Abd-Elsayed, MD (USA)

High Frequency Stimulation
Jose De Andres, MD, FIPP (Spain)

Friday, August 26, 2022 – Day 2

8:00-9:30

Sinkovits Room
FIPP Preparatory Course 2
Moderator: Fabrico Dias Assis, MD, FIPP (Brazil)

Thoracic Facet/Intercostals
Fabricio Dias Assis, MD, FIPP (Brazil)

T2 Sympathetic/Stellate Ganglion
Agnes Stogicza, MD, FIPP, CIPS (Hungary)

Q&A Overview
Monique Steegers, MD, PhD, FIPP (The Netherlands)
& Kris Vissers, MD, PhD, FIPP (The Netherlands)

8:00-9:30

Makovecz Room
CIPS Preparatory Course 2 – **LIVE MODEL ULTRASOUND DEMONSTRATION**
Moderator: George Chang-Chien, DO, CIPS (USA)

Ultrasound Anatomy and Procedures – Knee /Ankle
Jennifer Hah, MD, CIPS (USA)

Ultrasound Anatomy and Procedures – Hip
Jen-Li Pan, MD, CIPS (Taiwan)

Live model scanning knee
Jennifer Hah, MD, CIPS (USA)

Live model scanning hip
Jen-Li Pan, MD, CIPS (Taiwan)

ROUND TABLE DISCUSSION – HIP AND KNEE PAIN

Hip: 3 most common diagnoses, treatment approaches 10min
George Chang-Chien, DO, CIPS (USA)

Hip denervation 10min
Maria Luz-Padilla, MD, FIPP, CIPS (Spain)

Knee: 3 most common diagnoses, treatment approaches 10min
Jennifer Hah, MD, CIPS (USA)

Knee denervation 10min
Andre Mansano, MD, FIPP, CIPS (Brazil)

Discussion 10min

8:00-9:30

Northern Meeting Room
Masterclass 3
Moderator: Mert Akbas, MD, FIPP (Turkey)

RF of the Shoulder
Maxim Eckmann, MD (USA)

Spinal Endoscopy
Ovidiu Palea, MD, FIPP (Romania)

Percutaneous Cordotomy
Mert Akbas, MD, FIPP (Turkey)

9:30-10:00 Coffee break / E-Poster Session / Product Theater

Friday, August 26, 2022 – Day 2

10:00-10:30

Plenary Hall
Plenary Lecture 2
Moderator: Robert Levy, MD. PhD (USA)

Recent Advances in Electrical Neuromodulation: Combined Spinal Cord and Dorsal Root Ganglion Stimulation in the Management of Refractory Neuropathic Pain
Adnan Al-Kaisy, MD, FIPP (UK)

10:30-11:00

Plenary Hall
Plenary Lecture 3
Moderator: Sean Li, MD (USA)

Leadership in Turbulent Times
James Rathmell, MD, FIPP (USA)

11:00-11:30

Plenary Hall
Plenary Lecture 4
Moderators: Kris Vissers, MD, PhD, FIPP (The Netherlands)

Future of Interventional Pain
Richard Rauck, MD, FIPP (USA)

11:30-12:00

Plenary Hall
Prithvi Raj Special Lecture
Moderators: Dominic Hegarty, MD, PhD, FIPP (Ireland)

Impact of Ultrasound in Pain Intervention
Philip Peng, MBBS, FRCPC (Canada)

12:15-14:00 Lunch break

12:15-14:00

Marriott Budapest
LUNCH SYMPOSIUM
Sponsored – detailed program on page 55
No CME Credit Hours are available for this Session.
Limited seats are available.

12:15-13:00

Plenary Hall
LUNCH SYMPOSIUM
Sponsored – detailed program on page 55
No CME Credit Hours are available for this Session.
Limited seats are available.

14:00-15:30

Plenary Hall
Topical Session 10: **NEUROMODULATION TRACK – TRADITIONAL WAVEFORMS 2.**
Moderator: Robert Levy, MD, PhD (USA)

Multiwave Technology
Timothy Deer, MD, FIPP (USA)

Modulation of Glial Cells with Novel Waveforms
Ricardo Vallejo, MD, FIPP (USA)

Closed Loop Stimulation
Robert Levy, MD, PhD (USA)

Friday, August 26, 2022 – Day 2

14:00-15:30

Sinkovits Room
Topical Session 9: **COMBATTING STAGNATION: THE FUTURE OF INTERVENTIONAL PAIN PRACTICE – ROUNDTABLE DISCUSSION**
Moderator: Miles Day, MD, FIPP (USA)

Roundtable Members: Serdar Erdine, MD, FIPP (Turkey), Peter Staats, MD, FIPP (USA), Dominic Hegarty, MD, PhD, FIPP (Ireland), Milan Stojanovic, MD, FIPP (USA)

14:00-15:30

Makovecz Room
FIPP Preparatory Course 3
Moderator: Kris Vissers, MD, PhD, FIPP (The Netherlands)

Lumbar Discography
Lucian Macrea, MD, FIPP (Switzerland)

Epidural Lysis of Adhesions
Gabor B. Racz, MD, FIPP (USA)

Thoracic/Lumbar Sympathetic
Andre Mansano, MD, FIPP, CIPS (Brazil)

14:00-15:30

Northern Meeting Room
Masterclass 4
Moderator: Ricardo Ruiz-Lopez, MD, FIPP (Spain)

PILD
Sean Li, MD (USA)

Percutaneous Lumbar Extraforaminotomy +/- RF
Ricardo Ruiz-Lopez, MD, FIPP (Spain)

Novel Spacer Technology
Douglas Beall, MD, FIPP (USA)

14:00-18:00

Semmelweis University
University Lab: **Hands-on FIPP/CIPS Workshop (FULLY BOOKED)**

FIPP procedures:

Head and Neck: **Sphenopalatine Ganglion block / Trigeminal Gangliolysis (RF/Chemical) / Midline Interlaminar Cervical Epidural**

Thoracic: **T2, T3 Sympathetic block / Splanchnic Nerve block / Thoracic Spinal Cord Lead Placement**

Lumbar: **Lumbar Discography**

Pelvic: **Hypogastric Plexus block / Caudal Neuroplasty**

CIPS procedures:

Spine: **Cervical medial branch block / Cervical selective nerve root block**

MSK Joint: **Glenohumeral Joint (any approach)**

Peripheral Nerves: **Suprascapular nerve / Ilioinguinal/iliohypogastric nerve / Lateral femoral cutaneous block / Pudendal nerve**

Denervation: **Hip denervation / Knee denervation / Shoulder denervation**

Friday, August 26, 2022 – Day 2

15:30-16:00 Coffee break / E-Poster Session

16:00-17:30

Plenary Hall
Topical Session 12: **NEUROMODULATION NOVEL TARGETS**
Moderator: Christopher Gilligan, MD, FIPP (USA)

DRG Stimulation
Kenneth Chapman, MD, FIPP (USA)

Multifidius Stimulation
Christopher Gilligan, MD, FIPP (USA)

Peripheral Nerve Stimulation
Sean Li, MD (USA)

16:00-17:30

Sinkovits Room
Topical Session 13: **FACETOGENIC LOW BACK PAIN – A REAL LIFE UPDATE**
Moderator: Jan Van Zundert, MD, FIPP (Belgium)

Different RF Neurotomy Techniques: Is there a real difference?
Javier De Andres, MD, FIPP (Spain)

Development of the Guideline Questions, Methodology, and Patient Selection
Steven Cohen, MD (USA)

Cutoff for a Positive Block, Need for Sedation, and MBB vs. Intra-articular injections?
Jan Van Zundert, MD, FIPP (Belgium)

How Many Blocks, What Volume(s) for Blocks, Use of Sensory and Motor Simulation before RF Ablation
Jee Youn Moon, MD, PhD, FIPP, CIPS (South Korea)

16:00-17:30

Makovecz Room
Topical Session 11: **MANAGEMENT OF COMPLICATIONS**
Moderator: Serdar Erdine, MD, FIPP (Turkey)

Avoidance of Complications
Serdar Erdine, MD, FIPP (Turkey)

Interpretation of Fluoroscopic Imaging
Milan Stojanovic, MD, FIPP (USA)

Anticoagulants
Carl Noe, MD, FIPP (USA)

When Bad Stuff Happens Who You Gonna Call?
Gabor B. Racz, MD, FIPP (USA)

Friday, August 26, 2022 – Day 2

16:00-17:30

Northern Meeting Room
FIPP Preparatory Course 4
Moderator: Adnan Al-Kaisy, MD, FIPP (UK)

SNRB/SI Joint
TCT Novy, MD, FIPP, CIPS (Indonesia)

Hypogastric Plexus/Sacral Nerve Root
Ricardo Sanchez Plancarte, MD, PhD, FIPP (Mexico)

SCS
Adnan Al-Kaisy, MD, FIPP (UK)

19:30-22:30

Museum of Fine Arts
Gala Dinner with Award Ceremony (optional)

Saturday, August 27, 2022 – Day 3

7:00-7:50

Makovecz Room
BREAKFAST SYMPOSIUM
Sponsored – detailed program on page 55
No CME Credit Hours are available for this Session.

8:00-9:30

Plenary Hall
Topical Session 16: **CUTTING EDGE TOPICS IN PAIN MEDICINE**
Moderator: Jeffrey Gudin, MD (USA)

Direct Vision of Neural Blockade
Robert Van Seventer, MD, PhD (The Netherlands)

Topical Analgesic Device Therapies
Jeffrey Gudin, MD (USA)

Topical Analgesic Drug Therapies: Trpv1 Receptor Modulators and Beyond
David Reece, MD (USA)

8:00-9:30

Sinkovits Room
Topical Session 15: **NEW CARE PARADIGMS IN SCS**
Moderator: Timothy Deer, MD, FIPP (USA)

Remote Monitoring of SCS Systems
Timothy Deer, MD, FIPP (USA)

History and Evolution of Waveforms
Alaa Abd-Elsayed, MD (USA)

Multiple Targets and Frequencies in SCS
Harold Cordner, MD, FIPP (USA)

Saturday, August 27, 2022 – Day 3

8:00-9:30

Makovecz Room
ULTRASOUND SESSION – **LIVE MODEL ULTRASOUND DEMONSTRATION**
Moderator: Philip Peng, MBBS, FRCPC (Canada)

Technical Innovations of Ultrasonography in Osteoarticular Chronic Pain 15min
Chih Peng Lin, MD, FIPP, CIPS (Taiwan)

Cryoablation Applications, what Is new for shoulder pain? 15min
Agnes Stogicza, MD, FIPP, CIPS (Hungary)

Live model scanning knee
Agnes Stogicza, Philip Peng

ROUND TABLE DISCUSSION

3 most commonly encountered low back conditions and regenerative treatment
Sudhir Diwan, MD, FIPP (USA)

Regenerative approach to common knee conditions
Annu Navani, MD (USA)

Regenerative Medicine. What is the evidence?
Agnes Stogicza, MD, FIPP, CIPS (Hungary)

Disc PRP, and its role in LBP treatment
Aaron Calodney, MD, FIPP (USA)

8:00-9:30

Northern Meeting Room
Topical Session 14: **A RADIOFREQUENCY TREATMENT OF THE KNEE, HIP & SHOULDER NERVES AS TREATMENT FOR CHRONIC PAIN DUE TO OSTEOARTHRITIS: FROM ANATOMY TO INTERVENTION**
Moderator: Thibaut Vanneste, MD, FIPP (Belgium)

Effectiveness of non-operative management of knee osteoarthritis
Thibaut Vanneste, MD, FIPP (Belgium)

Genicular nerve anatomy: accuracy of anatomical landmarks
Loic Fonkoue, MD (Belgium)

A technological overview of cooled radiofrequency
Leonardo Kapural, MD, PhD, FIPP (USA)

8:00-12:00

Semmelweis University
University Lab: **Hands-on FIPP Workshop**

9:30-10:00

Exhibition area
Coffee break / E-Poster Session

10:00-10:30

Plenary Hall
Plenary Lecture 5 – **LATE BREAKING ABSTRACTS / TOP ABSTRACTS**
Moderator: Miles Day, MD, FIPP (USA)

Saturday, August 27, 2022 – Day 3

10:30-11:00

Plenary Hall
Plenary Lecture 6
Moderator: Serdar Erdine, MD, FIPP (Turkey)

Dorsal Root Ganglion as a Target
Marshall Devor, PhD, FIPP, (Hon) (Israel)

11:00-11:30

Plenary Hall
John Bonica Special Lecture
Moderator: Ricardo Ruiz-Lopez, MD, FIPP (Spain)

Regenerative Medicine
Philippe Hernigou, MD, FIPP (France)

11:30-12:00

Plenary Hall
Gabor Racz Special Lecture
Moderators: Gabor B. Racz, MD, FIPP (USA)

Reconceptualizing Chronic Pain
Douglas Beall, MD, FIPP (USA)

12:00-13:30 Lunch break

13:30-15:00

Plenary Hall
Topical Session 17: **A DYNAMIC QUALITY MANAGEMENT-BASED MODULAR APPROACH FOR PERSISTENT TO "CHRONIC PAIN"**
Moderator: Philippe Mavrocordatos, MD, FIPP (Switzerland)

Philippe Mavrocordatos, MD, FIPP (Switzerland),
Mirko Gutzmann, MD (Switzerland)
Lorinde Huard, MD (Switzerland)

13:30-15:00

Sinkovits Room
Topical Session 18: **EVOLVING TOPICS IN PAIN MANAGEMENT**
Moderator: Dominic Hegarty, MD, PhD, FIPP (Ireland)

Cannabinoids
Kenneth P. Finn, MD (USA)

Denervation techniques in management of sacroiliac joint pain
Robert Rapcan, MD, FIPP (Slovakia)

The Role of QST in the Diagnosis of Peripheral Neuropathy
Dominic Hegarty, MD, PhD, FIPP (Ireland)

Spine nomenclature-time to standardize
Jatinder Gill, MD, FIPP (USA)

Saturday, August 27, 2022 – Day 3

13:30-15:00

Makovecz Room
Topical Session 19: **POSTOPERATIVE CHRONIC PAIN AND COMPLICATION IN PAIN MEDICINE**
Moderator: Oya Yalcin Cok, MD (Turkey)

Optimal Management of Persistent Post-Surgical Pain and Opioid Use after Surgery
Jennifer Hah, MD, CIPS (USA)

Deep Spinal Infection after Epidural Injections: What we should be aware of?
Jee Youn Moon, MD, PhD, FIPP, CIPS (South Korea)

Persistent Post-Surgical Pain (PPSP); How to prevent it?
Oya Yalcin Cok, MD (Turkey)

13:30-15:00

Northern Meeting Room
Topical Session 20: **COVID FOR THE PAIN PHYSICIAN**
Moderator: Peter Staats, MD, FIPP (USA)

Airflow/Melatonin
Juan Carlos Flores, MD, FIPP, CIPS (Argentina)

IPM in the Treatment of Covid Syndromes
Peter Staats, MD, FIPP (USA)

Long-Covid Pain Syndromes
Annu Navani, MD (USA)

14:00-18:00

Semmelweis University
University Lab: **HANDS-ON MASTERCLASS WORKSHOP**

Procedures:

Femoroplasty/ Humeroplasty / Vertebral Augmentation
Peripheral Nerve Stim / Drg Stimulation

15:00-15:30

Exhibition area
Coffee break / E-Poster Session

15:30-17:00

Plenary Hall
Topical Session 21: **TREATMENT OF COMPLEX HEADACHE AND FACIAL PAIN**
Moderator: Miles Day, MD, FIPP (USA)

Trigeminal Neuralgia
Serdar Erdine, MD, FIPP (Turkey)

Persistent Idiopathic Facial Pain
Miles Day, MD, FIPP (USA)

Neuromodulation for Facial Pain
Konstantin Slavin, MD (USA)

Saturday, August 27, 2022 – Day 3

15:30-17:00

Sinkovits Room
Topical Session 22: **COMPLEX PAIN SYNDROMES – WHAT IS NEW?**
Moderator:

CRPS
Kiran Patel, MD (USA)

Pelvic Pain
Shalini Shah, MD (USA)

15:30-17:00

Makovecz Room
Topical Session 24: **EVIDENCE-BASED CANCER PAIN MANAGEMENT AND COMPLICATIONS**
Moderator: Kris Vissers, MD, PhD, FIPP (The Netherlands)

Strategies to improve clinical EBM recommendations for cancer pain
Kris Vissers, MD, PhD, FIPP (The Netherlands)

Clinical EBM recommendation: the case of hypogastric blockade where are we?
Ricardo Sanchez Plancarte, MD, PhD, FIPP (Mexico)

Clinical EBM recommendation: Vertebroplasty and Kyphoplasty where are we?
Carolina Hernandez-Porras, MD, FIPP, CIPS (Mexico)

15:30-17:00

Northern Meeting Room
Topical Session 23: **PUBLICATION SKILLS SESSION**
Moderator: Christopher Gilligan, MD, FIPP (USA)

Robert Levy, MD, PhD (USA)
Milan Stojanovic, MD, FIPP (USA)
Bert Joosten, MD (The Netherlands)

Posters

POSTER SESSION 1 - 10:30-11:00, THURSDAY, AUGUST 25

STATION 1 – NEUROMODULATION

Chair: Adnan Al-Kaisy, MD, FIPP (UK)

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TRANSGRADE MULTIMODAL NEUROMODULATION OF DORSAL ROOT GANGLION ENSEMBLE FOR REFRACTORY NEUROPATHIC PAIN: DRAGON STUDY

Adnan Al-Kaisy[1], David Pang[2], Jonathan Royds[2], Stefano Palmisani[2], Cormac Mullins[2], Joseph Palumbo[2], Karen Sanderson[2], Samuel Wesley[3], Stephen Ward[2], Thomas Yearwood[2]

[1]Guys and St Thomas' NHS Foundation Trust, Pain & Neuromodulation Academic Research Centre, Ljubljana, United Kingdom
[2]Guys and St Thomas' NHS Foundation Trust, Pain & Neuromodulation Academic Research Centre, London, United Kingdom
[3]Guys and St Thomas' NHS Foundation Trust, Pain & Neuromodulation Academic Research Centre, London, United Kingdom

P-059

LONG-TERM RESULTS: OF HIGH-FREQUENCY SPINAL CORD STIMULATION (HF10-THERAPY) IN PATIENTS WITH PERSISTENT SPINAL PAIN SYNDROME: A RETROSPECTIVE STUDY

Barbara Persoons[1], Klaas Buyse[2], Martine Puylaert[2], Jan Van Zundert[1], Koen Van Boxem[2]

[1]Ziekenhuis Oost-Limburg, Anesthesia and Pain Management, Genk, Belgium
[2]Ziekenhuis Oost-Limburg, Anaesthesiology, Pain Management and Critical Care, Genk, Belgium

P-014

LONG-TERM CHRONIC PAIN-RELIEF OUTCOMES USING AN SCS SYSTEM CAPABLE OF COMBINATION THERAPY

Clark Metzger[1], James North[2], Blake Hammond[1], Stephen Pyles[3], Edward Washabaugh[4], Anthony Berg[5], Romanth Waghmarae[6], Yu Pei[7], Roshini Jain[7]

[1]West Florida Orthopaedics and Spine Surgery, Interventional Spine & Pain, Pensacola, USA
[2]Carolinas Pain Institute, Pain Management, Winston-Salem, USA
[3]Pain Treatment Centers, Pain Management, Ocala, USA
[4]Forest Health Medical Center, Anesthesiology and Pain Medicine, Ypsilanti, USA
[5]Spine Team Texas, Pain Management, Rockwall, USA
[6]Advanced Pain and Wellness Institute, Pain Management, Williamsville, USA
[7]Boston Scientific Neuromodulation, Clinical, Valencia, USA

P-091

SPINAL CORD STIMULATION WITH ADDITIONAL PERIPHERAL NERVE FIELD STIMULATION VERSUS SPINAL CORD STIMULATION ALONE ON BACK PAIN AND QUALITY OF LIFE IN PATIENTS WITH FAILED BACK SURGERY SYNDROME

Esther Van Heteren

Radboud University Medical Center, Anaesthesiology and Pain Management, Nijmegen, The Netherlands

P-063

A RANDOMIZED CONTROLLED CLINICAL TRIAL COMPARING THE EFFECTS OF DIFFERENTIAL TARGET MULTIPLEXED SCS AND TRADITIONAL SCS IN TREATING INTRACTABLE CHRONIC LOW BACK AND LEG PAIN

Michael Fishman[1], Harold Cordner[2], Rafael Justiz[3], David Provenzano [4], Binit Shah[5], Christopher Merrell[6], Julian Naranjo[7], Francesco Riillo[8], Ricardo Vallejo[9], David L. Cedeño[9]

[1]Center for Interventional Pain & Spine, Exton, USA
[2]Florida Pain Management Specialists, Sebastian, USA
[3]Oklahoma Pain Physicians, Oklahoma City, USA
[4]Pain Diagnostics and Interventional Care, Sewickley, USA
[5]Carolinas Pain Center, Huntersville, USA
[6]Low Country Orthopaedics, Charleston, USA
[7]South Florida Clinical Research, South Florida, USA
[8]Medtronic, Rome, Italy
[9]SGX Medical, Bloomington, USA

POSTER SESSION 1 - 10:30-11:00, THURSDAY, AUGUST 25

STATION 2 – NEUROPATHIC PAIN

Chair: Andre Mansano, MD, FIPP, CIPS (Brazil)

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BOTULINUM TOXIN AS TREATMENT FOR TRIGEMINAL NEUROPATHIC PAIN FOLLOWING STEREOTACTIC RADIOSURGERY FOR TRIGEMINAL NEURALGIA

Igor Lima[1], Christy Gomez Hupe[2], Konstantin Slavin[2]

[1]Brazilian Army, Neurosurgery Department, Rio de Janeiro, Brazil
[2]University of Illinois at Chicago, Neurosurgery Department, Chicago, USA

P-096

THERAPEUTIC EFFECT OF TYPE A BOTULINUM TOXIN IN A PATIENT WITH PHANTOM LIMB SYNDROME (ELBOW DEARTICULATION) REFRACTORY TO CONVENTIONAL TREATMENT

Jorge Hernan Calle Ochoa[1], Iris Violeta De la Rocha Vedia[2], Angel Estuardo Plasencia Ezaine[2], Marco Aurelio Ramirez Huaranga[2], Maria Dolores Ruiz de Castañeda Zamora[1], Maruja Fernandez Ordoñez[1], Rocio Arenal Lopez[2], Maria Luis Mendez Leo[2], Miguel Angel Puebla[2], Tatiana Castellar Cuesta Cabezas[1]

[1]Hospital General Universitario de Ciudad Real, Anaesthesiology, Pain Management and Critical Care, Ciudad Real, Spain
[2]Hospital General Universitario de Ciudad Real, PAIN UNIT, Ciudad Real, Spain

P-133

NEW TRIGEMINAL NEUROMODULATION TECHNIQUE WITH DORSAL ROOT GANGLION STIMULATION ELECTRODE AND MAXILLARY FIXATION: CASE REPORT

Andre Mansano, Thiago Frederico, Sergio Miranda, Adonai Chein

Hospital Israelita Albert Einstein, Pain Management, São Paulo, Brazil

POSTER SESSION 1 - 10:30-11:00, THURSDAY, AUGUST 25

STATION 3 – CANCER

Chair: Carolina Hernandes Porras, MD, FIPP, CIPS (Mexico)

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CHARACTERISTICS OF PAIN SYNDROME IN RECTAL CANCER

Olga Smirnova

Research Institute of Medical Problems of the North - a separate subdivision of the FRC KSC SB RAS, Laboratory of clinical pathophysiology, Krasnoyarsk, Russia

P-105

ASSOCIATION OF SELF-REPORTED PAIN WITH CYTOKINES IN PATIENTS WITH PROSTATE CANCER

Olga Smirnova[1], Eduard Kasparov[2], Ekaterina Alymova[1]

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P-106

PATHOPHYSIOLOGY OF BONE PAIN IN MULTIPLE MYELOMA

Olga Smirnova

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P-107

CHARACTERISTICS OF PAIN SYNDROME IN MULTIPLE MYELOMA

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POSTER SESSION 1 - 10:30-11:00, THURSDAY, AUGUST 25

STATION 4 – LBP

Chair: Dougless Beall, MD, FIPP (USA)

P-018

ALIF (ADHESIOLYSIS BY LOW DEXTROSE INJECTION THROUGH FOUR IN ONE PROLOTHERAPY TECHNIQUE) FOR FROZEN SHOULDER TREATMENT: NEW ULTRASOUND-GUIDED TECHNIQUE

Alif Noeriyanto Rahman[1], Herry Herman[2], Carli Carli[3]

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[3]INS, Occupational Medicine, DKI Jakarta, Indonesia

P-068

HYDROGEL AUGMENTATION OF THE LUMBAR INTERVERTEBRAL DISC: AN EARLY FEASIBILITY STUDY OF A TREATMENT FOR DISCOGENIC LOW BACK PAIN

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[4]Clinical Radiology of Oklahoma, Interventional Spine & Pain, Edmond, USA

P-074

VIABLE DISC ALLOGRAFT SUPPLEMENTATION IN PATIENTS WITH CHRONIC LOW BACK PAIN (VAST TRIAL): INTERIM 24-MONTH RESULTS: OF AN OPEN-LABEL EXTENSION STUDY

Douglas Beall[1], Tyler Phillips[2], Timothy Davis[3], Kasra Amirdelfan[4], Corey Hunter[5], Steven Gershon[6], Meredith Langhorst[7], Michael Depalma[8]

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P-065

COVID-19 RELATED WAITING LIST FOR PATIENTS WITH CHRONIC LOW BACK AND LEG PAIN: TRIAGE TOOL FOR EARLY SCS REFERRAL – AN ONGOING STUDY

Ferdinand Bastiaens[1], Miranda Van Hooff[1], Ivar Bruaset[2], Els Van den Eede[2], Natasja Maandag[3], Jessica Wegener[3], Kris Vissers[4]

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P-052

EFFICACY OF RADIOFREQUENCY DENERVATION ON REDUCTION IN DROPOUT DURING A STANDARDIZED EXERCISE PROGRAM AMONG PATIENTS WITH LOW BACK PAIN: A RETROSPECTIVE STUDY

Ruben Schreurs[1], Peter Hallet[2], Jan Van Zundert[3], Koen Van Boxem[3]

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POSTER SESSION 1 - 10:30-11:00, THURSDAY, AUGUST 25

STATION 5 – OTHERS

Chair: Dominic Hegarty, MD, PhD, FIPP (Ireland)

P-069

NON-INVASIVE BIOELECTRONIC TREATMENT CAN REDUCE AND MAINTAIN PAIN RELIEF IN CHRONIC MUSCULOSKELETAL PAIN

Dominic Hegarty

Consultant in Pain Management & Neuromodulation, Mater Private Hospital, Cork, Ireland

P-031

FROZEN SHOULDER IN FREEZING PHASE: CORACOHUMERAL LIGAMENT AND CHANGE AFTER INTRA-ARTICULAR INJECTION: PILOT STUDY

Joon Shik Yoon[1], Junhee Lee[2], Ha Mok Jeong[2]

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P-078

POCKET PAIN IN NEUROMODULATION, A THOUGH NUT TO CRACK

Wout Van Oosterwyck, Stephany Harris, Cormac Mullins, Stefano Palmisani, David Pang, Thomas Yearwood, Jonathan Royds, Thomas Smith, Adnan Al-Kaisy

Guys and St Thomas' NHS Foundation Trust, Chronic Pain Management Unit, London, United Kingdom

P-001

HOW TO TREAT LOW BACK PAIN: SIMULTANEOUS, NOT MULTIDISCIPLINARY, IS THE MOST APPROPRIATE ANSWER

Tommaso Laddomada[1], Raffaella Bigi[2], Andrea Fanelli[3], Massimiliano Sacchelli[4], Michele Incerti[5], Massimo Allegri[1]

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POSTER SESSION 2 - 15:30-16:00, THURSDAY, AUGUST 25

STATION 1 – NEUROMODULATION

Chair: Peter Staats, MD, FIPP (USA)

P-039

EUROPEAN RANDOMIZED CONTROLLED TRIAL TO STUDY THE EFFECTS OF DIFFERENTIAL TARGET MULTIPLEXED SCS IN TREATING NON-SURGICAL REFRACTORY BACK PAIN

Jan Willem Kallewaard[1], Bart Billet[2], Raf Van Paesschen[3], Iris Smet[4], Agustin Mendiola[5], Isaac Pena[6], Pablo Lopez[7], Carlos Tornero[8], Xander Zuidema[9], Jan Vesper[10]

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[6]Hospital Universitario Virgen del Rocio, Sevilla, Spain
[7]Hospital Clínico Universitario de Santiago, Santiago de Compostela, Spain
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P-119

10KHZ SPINAL CORD STIMULATION (SCS) FOR NON-SURGICAL REFRACTORY BACK PAIN (NSRBP) PATIENTS: LONG-TERM DURABILITY RESULTS: FROM A MULTICENTER RCT

Leonardo Kapural[1], Naresh Patel[2], Jessica Jameson[3], Curtis Johnson[4], Daniel Kloster[5], Aaron Calodney [6], Peter Kosek[7], Julie Pilitsis[8], Markus Bendel[9], Erika Petersen[10]

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P-006

A PROSPECTIVE, MULTICENTER EVALUATION OF NOVEL FAST-ACTING SUB-PERCEPTION-BASED SPINAL CORD STIMULATION FOR CHRONIC PAIN: FAST STUDY

Magdalena Anitescu[1], Roshini Jain[2]

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P-034

ACCURATE NEURAL ACTIVATION IMPROVES LONG TERM SPINAL CORD STIMULATION CLINICAL OUTCOMES

Peter S Staats[1], Jan-Willem Kallewaard[2], Angela Leitner[3], Zhonghua Ouyang[3]

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P-035

SAFE ANALYSIS OF A NOVEL CLOSED-LOOP SPINAL CORD STIMULATION (SCS) SYSTEM COMPARED TO EXISTING OPEN-LOOP SCS SYSTEMS FOR THE TREATMENT OF CHRONIC PAIN

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POSTER SESSION 2 - 15:30-16:00, THURSDAY, AUGUST 25

STATION 2 – PROLO

Chair: Ümit Akkemik, MD (Turkey)

P-109

MICROFRAGMENTED ADIPOSE TISSUE FOR THE TREATMENT OF OSTEOARTHRITIS OF THE HIP: PRELIMINARY RESULTS

Ümit Akkemik[1], Dostali Aliyev[2], İbrahim Aşık[3]

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P-057

PROLOTHERAPY INJECTION IN PATIENT WITH TFCC INJURY: A CASE REPORT

Amien Suharti[1], Henny Angganawati[2], Fanny Aliwarga[3], Nunung Nugroho[4], Fauziah Nuraini Kurdi[5], Hafizia Asri Yusviani[1]

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P-094

PROLOTHERAPY IN GUYONS CANAL SYNDROME PATIENTS

Edli Warman[1], Alif Noeriyanto Rahman[2], Herry Herman[3]

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P-027

SUBCUTANEOUS DEXTROSE PROLOTHERAPY AS ALTERNATIVE TREATMENT FOR SPONDYLITIS TUBERCULOSIS (TB)

Alif Noeriyanto Rahman[1], Risa Indrawan[2], Eka Candra Sasmita[3], Herry Herman4, Carli Carli[5]

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P-042

PROLOTHERAPY WITH GLUCOPUNCTURE TECHNIQUE IN COMPLEX REGIONAL PAIN SYNDROME CASE FOR MALUNION FIRST METATARSAL FRACTURE

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POSTER SESSION 2 - 15:30-16:00, THURSDAY, AUGUST 25

STATION 3 – RF

Chair: Fabricio Dias Assis, MD, FIPP (Brazil)

P-015

TREATMENT OF CHRONIC KNEE PAIN USING RADIOFREQUENCY ABLATION: MULTICENTER, REAL-WORLD OBSERVATIONAL STUDY

Joseph Atallah[1], Elizabeth Russo-Stringer[2], Benjamin Lampert[3], Jameson Jessica[4], Binit Shah[5], Robert Wilson[6], Kristen Lechleiter[7], Yu Pei[7], Roshini Jain[7]

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P-005

PULSED RADIOFREQUENCY IMPROVES SHORT AND LONG -TERM CLINICAL OUTCOMES OF CHRONIC EXTRASPINAL NEUROPATHIC PAIN (7 YEARS' EXPERIENCE)

Tzvetanka Ivanova-Stoilova[1], Richard Wassall[2]

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P-125

TREATMENT OF ABDOMINAL PAIN RELATED TO CROHN'S DISEASE USING BIPOLAR RADIOFREQUENCY OF SUPERIOR HYPOGASTRIC PLEXUS: CASE REPORT

Fabricio Dias Assis, Helena Harumi Sasaki, Talita Prado Marinho Sganzerla

Singular - Pain Control Center, Campinas, Brazil

P-103

ABDOMINAL WALL HYPOTONIA AFTER PULSED RADIOFREQUENCY OF THORACOLUMBAR DORSAL ROOT GANGLION?

Rafaela Siqueira de Lucena, Pedro Andrade Filho, Bruna Nunes Fernando, Fabricio Dias Assis, Charles Amaral de Oliveira

Singular - Pain Control Center, Campinas, Brazil

P-079

EFFECT OF GENICULAR NERVES CRYONEUROLYSIS ON PAIN AND FUNCTION IN PATIENTS WITH CHRONIC KNEE PAIN: A CASE SERIES

Nicolas Rosati, Aurore Fernandez, Marc René Suter, Matthieu Cachemaille

Centre Hospitalier Universitaire Vaudois, Anesthesiology and Pain Medicine, Lausanne, Switzerland

POSTER SESSION 2 - 15:30-16:00, THURSDAY, AUGUST 25

STATION 4 – USG

Chair: Ludger Gerdesmeyer, MD, FIPP (Germany)

P-030

ULTRASOUND APPROACH FOR PIRIFORMIS ANATOMICAL LANDMARK (UNPAD) TECHNIQUE

Alif Noeriyanto Rahman[1], Herry Herman[2], Ahmad Faried[3], Sukamto Sukamto[4], Carli Carli[5]

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P-087

DUAL-TARGET SUBACROMIAL ULTRASOUND-GUIDED INJECTION FOR SHOULDER IMPINGEMENT: A CASE REPORT

Anastasia V Fanny Aliwarga[1], Amin Suharti[2], Henny Angganawati[3], Fauziah Kurdi[4], Nunung Nugroho[5], Hafizia Asri Yusviani[2], Alif Noeriyanto Rahman[6]

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P-064

EFFECTIVENESS OF ULTRASOUND - GUIDED BOTULINUM TOXIN INJECTION IN RAYNAUD'S PHENOMENON

Angel Plasencia Ezaine, Marco Aurelio Ramírez Huaranga, Iris Violeta De La Rocha Vedia, Jorge Hernán Calle Ochoa, Rocío Arenal López, María Luis Méndez Leo, Maruja Fernández Ordóñez, María Dolores Ruiz De Castañeda Zamora

Hospital General Universitario de Ciudad Real, Chronic Pain Management Unit., Ciudad Real, Spain

P-128

INTERVENTIONAL TREATMENT IN LUMBAR FACET JOINT PAIN, PMBB BY US VS FLUOROSCOPIC GUIDE

Paola Diaz

IPS Rangel Rehabilitacion, Anaesthesiology and Pain Management, Bogotá, Colombia

P-055

ULTRASOUND GUIDED BARBOTAGE AS TREATMENT SELECTION FOR ROTATOR CUFF CALCIFIC TENDINITIS: A CASE REPORT

Henny Angganawati[1], Amien Suharti[2], Fanny Aliwarga[3], Nunung Nugroho[4], Fauziah Nuraini Kurdi[5], Hafizia Asri Yusviani[2], Alif Noeriyanto Rahman[6]

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POSTER SESSION 2 - 15:30-16:00, THURSDAY, AUGUST 25

STATION 5 – OTHER

Chair: Matthieu Cachemaille, MD (Switzerland)

P-117

FUNCTIONAL INTEGRATIVE RESTORATION (FINER): PRELIMINARY OUTCOMES FOR A VIRTUAL INDERDISCIPLINARY GROUP PROGRAM FOR PEOPLE WITH CHRONIC PAIN

Danielle Sarno[1], Kevin Vu[1], Lorna Brown[2], Jennifer Kurz[1], Zacharia Isaac[1], Bridget Chin[1], Daniel Barron[3]

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[3]Harvard Medical School, Psychiatry, Boston, USA

P-080

ANAMNESTIC CHARACTERISTICS OF CHRONIC PAIN DEVELOPMENT

Helena Jamnik, Gaj Vidmar

URI Soča, Physical Medicine and Rehabilitation, Ljubljana, Slovenia

P-007

CLINICAL OUTCOMES USING A NEW FAST-ACTING SUB-PERCEPTION THERAPY FOR CHRONIC PAIN: A MULTICENTER EUROPEAN OBSERVATIONAL REAL-WORLD STUDY

Simon Bayerl[1], Jan-Willem Kallewaard[2], Jose Emilio Llopis[3], Jose Francisco Paz-Solis[4], Georgios Matis[5], Alex Wang[6], Roshini Jain[6]

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P-092

PATIENT OUTCOME DATA MATCHED TO EVIDENCED BASED INTERVENTIONAL PROCEDURES IN CHRONIC PAIN MANAGEMENT

Wout Van Oosterwyck, Cormac Mullins, Stephen Ward, Stefano Palmisani, Adnan Al-Kaisy

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P-046

CRYONEUROLYSIS OF ALVEOLAR NERVES FOR CHRONIC OROFACIAL PAIN AFTER DENTAL SURGERY: A NEW TECHNIQUE AND A CASE SERIES

Matthieu Cachemaille[1], Sebastien Geering[2], Martin Broome[2]

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[2]Centre Hospitalier Universitaire Vaudois, Division of Oral and Maxillofacial Surgery, Lausanne, Switzerland

POSTER SESSION 3 - 9:30-10:00, FRIDAY, AUGUST 26

STATION 1 – NEUROMODULATION

Chair: Robert Levy, MD (USA)

P-043

SUBCUTANEOUS STIMULATION AS ADD-ON THERAPY TO SCS IN PATIENTS WITH FBSS SIGNIFICANTLY INCREASES THE TOTAL ELECTRICAL CHARGE PER SECOND: ASPECTS ON STIMULATION PARAMETERS AND ENERGY REQUIREMENTS OF THE IMPLANTED NEUROSTIMULATORS

Bert-Kristian Van Roosendaal[1], Esther Van Heteren[1], Eric-Jan Van Gorp[2], Ewald Bronkhorst[3], Jan Willem Kallewaard[4], Jessica Wegener[5], Katja Burger[6], Onno Teernstra[7], Hendrik Buschman[8], Kris Vissers[1]

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[8]Medtronic, Minneapolis, USA

P-081

A RETROSPECTIVE REVIEW OF OUTCOMES AFTER AT LEAST TWO YEARS POST COMBINED DORSAL COLUMN AND DORSAL ROOT GANGLION STIMULATION

Cormac Mullins[1], Joseph Palumbo[1], Jonathan Royds[2], Stephany Harris[2], Wout Van Oosterwyck[2], Thomas Yearwood[2], Stefano Palmisani[2], David Pang[2], Tom Smith[2], Adnan Al-Kaisy[2]

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P-082

PERCUTANEOUS TRIAL LEAD FOR SPINAL CORD STIMULATION IN A TERTIARY REFERRAL CENTRE: A PROSPECTIVE STUDY (PICKLE STUDY)

Cormac Mullins, Joseph Palumbo, Wout Van Oosterwyck, Sam Wesley, Jonathan Royds, David Pang, Stefano Palmisani, Thomas Yearwood, Tom Smith, Adnan Al-Kaisy

Guys and St Thomas' NHS Foundation Trust, Pain Management, London, United Kingdom

P-070

MODELING ENERGY DEMANDS OF A REDUCED-ENERGY DERIVATIVE OF DIFFERENTIAL TARGET MULTIPLEXED™ STIMULATION (DTM SCS) ON RECHARGEABLE AND RECHARGE-FREE SYSTEMS

David Provenzano[1], Kasra Amirdelfan[2], Prabhdeep Grewal[3], Andrew Cleland[4], Lachlan Davies[5], Juan Hincapie[4], Francesco Riillo[5], Erin Theis[5]

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P-073

A MODIFIED ENERGY DTM™ SCS THERAPY: 6-MONTH OUTCOMES OF A PROSPECTIVE, MULTI-CENTER STUDY ON PATIENTS WITH CHRONIC BACK AND LEG PAIN

Jeffrey Peacock[1], David Provenzano[2], Michael Fishman[3], Kasra Amirdelfan[4], Todd Bromberg[5], Todd Schmidt[6], Charles Cain[7], Andrew Cleland[8], Francesco Riillo[7], Erin Theis[7]

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POSTER SESSION 3 - 9:30-10:00, FRIDAY, AUGUST 26

STATION 2 – CANCER

Chair: Ricardo Sanchez Plancarte, MD, PhD, FIPP (Mexico)

P-077

INTRATHECAL PHENOL FOR THE TREATMENT OF ONCOLOGICAL PAIN CAUSED BY CAUDA EQUINA SYNDROME

Felipe Audi, Lia Pelloso, Deborah Gonçalves

Hospital De Câncer De Mato Grosso, Anaesthesiology And Pain Management, Cuiabá, Brazil

P-090

REGULATORY BARRIERS TO ACCESSIBILITY OF OPIOIDS FOR CANCER PAIN IN GEORGIA

Natia Shavdia[1], Vasil Tkeshelashvili[1], Mikheil Shavdia[2]

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P-129

FREQUENCY OF PAIN AND ITS MANAGEMENT IN THE TREATMENT OF ONCOLOGY PATIENTS IN GEORGIA

Natia Shavdia, Nia Shavdia, Vasil Tkeshelashvili

University of Georgia, School of Health Sciences, Public Health PHD Program, Tbilisi, Georgia

P-056

CLINICAL CASE: TREATMENT OF ALLODYNY AND HYPERALGESIA WITH CAPSAICIN 8% PATCH IN A PATIENT WITH BILATERAL MASTECTOMIZED SECONDARY TO BREAST CANCER

Miguel Ángel Puebla Martín, Jorge Hernan Calle Ochoa, Iris Violeta De La Rocha Vedia, Angel Estuardo Plasencia Ezaine, Marco Aurelio Ramirez Huaranga, Amadeo Puebla Martín, Lourdes Cespedes Díaz, Flor María Ruiz Gonzalez, Lorena Redondo López, María Luis Mendez Leo

Hospital General Universitario de Ciudad Real, PAIN UNIT, Ciudad Real, Spain

P-066

CHARACTERIZATION OF PATIENTS IN THE ONCOLOGIC PAIN CONSULTATION AT THE GENERAL UNIVERSITY HOSPITAL OF CIUDAD REAL

Iris Violeta De la Rocha Vedia[1], Marco Aurelio Ramirez Huaranga[1], Jorge Hernán Calle Ochoa[2], Rocío Arenal López[1], María Luis Mendez Leo[1], Maruja Fernández Ordoñez[3], Ángel Estuardo Plasencia Ezaine[1], María Dolores Ruiz de Castañeda Zamora[3], Miguel Ángel Puebla Martin[1]

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POSTER SESSION 3 - 9:30-10:00, FRIDAY, AUGUST 26

STATION 3 – NEUROPATHIC PAIN

Chair: Chih Peng Lin, MD, FIPP, CIPS (Taiwain)

P-127

SUCCESSFUL ADMINISTRATION OF SYMPATHETIC BLOCKADE IN A PATIENT OF SYSTEMIC SCLEROSIS WITH RAYNAUD"S PHENOMENON

Jeshnu Tople, Vivek Chakole

Jawaharlal Nehru Medical College, Anaesthesiology and Pain Management, Wardha, India

P-021

MERALGIA PARESTHETICA, IS QUO VADIS?

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P-130

NEUROPATHIC PAIN POST NECK SURGERY - T2-T3 SYMPATHETIC BLOCK, A VALUABLE OPTION!

Khaja Khan

Alleviate Pain & Spine Clinic, Pain Management, Bangalore, India

P-054

LONG-TERM EFFECT OF CAPSAICIN 8% DERMAL PATCH FOR PERIPHERAL NEUROPATHIC PAIN

Gerd Vercruysse, Laurens Peene, Astrid Van Lantschoot, Jan Van Zundert, Koen Van Boxem

Ziekenhuis Oost-Limburg, Department of Anesthesiology, Intensive Care Medicine, Emergency Medicine and Pain Therapy, Genk, Belgium

P-002

DIAGNOSIS AND MANAGEMENT OF NEUROPATHIC PAIN AFTER TOTAL KNEE REPLACEMENT: A SYSTEMATIC REVIEW

Simon Dias[1], Samantha Ashworth[2], Sarah McGonagle[3], Pip Divall[4], Joseph Dias[4], Sadiq Bhayani[5]

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POSTER SESSION 3 - 9:30-10:00, FRIDAY, AUGUST 26

STATION 4 – RF

Chair: Jee Yoon Moon, MD, PhD, FIPP, CIPS (South Korea)

P-075

INTRAOSSEOUS BASIVERTEBRAL NERVE ABLATION RANDOMIZED CONTROL TRIAL 24-MONTH RESULTS

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P-097

EPIDURAL PULSED RADIOFREQUENCY VERSUS EPIDURAL STEROIDS INJECTION FOR TREATMENT OF FAILED BACK SYNDROME: A PROSPECTIVE, RANDOMIZED, SINGLE-BLIND AND MULTICENTER STUDY

Agustín Mendiola de la Osa[1], Jorge Hernan Calle Ochoa[2], Sandra Helena Martinez[1], Iris Violeta De la Rocha Vedia[3], Manuel Agustín Herrero Trujillano[1], Moises Vasquez Caidedo[4], Rogelio Rosado Caracena [5], Maria Dolores Ruiz de Castañeda Zamora[2], Miguel Angel Puebla[3], Tatiana Castellar Cuesta Cabezas[2]

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P-025

REAL-WORLD OUTCOMES USING PULSED AND/OR THERMAL RADIOFREQUENCY ABLATION FOR TREATMENT OF CHRONIC PAIN IN EUROPE

Felice Occhigrossi[1], Georgios Kyriakopoulos[2], Fabrizio Cassini[3], Yu Pei[4], Kristen Lechleiter[4], Roshini Jain[4]

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P-071

COOLED RADIOFREQUENCY FOR PAIN TREATMENT IN A PATIENT WITH SICKLE CELL SYNDROME WITH ASEPTIC HUMERAL HEAD NECROSIS

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[2]Universidade Estadual do Rio de Janeiro, Anaesthesiology and Pain Management, Rio de Janeiro, Brazil

POSTER SESSION 3 - 9:30-10:00, FRIDAY, AUGUST 26

STATION 5 – OTHERS

Chair: Agnes Stogicza, MD, FIPP, CIPS (Hungary)

P-123

MISDIAGNOSIS OF CANCER PAIN AS MUSCULOSKELETAL SHOULDER PAIN: A CASE REPORT

So Young Kwon, Seung Tae Choi

St. Vincent's Hospital, University of Korea, Seoul, Anaesthesiology and Pain Management, Seoul, South Korea

P-124

TREATMENT OF CERVICAL CANCER-INDUCED TENESMUS WITH INFERIOR HYPOGASTRIC PLEXUS BLOCK VIA COCCYGEAL TRANSVERSE APPROACH

So Young Kwon[1], Seong Min Han[2]

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P-131

SUCCESSFUL TREATMENT OF POST COVID ANOSMIA AND DYSGEUSIA WITH STELLATE GANGLION BLOCK

Agnes Stogicza, Edit Racz, Balazs Bartos, Kristof Racz

Saint Magdolna Private Hospital, Budapest, Hungary

POSTER SESSION 4 - 15:30-16:00, FRIDAY, AUGUST 26

STATION 1 – NEUROMODULATION

Chair: Thomas Yearwood, MD (UK)

P-013

TWO-YEAR OUTCOMES OF AN SCS SYSTEM CAPABLE OF MULTIPLE NEUROSTIMULATION MODALITIES: A RANDOMIZED CONTROLLED TRIAL

Mark Wallace[1], Robert Bolash[2], Farshad Ahadian[1], Duane Griffith[3], James North[4], Gregory Phillips[5], John Noles[6], Joseph Atallah[7], Lilly Chen[8], Roshini Jain[8]

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P-008

REAL-WORLD OUTCOMES IN A CHRONIC PAIN PATIENT COHORT UNDERGOING A SINGLE-STAGE SCS ¬IMPLANTATION PROCEDURE

Pasquale De Negri[1], Jose Francisco Paz-Solis[2], Philippe Rigoard[3], Sylvie Raoul[4], Simon Thomson[5], Cleo Mertz[6], Yu Pei[7], Roshini Jain[7]

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P-134

MINDFULLY STIMULATING THE BRAIN: A RANDOMIZED, SHAM-CONTROLLED AND DOUBLE-BLINDED PILOT CLINICAL TRIAL PAIRING TRANSCRANIAL DIRECT CURRENT STIMULATION AND MINDFULNESS MEDITATION IN FIBROMYALGIA

Perianen Ramasawmy, Sarah Khalid, Frank Petzke, Andrea Antal

University Medical Center Göttingen, Neurology, Göttingen, Germany

P-089

SAFETY AND EFFICACY OF DYNAMIC INTERFERENTIAL SPINAL CORD STIMULATION SYSTEM FOR PAIN RELIEF: FIRST-IN-HUMAN TRIAL

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[2]University South Alabama Medical School, Neurology, Alabama, USA
[3]Meagan Medical, Chief Scientific Officer, Vancouver, WA, USA

P-093

LONG-TERM EFFICACY OF ULTRASOUND-GUIDED GENICULAR NERVE RADIOFREQUENCY ABLATION IN ADVANCED KNEE OSTEOARTHRITIS

Kemas Abdul Mutholib Luthfi[1], Alif Noeriyanto Rahman[2], Herry Herman[3]

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POSTER SESSION 4 - 15:30-16:00, FRIDAY, AUGUST 26

STATION 2 – RF

Chair: Fabricio Dias Assis, MD, FIPP (Brazil)

P-016

PULSE RADIOFREQUENCY ABLATION FOR TREATMENT OF CHRONIC PAIN: REAL-WORLD OUTCOMES IN EUROPE

Fabrizio Cassini[1], Felice Occhigrossi[2], Lilly Chen[3], Roshini Jain[3]

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P-101

OS ACROMIALE – AN UNUSUAL CAUSE OF SHOULDER PAIN TREATED WITH RADIOFREQUENCY DENNERVATION.

Pedro Hilton Andrade Filho, Francisco Morato Dias Abreu, Rafaela Siqueira de Lucena, Fabricio Dias Assis, Charles de Oliveira Amaral

Singular - Pain Control Center, Campinas, Brazil

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TOTAL PAIN – WHEN COMPLETE DENERVATION IS NOT ENOUGH.

Pedro Hilton de Andrade Filho, Francisco Morato Dias Abreu, Camila Lobo Ferreira, Fabricio Dias Assis

Singular - Pain Control Center, Campinas, Brazil

P-017

REAL-WORLD OUTCOMES USING THERMAL RADIOFREQUENCY (TRF) ABLATION FOR CHRONIC PAIN

Georgios Kyriakopoulos[1], Felice Occhigrossi[2], Lilly Chen[3], Roshini Jain[3]

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[3]Boston Scientific Neuromodulation, Clinical, Valencia, USA

P-004

CUTANEOUS MANIFESTATION OF NEURITIS AFTER RADIOFREQUENCY NEUROTOMY OF THE CERVICAL ZYGAPOPHYSEAL JOINTS

Werner Nagels

AZ Delta Roeselare, Anesthesiology and Pain Medicine, Roeselare, Belgium

POSTER SESSION 4 - 15:30-16:00, FRIDAY, AUGUST 26

STATION 3 – USG

Chair: Alif Noeriyanto Rahman, MD, FIPP, CIPS (Indonesia)

P-022

ULTRASOUND GUIDED INTRA-LIGAMENT PLATELET RICH PLASMA INJECTION FOR PARTIAL ANTERIOR CRUCIATE LIGAMENT RUPTURES IN ATHLETES: A CASE REPORT

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P-026

ULTRASOUND GUIDED PERIPHERAL NERVE BLOCK FOR TRIGEMINAL NEURALGIA: A CASE REPORT

Bambang Sulistyo, Alif Noeriyanto Rahman

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P-060

ULTRASOUND GUIDED GLUCOPUNCTURE INJECTION FOR GONITIS TUBERCULOSIS ON CHEMOTHERAPEUTIC MANAGEMENT: A CASE SERIES

Alif Noeriyanto Rahman[1], Zecky Eko Triwahyudi[2], Herry Herman[3], Carli Carli[4]

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POSTER SESSION 4 - 15:30-16:00, FRIDAY, AUGUST 26

STATION 4 – LBP

Chair: Robert Rapcan, MD, FIPP (Slovakia)

P-099

MODELS OF LOW BACK PAIN

Raad Al-Khafaji

Baghdad Medical City Hospital, ICU and Pain Management, Baghdad, Iraq

P-135

COMPARING THE EFFECT OF INTERVENTIONAL PAIN MANAGEMENT TECHNIQUES IN THE TREATMENT OF FACET JOINT PAIN

Róbert Rapčan[1], Simona Rapčanová[2], Radovan Sosňák[3], Ľubomír Poliak[1], Peter Lenčéš[1], Michaela Abrahamovská[4]

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P-011

COMPARATIVE EFFECT OF RADIOFREQUENCY PULSED MODE ON DORSAL ROOT GANGLION VERSUS TRANSFORAMINAL STEROIDS INJECTION ON TUMOR NECROTIC FACTOR - LEVEL IN LUMBAR DISC RELATED RADICULAR PAIN

Wael Fathy

Beni-Suef University, Anesthesia and Pain management, Beni-Suef, Egypt

P-044

BERTOLOTTI'S SYNDROME: A CASE REPORT

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POSTER SESSION 4 - 15:30-16:00, FRIDAY, AUGUST 26

STATION 5 – OTHERS

Chair: Jeffrey Gudin, MD (USA)

P-100

SACRAL PAIN - HOW FAR CAN WE GO TO CONTROL IT?

Pedro Hilton Andrade Filho[1], Francisco Morato Dias Abreu[1], Camila Lobo Ferreira[1], Bruna Nunes Fernando[1], Berenice Carolina Hernandez Porraz[2], Fabrício Dias Assis[1]

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P-112

ENKEPHALIN AS A NOVEL ANALGESIC: EFFICACY AND SAFETY IN PRE-CLINICAL MODELS

Jeffrey Gudin

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P-120

CLINICIAN INSIGHTS INTO THE ANALGESIC UTILITY AND HIERARCHY OF PHARMACOLOGIC AND NONPHARMACOLOGIC SELF-HEALING THERAPIES

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POSTER SESSION 5 - 9:30-10:00, SATURDAY, AUGUST 27

STATION 1 – NEUROMODULATION

Chair: Jan Willem Kallewaard, MD (The Netherlands)

P-012

CLINICAL UTILIZATION OF FAST-ACTING SUB-PERCEPTION THERAPY (FAST) IN SCS-IMPLANTED PATIENTS FOR TREATMENT OF MIXED PAIN

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P-050

INTRATHECAL MIDAZOLAM IN PAIN THERAPY – OVER 1000 ADMINISTRATIONS

Jan Procházka

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P-009

CLINICAL OUTCOMES USING SCS-BASED COMBINATION THERAPY: A EUROPEAN, MULTICENTER STUDY IN PATIENTS WITH CHRONIC PAIN

Jan-Willem Kallewaard[1], Jose Francisco Paz-Solis[2], Pasquale De Negri[3], M. Angeles Canos-Verdecho[4], Hayat Belaid[5], Simon Thomson[6], David Abejón[7], Vesper Jan[8], Yu Pei[9], Roshini Jain[9]

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P-036

PHYSIOLOGIC RATE-RESPONSIVE CLOSED-LOOP SCS THERAPY: 3-MONTH OUTCOMES OF THE FIRST 20 IMPLANTED PATIENTS IN A POST-MARKET STUDY, CONFIRMATION OF REPRODUCIBILITY

Jan-Willem Kallewaard

Rijnstate Hospital, Anaesthesiology and Pain Management, Velp, The Netherlands

P-032

DORSAL ROOT GANGLION STIMULATION OUTCOMES FOR THE TREATMENT OF MECHANICAL KNEE PAIN AMONG PATIENTS WITH OSTEOARTHRITIS OF THE SURGICAL AND NON-SURGICAL KNEE

Tariq Yousef[1], Kenneth Chapman[2], Noud Van Helmond[2]

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POSTER SESSION 5 - 9:30-10:00, SATURDAY, AUGUST 27

STATION 2 – PROLO

Chair: Rizal Daulay, MD (Indonesia)

P-061

PROLOTHERAPY IN POSTTRAUMATIC RADIOCARPAL ARTHRITIS AFTER INTERNAL RADIOCARPAL DISTRACTION PLATING FOR HIGHLY COMMINUTED DISTAL RADIUS FRACTURE FIXATION: A CASE REPORT

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P-023

SERIAL DEXTROSE PROLOTHERAPY AND STEROID INJECTION FOR FAILED TOTAL KNEE REPLACEMENT

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P-019

NEURAL PROLOTHERAPY FOR SCIATIC NERVE INJECTION INJURY: A CASE REPORT

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P-062

RESOLVED KNEE PAIN AND INSTABILITY AFTER PROLOTHERAPY IN ANTERIOR CRUCIATE LIGAMENT TEAR: A CASE REPORT

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P-024

SUBCUTANOEUS PROLOTHERAPY AS A NEW ALTERNATIVE TREATMENT FOR GONITIS TUBERCULOSIS: A CASE REPORT

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POSTER SESSION 5 - 9:30-10:00, SATURDAY, AUGUST 27

STATION 3 – RF & OTHERS

Chair: Jan Van Zundert, MD, FIPP (Belgium)

P-003

BIPOLAR RADIOFREQUENCY ABLATION OF GENICULAR NERVES IN CHRONIC KNEE PAIN: A NOVEL TECHNIC FOR IMPROVED TREATMENT AREA AND PROVIDE MORE COMPLETE SENSORY DENERVATION

Marco Aurelio Ramirez Huaranga, Maria de Gracia Villanueva Carpintero, Angel Estuardo Plasencia Ezaine, Jorge Hernan Calle Ochoa, Rocío Arenal Lopez, Iris Violeta De la Rocha Vedia, Maria Luis Méndez Leo, Maruja Fernandez Ordoñez, Maria Dolores Ruiz de Castañeda Zamora

Hospital General Universitario de Ciudad Real, Pain Unit, Ciudad Real, Spain

P-072

COOLED RADIOFREQUENCY FOR TREATMENT OF LOWER LIMB BONE PAIN IN A PATIENT WITH METASTATIC BREAST CANCER

Cecília Nobre

Casa de Saúde São José, Anaesthesiology and Pain Management, Rio de Janeiro, Brazil

P-033

NON SURGICAL INVASION AT THE COMPRESSION FRACTURE OF VERTEBRA THORACAL 12 AND LUMBAL 1 GRADE 2 USING THE PROLOTHERAPY INJECTION GUIDING ULTRASOUND: A CASE REPORT

Hamdan Hasan Basri[1], Alif Noeriyanto Rahman[2], Herry Herman[3]

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P-051

PERIOPERATIVE ANALGESIC EFFICACY OF CONTINUOUS QUADRATUS LUMBORUM BLOCK OR TRANSVERSUS ABDOMINIS PLANE BLOCK IN PATIENTS UNDERGOING RENAL TRANSPLANT A RANDOMIZED, DOUBLE-BLIND, CONTROLLED TRIAL

Virender Kumar Mohan, Debesh Bhoi

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POSTER SESSION 5 - 9:30-10:00, SATURDAY, AUGUST 27

STATION 4 – POSTOP PAIN

Chair: Kris Vissers, MD, PhD, FIPP (The Netherlands)

P-113

SUBOCCIPITAL DECOMPRESSION FOR THE TREATMENT OF PAIN ASSOCIATED WITH MALFORMATION OF THE ATLAS VERTEBRA

Pedro Hilton de Andrade Filho, Francisco Morato Dias Abreu, Thalita Marqueze, Bruno José de Pinho Miranda, Camila Lobo Ferreira, Fabricio Dias Assis

Singular - Pain Control Center, Campinas, Brazil

P-115

INTERMITTENT BOLUS TECHNIQUE ERECTOR SPINAE PLANE BLOCK COVERS MORE DERMATOME THAN CONTINUOUS INFUSION TECHNIQUE WITH LESS OPIOID CONSUMPTION

Debesh Bhoi[1], Thamizharasan Datchinamourthy[1], Anjolie Chhabra[1], Virender Kumar Mohan[1], Kamal Kataria[2]

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P-088

UPDATES IN NON-OPIOID MULTIMODAL PERIOPERATIVE PAIN MANAGEMENT – FOCUS ON LIDOCAINE

Dimitar Tonev

Medical University of Sofia, University Hospital “Tsaritsa Joanna - ISUL”, Anaesthesiology and Intensive Care, Sofia, Bulgaria

P-029

LUMBAR PLEXUS-SCIATIC NERVE BLOCK VERSUS EPIDURAL FOR LOWER LIMB ORTHOPEDIC SURGERY; A RANDOMIZED CONTROLLED TRIAL TO COMPARE INTRAOPERATIVE ANAESTHESIA AND POSTOPERATIVE ANALGESIA

Tanvir Samra[1], Paritosh Amar[1], Kajal Jain[2], Vikas Saini[1]

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P-010

PROLOTHERAPY FOR THE TREATMENT OF POST OPERATIVE ELBOW JOINT STIFFNESS IN AN OLD UNREDUCED ELBOW DISLOCATION TREATED WITH AN OPEN REDUCTION SURGERY: A CASE REPORT

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POSTER SESSION 5 - 9:30-10:00, SATURDAY, AUGUST 27

STATION 5 – OTHERS

Chair: Steven Litman, MD, FIPP (USA)

P-076

DELAYED SPINAL EPIDURAL HEMATOMA FOLLOWING CERVICAL INTERLAMINAR EPIDURAL STEROID INJECTION AND MOTOR VEHICLE ACCIDENT

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P-114

CASE REPORT AND REVIEW OF THE LITERATURE IN PATIENT REQUIRING SHOULDER REPLACEMENT SURGERY WITH COMPLEX REGIONAL PAIN SYNDROME

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P-040

SUCCESSFUL REDUCTION OF CHRONIC UPPER EXTREMITY PAIN USING DTM SCS

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[6]Florida Pain Management Associates, Sebastian, USA
[7]DREZ One, Somerset, USA
[8]Kansas Pain Management, Overland Park, USA
[9]SGX Medical, Bloomington, USA

P-136

PATIENT BURDENS ASSOCIATED WITH SPINAL CORD STIMULATION: IMPACT OF WAIT TIMES TO ADDRESS DEVICE-RELATED ISSUES IN A REAL-WORLD COHORT WITH CHRONIC BACK AND LEG PAIN

Kasra Amirdelfan[1], Ajay Antony[2], Robert Levy[3], Jason Pope[4], Steven Falowski[5], Ramana Naidu[6], Kiran Patel[7], Erika Petersen[8], Peter Staats[9]

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[8]University of Arkansas for Medical Sciences, Little Rock, AR, USA
[9]National Pain and Spine Centers, Rockville, MD, USA

P-047

GAIT ANALYSIS AS AN OBJECTIVE MEASURE OF THE EFFICACY OF GENICULAR NERVE BLOCKS FOR CHRONIC KNEE PAIN: A PILOT STUDY

Loranne Dupraz[1], Aurore Fernandez[1], Charles Benaim[2], Marc Suter[1], Matthieu Cachemaille[1]

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POSTER SESSION 6 - 15:00-15:30, SATURDAY, AUGUST 27

STATION 1 – NEURMODULATION

Chair: Ricardo Vallejo, MD, FIPP (USA)

P-067

SPINAL CORD STIMULATION IN FAILED BACK SURGERY SYNDROME: A DESCRIPTIVE COHORT ANALYSIS CONCERNING QUALITY OF LIFE, A SINGLE CENTRE EXPERIENCE

Mieke Maeckelberghe, Werner Nagels

AZ Delta Roeselare, Anaesthesiology, Pain Management and Critical Care, Roeselare, Belgium

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LONGTERM OUTCOME AFTER DORSAL COLUMN STIMULATION FOR FAILED BACK AND NECK SURGERY SYNDROME

Mieke Maeckelberghe, Werner Nagels

AZ Delta Roeselare, Anaesthesiology, Pain Management and Critical Care, Roeselare, Belgium

P-037

EFFECT OF DMT SCS INTENSITY ON CELL-SPECIFIC TRANSCRIPTOMICS AN ANIMAL MODEL OF NEUROPATHIC PAIN

Ricardo Vallejo[1], David Cedeno[1], Courtney Kelley[1], William Smith[2]

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[2]Dartmouth College, Hanover, USA

P-038

CONTINUOUS DIFFERENTIAL TARGET MULTIPLEXED SCS PROVIDES SIGNIFICANT AND SUSTAINED RELIEF OF MECHANICAL HYPERSENSITIVITY IN AN ANIMAL MODEL OF PERSISTENT NEUROPATHIC PAIN

Ricardo Vallejo[1], David Cedeno[1], David Platt[1], Courtney Kelley[1], Joseph Williams[2], Maria Fields[2], Courtney Petersen[2], Elena Romanova[3], Jonathan Sweedler[3]

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POSTER SESSION 6 - 15:00-15:30, SATURDAY, AUGUST 27

STATION 2 – PROLO

Chair: Alif Noeriyanto Rahman, MD, FIPP, CIPS (Indonesia)

P-048

PERINEURAL INJECTION PROLOTHERAPHY IN CARPAL TUNNEL SYNDROME: A CASE SERIES

Alif Noeriyanto Rahman[1], Tresna Angga Basunanda[2], Hamzah[3], Herry Herman[4]

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P-058

PROLOTHERAPY ON HABITUAL DISLOCATION OF PATELLA; A CASE REPORT

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[3]Universitas Padjajaran, Orthopaedics and Traumatology, Bandung, Indonesia

P-020

SCLEROTHERAPY OF RECURRENT BAKER CYST USING 40% DEXTROSE AND ULTRASOUND-GUIDED

Alif Noeriyanto Rahman[1], Herry Herman[2], Carli Carli[3], Jecky Chandra[4]

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P-028

PROLOTHERAPY ON POST ARTHROPLASTY HIP PAIN: MULTIPLE CASE REPORTS

Alif Noeriyanto Rahman[1], Muhammad Mulky Yasin[2], Herry Herman[3], Carli Carli[4]

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P-045

PROLOTHERAPY-GUIDED ULTRASOUND AS AN EFFECTIVE THERAPEUTIC MODALITY FOR ISCHIOGLUTEAL BURSITIS: A CASE REPORT

Alif Noeriyanto Rahman[1], Zusron Fuadi[2], Herry Herman[3]

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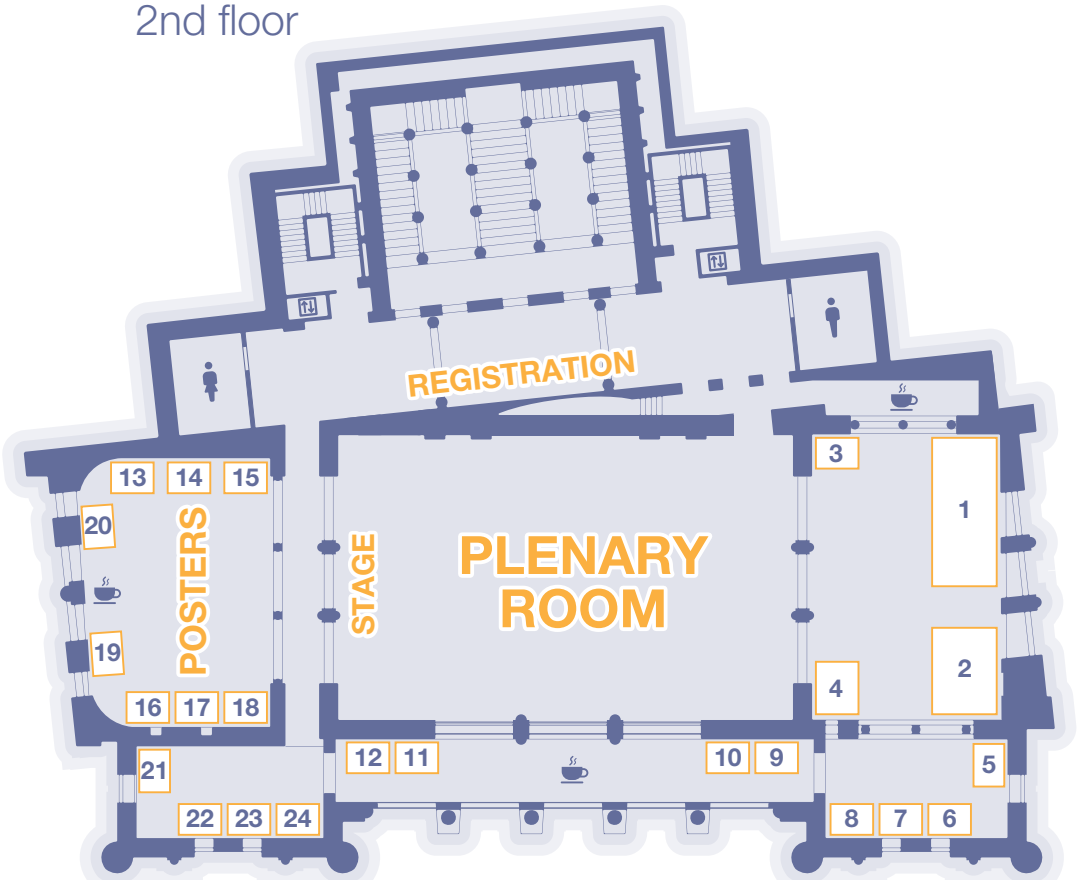

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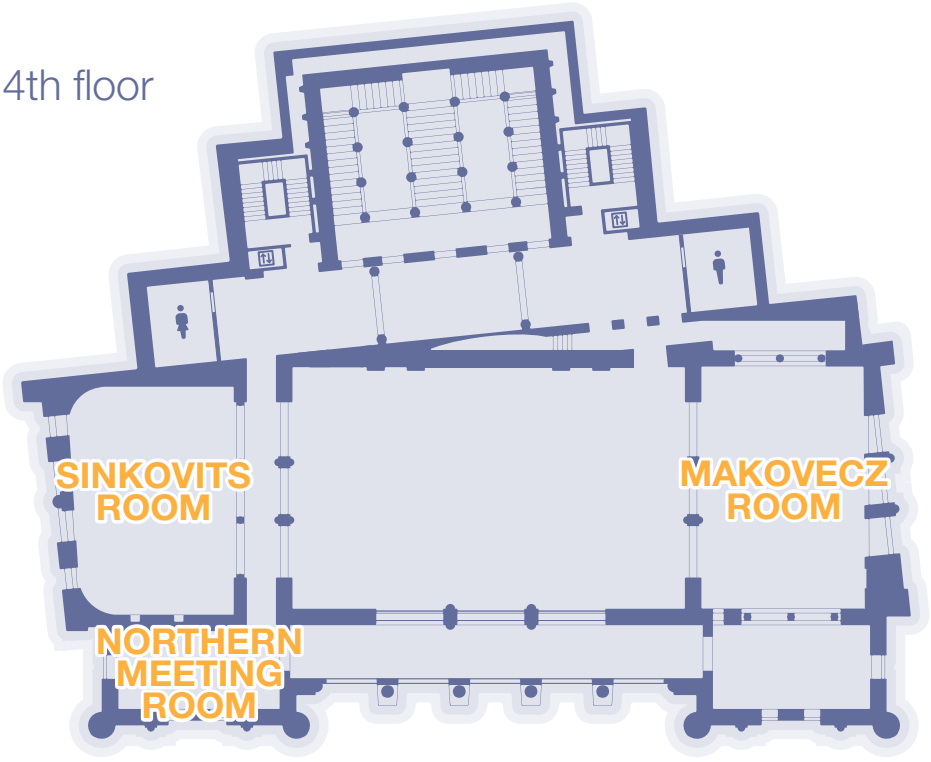

INDUSTRY SECTION / SYMPOSIUM PROGRAMS

THURSDAY, AUGUST 25, 12:30-14:00 – Marriott Budapest

SANOFI LUNCH SYMPOSIUM PROGRAM

Self-Healing: Optimizing Integrative Pain Management for the Future

Welcome & Introduction/Opening Remarks
Prof. Gisèle Pickering *(France)*

Acute body pain management: current science and principles
Prof. Ali Mobasheri (Finland)

Self healing concept: a bridge to integrative pain management
Dr. Joyce McSwan (Australia)

Patient perspectives in integrative pain management: the patient as advocate and consumer
Neill Betteridge (United Kingdom)

Emerging technologies to personalize pain management treatment
Dr. Jeffrey Gudin (USA)

Summary / Closing Remarks
Prof. Gisèle Pickering *(France)*

FRIDAY, AUGUST 26, 7:00-7:50 – Pesti Vigadó, Makovecz Room

MAINSTAY MEDICAL BREAKFAST SYMPOSIUM PROGRAM

Loss of Neuromuscular Control: The Problem we can now Address - Three-Year Pivotal Trial Results
Christopher Gilligan, MD (USA)

FRIDAY, AUGUST 26, 9:30-10:00 – Pesti Vigadó, Exhibition area

SALUDA MEDICAL PRODUCT THEATER

Reveal The Loop
Jan Willem Kallewaard, MD, PhD, FIPP (The Netherlands)

FRIDAY, AUGUST 26, 12:15-13:00 – Pesti Vigadó, Plenary Room

MEDTRONIC LUNCH SYMPOSIUM PROGRAM

Technology, Science and Evidence: How Medtronic is transforming SCS
Peter Staats, MD, MBA, National Spine & Pain Centers, Shrewsbury, NJ

FRIDAY, AUGUST 26, 12:15-14:00 – Marriott Budapest

MENARINI LUNCH SYMPOSIUM PROGRAM

Multimodal pharmacological therapy in acute low back pain

Introduction
Prof. Giustino Varrassi

Multimodal Analgesia in Acute Pain Clinical Conditions
Prof. Antonio Montero Matamala

Clinical Aspects of Low Back Pain
Prof. Serge Perrot

Multimodal Management of Low Back Pain: The Dante Study
Prof. Magdi Hanna

Discussion and Final Remarks

SATURDAYDAY, AUGUST 27, 7:00-7:50 AM – Pesti Vigadó, Makovecz Room

BOSTON SCIENTIFIC BREAKFAST SYMPOSIUM PROGRAM

Evolving into a new era of pain management

The complexity of treating pain. Advancing patient outcomes with innovative SCS and RF solutions
Nilesh Patel, MD, MBA (Boston Scientific, the USA)

Improved patient outcomes using the novel Fast-Acting Sub-Perception SCS therapy FAST™. A Clinical experience beyond neuropathic pain.
Georgios Matis, MD, PHD, (Department of Stereotaxy and functional Neurosurgery, University of Cologne, Neurosurgeon - Pain Medicine)

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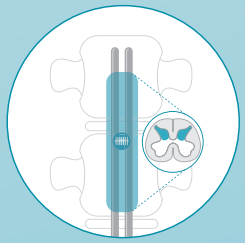

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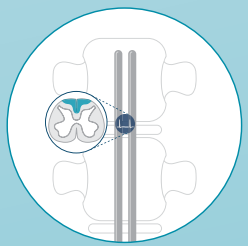

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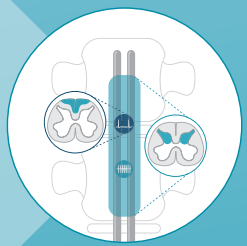

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[1]McQuay HJ et al. Br J Anaesthesia 2016; 116: 269-276
[2]Moore RA et al. BMC Anaesthesiol 2016; 16:9
[3]Varrassi G et al. Adv Ther 2019; 36:3174–3185
[4]Skudexa, Summary of Product Characteristics

* Skudexa treatment must be strictly limited to the symptomatic period and in any case not more than 5 days.[1]

MENARINI group

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- Please consult Skudexa SmPC, available at the Menarini booth
- Note that prescribing information may vary in each Country depending on national approval.

Therefore, before prescribing please, consult your local Prescribing Information/SmPC

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1. Abbott. IonicRF™ Generator Summative Validation Report (90624300). 2020.
2. Abbott. IonicRF™ Generator Service Life Report test data on file (90263325). 2020.
3. Abbott. IonicRF™ Generator System Compatibility DVTR (90619520). 2020.

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Brief Summary: Prior to using Abbott devices, please review the Instructions for Use for a complete listing of indications, contraindications, warnings, precautions, potential adverse events and directions for use.

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