

13th Annual New York & New Jersey Pain Medicine Congress Evolving Advanced Pain Therapies November 7-10, 2024 • The Hyatt Regency Jersey City, New Jersey



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PROGRAM BOOK



13th Annual New York & New Jersey Pain Medicine Congress

Evolving Advanced Pain Therapies

November 7-10, 2024 • The Hyatt Regency Jersey City, New Jersey



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13th Annual New York & New Jersey Pain Medicine Congress

Dear Colleagues,

On behalf of the Founder and Chairman, Sudhir Diwan, MD, and Vice Chairs Scott Woska, MD, Christopher Gharibo, MD, and Course Directors Andrew Kaufman, MD, Robert Tiso, MD, Sayed Emal Wahezi, MD, Latrice Akuamoah, MD and the New York and New Jersey Societies of Interventional Pain Physicians (NYSIPP & NJSIPP), we would like to invite you to join us at the New York and New Jersey Pain Medicine Congress 2024: Evolving Advanced Pain Therapies. This year’s meeting is held November 7-10, 2024, at the Hyatt Regency Jersey City, New Jersey.

The NYSIPP & NJSIPP Pain Medicine Symposium was established in 2011 with the primary objectives of educating healthcare professionals to promote the development of the safe, high-quality, and cost-effective practice of interventional pain management techniques for the diagnosis and treatment of pain and related disorders and to ensure patient access to these interventions.

Our scientific program will provide cutting-edge information on advanced state-of-the-art pain management techniques, advanced regenerative medicine therapies, advanced neuromodulation therapies and beyond, vertebral augmentation, discography, and intradiscal procedures, radiofrequency, peripheral nerve stimulation, intrathecal therapy, minimally invasive sacroiliac fusion and for lumbar spinal stenosis. This course will offer a half-day hands-on cadaver and ultrasound course, incorporating didactic lectures with hands-on practice for improved technique and patient outcomes for interventional procedures presented by nationally and internationally renowned experts. Additionally, we have focused pre-congress courses for residents and fellows, as well as for nurse practitioners and physician assistants.

Industry Partners and technical exhibits are an important part of our meeting’s success and benefit both the attendees and the companies that choose to participate. We anticipate in excess of 600 clinical providers specializing in pain management, interventional pain management, and neurosurgery to attend, including physicians, mid-level practitioners, fellows, residents, nurses, and pharmacists.

We would like to welcome you to the 13th Annual of the New York and New Jersey Pain Medicine Congress in November 2024!



Sudhir Diwan, MD
CEO, NYSIPP,
Chairman



Scott Woska, MD
Vice Chair



Christopher Gharibo, MD
Vice Chair



Latrice Akuamoah, MD
Course Director



Sayed Emal Wahezi, MD
Course Director



Andrew Kaufman, MD
Course Director



Robert Tiso, MD
Course Director

FRIDAY, NOVEMBER 8, 7:30 PM

BLACK TIE GALA DINNER

JOIN US TO CELEBRATE OUR EXTRAORDINARY AWARDEES



13th Annual
New York & New Jersey Pain Medicine Congress
Evolving Advanced Pain Therapies
November 7-10, 2024 • The Hyatt Regency Jersey City, New Jersey

COMMITTEE & ORGANIZERS

NY/NJ Pain Medicine Congress Organization Officials

Chairman: **Sudhir Diwan, MD**
Vice Chairs: **Scott Woska, MD, Christopher Gharibo, MD**
Course Directors: **Andrew Kaufman, MD, Robert Tiso, MD, Sayed Emal Wahezi, MD, Latrice Akuamoah, MD**

Fellows and Residents Pre-Congress Course Directors

Karina Gritsenko, MD, Sean Li, MD, Steve Aydin, DO

PA and NP Pre-Congress Course Directors

Kristen Klein, AGNP-C, Casey Grillo, NP

Cadaver Workshop Directors

Sudhir Diwan, MD, Christopher Gharibo, MD, Scott Woska, MD, Victor Silva, MD

Ultrasound Workshop Directors

George Chang Chien, DO, Jesus Medina, MD, Ashish Shetty, MD, Steve Aydin, MD

Regenerative Medicine Workshop Directors

Sudhir Diwan, MD, George Chang Chien, DO

Scientific Program Committee

Chair: Sudhir Diwan, MD	Members: Christopher Gharibo, MD Scott Woska, MD Brian Durkin, DO Neel Mehta, MD Karina Gritsenko, MD Andrew Kaufman, MD Steve Aydin, DO	Kristen Klein, AGNP-C Casey Grillo, NP Victor Silva, MD George Chang Chien, DO Jesus Medina, MD Ashish Shetty, MD
Co-Chair: Sean Li, MD		

Office of Administration

Chairman: **Sudhir Diwan, MD**
COO: **Edward Rubin, MD**
Administrative Assistant to COO: **Cathy Pitbladdo**
Executive Director: **Sandra Vamos**

GENERAL INFORMATION

VENUE AND DATES

Congress + Workshop venue & onsite hotel
Hyatt Regency Jersey City
2 Exchange Place Jersey City, NJ 07302
Tel: (201) 469 1234

Fellows and Residents Pre-Congress Course	Thursday, November 7, 2024, 7:50-12:00 PM	Harborside Room
APP Pre-Congress Course	Thursday, November 7, 2024, 7:50-12:00 PM	Palisades Room
Congress	Thursday-Saturday, November 7-9, 2024	Hudson Ballroom
Ultrasound Workshop	Sunday, November 10, 2024, 8:00 AM-12:00 PM	Hudson Ballroom IV+V+VI
Regenerative Medicine Workshop	Sunday, November 10, 2024, 8:00 AM-12:00 PM	Harborside Room
Cadaver Workshop	Sunday, November 10, 2024, 8:00 AM-12:00 PM	Hudson Ballroom I+II+III

INTERNET ACCESS

Free of charge WiFi service is available at the venue. Network: *NYNJ-PC* Passcode: *nynj2024*

REGISTRATION DESK OPENING HOURS AT HYATT REGENCY JERSEY CITY

Thursday, November 7	7:00 AM-6:00 PM
Friday, November 8	7:00 AM-6:00 PM
Saturday, November 9	7:00 AM-5:00 PM
Sunday, November 10	7:30 AM-12:00 PM

COMMERCIAL EXHIBITION

The exhibition will be opened from Thursday, November 7 until Saturday, November 9 at the Hyatt Regency Jersey City. 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.

REGISTRATION FEE ONSITE

Congress MEMBER (NYSIPP/NJSIPP)	\$800
Congress with Workshop MEMBER (NYSIPP/NJSIPP)	\$950
Congress NON MEMBER	\$950
Congress with Workshop NON MEMBER	\$1100
Congress Fellow	\$150
Congress with Workshop Fellow	\$200
Congress APP	\$300
Congress International Delegates	\$550
Congress with Workshop International Delegates	\$650
Congress International Fellow	\$75
Congress with Workshop International Fellow	\$125
Residents / Medical Student / APP Student	FREE*
<i>*Registration and proof of student status are required.</i>	
Industry registration	\$850
Extra Exhibitor badge	\$350

COFFEE BREAKS

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

BREKAFAST AND LUNCH

Refer to the detailed program.

SPECIAL SOCIAL EVENTS

Wine & Cheese Welcome Reception with the Exhibitors

Thursday, November 7, 2024, 6:00-7:00 PM, Exhibition Area

Gala Dinner and Award Ceremony / BlackTie Event

Friday, November 8, 2024 in Manhattan Ballroom (9th floor)
6:30-7:30 PM Cocktail Hour – Sponsored by Platinum Sponsor Boston Scientific
7:30-10:30 PM Gala Dinner and Award Celebration

Faculty Dinner (by invitation only)

Saturday, November 9, 2024
Venue: Yacht Atlantica
Meeting point & time: Hyatt Regency lobby at 6:30 PM, we walk together to Hyatt Dock
Boarding: from 6:35 PM
Sail: 7:00 PM / Return: 10:30 PM

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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.**



BADGES

Identification badges are provided upon registration. For security purposes, all delegates and speakers are asked to wear their name badges at all times during the meeting. It can also be helpful when contacting the Registration Desk and other participants. The identification badges include a QR code with basic contact information such as name, city, workplace, and e-mail address. Our exhibitors and sponsors might scan your badge QR code for their records when visiting their booths or attending an industry-sponsored breakfast/lunch. If you misplace your name badge, please contact the Registration Desk to arrange a replacement.

LOST AND FOUND

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

MOBILE PHONES

Please respect the speakers and presenters by ensuring that your mobile phone is switched off during the scientific sessions.

SMARTEVENTS® CONFERENCE APP

NYNJ Pain Medicine Congress in your hands: conference app is available for smartphones at Google Play and Apple Store. Check the program, get together and chat with your fellow delegates, send your questions, get important (push) messages from the Organizers by downloading the SmartEvents app.

TECHNICAL INFORMATION FOR SPEAKERS

The organizers ask you to bring your presentations on a USB memory stick. The assisting technicians responsible for the dedicated room will upload your presentation to the computers in the meeting room. The deadline is the last coffee break before your scheduled presentation. Please note that double slide projection and personal laptops cannot be used.

PROGRAM CHANGES

The organizers cannot assume liability for any changes in the scientific program. However, they will do their best to keep the participants up to date, and possible changes in the program will be immediately communicated.

POSTERS TECHNICAL INFORMATION

E-poster kiosks will be exhibited in the Hudson Prefunction. No specific poster session is scheduled, all posters are available for viewing during the opening hours. We recommend that poster presenters be around the screens during the breaks so they are available for questions.

HEALTH & SAFETY

Hand sanitizer is available throughout the venue near food and exhibit areas. Wearing a face mask is not required. Attendees and staff may continue to wear masks for a variety of reasons, so please be kind and considerate of others.

MEET THE
FACULTY



Sudhir Diwan, MD
Chairman



Christopher
Gharibo, MD
Vice Chair



Scott Woska, MD
Vice Chair



Alaa Abd-Elseyed, MD



Latrice Akuamoah, MD



Sachin Alva, MD



Adnan Al-Kaisy, MD



Tolu Alugo, MD



Fabricio Dias Assis, MD



Steve Aydin, DO



Carlos Marcela De
Barros, MD, PhD



Doug Beall, MD



Maria Constanza
Bedoya, MD



Helen Blake, MD



Nicole A. Busch, MSN,
APRN, AGCNS-BC



Anjum Bux, MD



Aaron Calodney



Kenneth Chapman, MD



George Chang Chien,
DO



Wesley Chih-Chun
Chen, MD



Ashley Comer, NP



Sukdeb Datta, MD



Miles Day, MD



Jose De Andres, MD



Timothy Deer, MD



Rodrigo Diez Tafur, MD



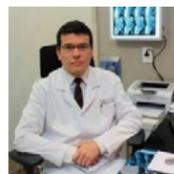
Collin Duffy, MS, PA



Brian Durkin, DO



Megan Filoramo, APN-C



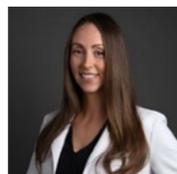
Tiago Freitas, MD



Meredith George,
SCP-PM



Christopher Gilligan, MD



Casey Grillo, NP



Karina Gritsenko, MD



Carlos Guerrero, MD



Mayank Gupta, MD



Roger Hartl, MD



Manuel Herrero
Trujillano, MD



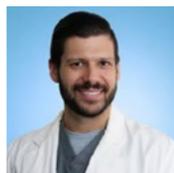
Corey Hunter, MD



Zohra Hussaini, NP



Ale Ismael Gonzalez,
MD



Evan Jay, PA-C



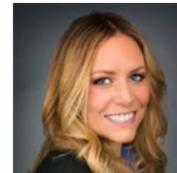
Hemant Kalia, MD



Leonardo Kapural,
MD, PhD



Andrew Kaufman, MD



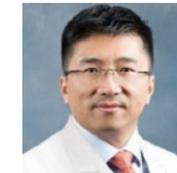
Jennifer
Kirschenbaum, Esq



Kristen Klein
AGNP-C



Danielle Kohr, MD



Sean Li, MD



Vince Liguori



Giuliano Lo Bianco
MD



Camila Lobo Ferreira,
MD



Patrick McGinn, PA



Jesus Medina, MD



Neel Mehta, MD



Jee Yoon Moon, MD,
PhD



Annu Navani, MD



Victor Pacheco, MD



Daniel Pak, MD



Anish Patel, MD



Juan De La Cruz
Pineda, MD



Ricardo Plancarte
Sanchez, MD



Vinay Puttaniah, MD



Robert Rapcan, MD



Sandeep Rathi, MD



David Reece, DO



Carlos Restrepo, MD



Ignacio Reyes Torres,
MD



Edward Rubin, MD



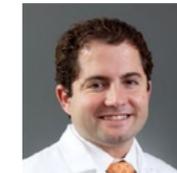
Ricardo Ruiz-Lopez, MD



Dawood Sayed, MD



Michael E. Schatman,
PhD, CPE



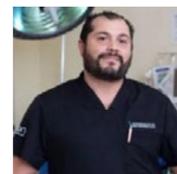
Naum Shaparin, MD



Ruchi Sharma, MD



Ashish Shetty



Victor Silva, MD



Hannah Sisti, PA-C



Konstantin Slavin, MD



Agnes Stogicza, MD



Harry Sukumaran, MD



Donald (Tsung-Yung)
Tang, MD



Robert Tiso, MD



Yu-Chuan (Grace)
Tsai, MD



Eucelin Nohelia
Villalobos Medina, MD



Edward S. Yoon, MD



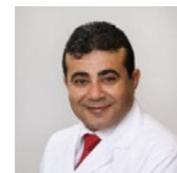
Ricardo Vallejo, MD



Juan Felipe Vargas,
MD



Sayed Emal Wahezi,
MD



Baher S. Yanni, MD

FELLOWS / RESIDENTS PRE-CONGRESS COURSE

Thursday, November 7, 2024 ■ Harborside Room

Course Directors: **Steve M. Aydin, DO, Karina Gritsenko, MD, Sean Li, MD**

7:00-7:50 AM **Registration**

7:50-8:00 AM **Welcome Remarks**
Sudhir Diwan, MD, Steve M. Aydin, DO, Karina Gritsenko, MD, Sean Li, MD

SESSION 1

The Journey of a Pain Fellow: Succeeding in a New Era of Change 🕒 8:00-10:00 AM

Moderator: **Naum Shaparin, MD**

- 8:00-8:15 AM **Past, Present and Future of Pain Medicine**
Annu Navani, MD
- 8:15-8:30 AM **Humanities in Pain Medicine: Context Counts**
Michael E. Schatman, PhD, CPE
- 8:30-8:45 AM **US Reimbursement Climate – Understanding the Payer Market from Private to Medicare**
Meredith George, SCP-PM
- 8:45-9:05 AM **Panel Discussion: Is one year of Pain Training Enough?**
Moderator: Karina Gritsenko, MD
Panel members: Christopher Gilligan, MD, Camila Lobo, MD, Ignacio Reyes Torres, MD, Miles Day, MD, Sayed Emal Wahezi, MD, Daniel Pak, MD
- 9:05-9:25 AM **Intricacies of Neuromodulation (SCS, PNS, and ITP)**
Corey Hunter, MD
- 9:25-9:40 AM **Imaging of Spine: You don't see it if you don't know it!**
Doug Beall, MD
- 09:40-10:00 AM **Panel Discussion: The Future of Minimally Invasive Spine Procedures and New Technology**
Moderator: Sukdeb Datta, MD
Panel members: Neel Mehta, MD, Steve M. Aydin, DO, Corey Hunter, MD, Kenneth Chapman, MD, Victor Silva, MD

10:00-10:30 AM **Coffee Break**

SESSION 2 The Journey of a Pain Fellow: Preparing for the Professional Challenges

🕒 10:30 AM -12:00 PM

Moderator: **Leonardo Kapural, MD**

- 10:30-10:45 AM **Professional Development: Research, Societies and Getting Involved**
Timothy Deer, MD
- 10:45-11:00 AM **The business of Pain Medicine**
Sean Li, MD
- 11:00-11:15 AM **Evaluating a Practice for My First Job**
Andrew Kaufman, MD
- 11:15-11:35 AM **Contract evaluation and negotiation**
Jennifer Kirschenbaum, Esq.
- 11:35 -12:00 PM **Panel discussion with Leonardo Kapural, MD: Preparing for Unexpected Professional Challenges**
Panel members: Jennifer Kirschenbaum, Esq, Meredith George, SCP-PM, Sean Li, MD, Andrew Kaufman, MD, Carlos Restrepo, MD

12:00-1:00 PM **Fellows Lunch Symposium** **Manhattan Ballroom**
Sponsored by Bronze Sponsor Abbott
Presenters:

- Michael Farrell, MD
- Kiran Patel, MD

No CME credit hours are available for this session.

1:00-5:30 PM **Join the main Congress sessions in Hudson Ballroom**

APP PRE-CONGRESS COURSE

Thursday, November 7, 2024 • Palisades Room

Course Directors: **Kristen Klein, AGNP-C, Casey Grillo, NP**

7:00-7:50 AM **Registration**

7:50-8:00 AM **Welcome Remarks**
Kristen Klein, AGNP-C, Casey Grillo, NP

SESSION 1 Updates on Current Interventional Pain Practice

Moderator: Kristen Klein, AGNP-C

🕒 8:00-10:00 AM

8:00-8:20 AM **MRI review of the spine-Identifying red flags and application to practice**
Doug Beall, MD

8:20-8:40 AM **Neuromodulation 101-Understanding the Basics**
Patrick McGinn, PA

8:40-9:10 AM **Advanced Neuromodulation Waveforms and Therapies**
Zohra Hussaini, NP

9:10-9:40 AM **Panel discussion with Sean Li, MD**
Fact or fiction with neuromodulation – Tying it all together
Panel members: Kristen Klein, AGNP-C, Casey Grillo, NP, Patrick McGinn, PA,
Zohra Hussaini, NP

9:40-10:00 AM **Surgical vs Non-surgical:
Understanding Neurosurgical Approaches with a Series of Case Studies**
Evan Jay, PA-C, ATC

10:00-10:20 AM **Coffee Break**

SESSION 2 Physician and APP Collaboration

Moderator: Casey Grillo, NP

🕒 10:20 AM -12:00 PM

10:20-10:40 AM **Physical Exam Demonstration of the Spine and Joints**
Agnes Stogicza, MD (Hungary)

10:40-11:00 AM **PNS Options of the Knee and Shoulder**
Nicole Busch, AGCNS-BC and Alaa Abd-Elsayed, MD

11:00-11:30 AM **Pros and Cons: When to Choose the Right Therapy?
Debates with Kristen Klein, AGNP-C and Casey Grillo, NP**

- **Lumbar Spinal Stenosis Treatments – PILD vs Spacers vs Surgery**
Ashley Comer, MSN, APRN, FNP-C and Hannah Sisti, PA-C
- **Low Back Pain Treatments
– Basivertebral Nerve Ablation vs Restorative Stimulation**
Collin Duffy, PA and Kristen Klein, AGNP-C
- **PNS vs DRG**
Nicole Busch, AGCNS-BC and Casey Grillo, NP

11:30-12:00 PM **Panel discussion with Timothy Deer, MD**
**Integration best practices – How to become a leader in your practice, enhance edu-
cation, develop algorithms, prevent burnout, and promote wellness**
Panel members: Ashley Comer, MSN, APRN, FNP-C, Casey Grillo, NP,
Kristen Klein, AGNP-C, Megan Filoramo, APN-C, Ruchi Sharma, MD

12:00-1:00 PM **APP Lunch Symposium**

Palisades Room

Sponsored by Bronze Sponsor Mainstay Medical

Restorative Neurostimulation: Next Generation of CLBP Treatment

Presenters:

- Kristen Klein, AGNP-C
- Dan Pak, MD

No CME credit hours are available for this session.

1:00-5:30 PM **Join the main Congress sessions in Hudson Ballroom**

CONGRESS PROGRAM

DAY 1 ■ Thursday, November 7, 2024 ■ Hudson IV, V, VI Room

Program Chair: **Sudhir Diwan, MD**

Vice Chairs: **Scott Woska, MD, Christopher Gharibo, MD**

Course Directors: **Andrew Kaufman, MD, Robert Tiso, MD, Sayed Emal Wahezi, MD,
Latrice Akuamoah, MD**

12:50-1:00 PM **Welcome Remarks**
Sudhir Diwan, MD, Scott Woska, MD, Christopher Gharibo, MD

SESSION 1 REGENERATIVE MEDICINE I.

Moderator: Sudhir Diwan, MD

🕒 1:00-3:00 PM

1:00-1:20 PM **Intradiscal Biologics: Allogenic vs. Autologous**
Aaron Calodney, MD

1:20-1:40 PM **Intradiscal BMAC for Disc Regeneration after Microdiscectomy**
Roger Hartl, MD

1:40-2:00 PM **Peripheral Blood Derived VSEL Stem Cells, Expanded Indications**
Annu Navani, MD

2:00-2:20 PM **Subchondral Injections of Biologics for Disc Degeneration**
Sudhir Diwan, MD

2:20-2:40 PM **Use of Peridural Bone Marrow Aspirate in the Treatment of Spinal Cord Injuries**
Victor Pacheco, MD (Brazil)

2:40-3:00 PM **Panel Discussion with Doug Beall, MD**
Panel members: Aaron Calodney, MD, Roger Hartl, MD, Sudhir Diwan, MD,
Annu Navani, MD, Victor Pacheco, MD

3:00-3:30 PM **Coffee Break with Exhibitors / Scientific Poster Viewing**

SESSION 2 REGENERATIVE MEDICINE II.

Moderator: Annu Navani, MD

🕒 3:30-6:00 PM

3:30-3:50 PM **Cutting Edge Stem Cells Research Transforming Spinal Pain Management**
Giuliano Lo Bianco, MD (Italy)

3:50-4:10 PM **Clinical Advances on Culturing and Cryopreservation of MSC from Autologous Adipose Tissue**
Ricardo Ruiz-Lopez, MD (Spain)

4:10-4:30 PM **Regenerative Approach to Whiplash Associated Disorders**
Agnes Stogicza, MD (Hungary)

4:30-4:50 PM **Role of PRP/Stem Cell to Heal Annular Tear after Endoscopic Discectomy**
Robert Rapcan, MD (Slovakia)

4:50-5:05 PM **Biotensegrity and Functional Unit Approach in Regenerative Medicine**
George Chang Chien, DO

5:05-5:20 PM **Orthobiologics for Osteoarthritis: Intraarticular vs Subchondral Injections**
Jesus Medina, MD (Mexico)

5:20-5:35 PM **Prolotherapy: Clinical Applications and Evidence**
Camila Lobo Ferreira, MD (Brazil)

5:35-6:00 PM **Keynote lecture:
Blurring the Boundaries between Biologics and Technology: 2024 and Beyond**
Annu Navani, MD

6:00-7:00 PM **Wine & Cheese Welcome Reception with the Exhibitors** **Exhibition Area**

No CME credit hours are available for this session.

CONGRESS PROGRAM

DAY 2 ■ Friday, November 8, 2024 ■ Hudson IV+V+VI Room

7:00-7:50 AM **Breakfast Symposium** **Harborside Room**

Sponsored by Silver Sponsor Nalu

**Elevating the Standard:
Nalu PNS Data and Reimbursement Insights for Optimized Pain Management**

Presenters:

- Dr. Leonardo Kapural
- Dr. Ali Valimahomed
- Mike Tintera, VP Market Access (Nalu)

No CME credit hours are available for this session.

7:50-8:00 AM **Welcome Remarks**

Scott Woska, MD

SESSION 3 NEUROMODULATION I.

Moderator: Andrew Kaufman, MD

8:00-10:00 AM

8:00-8:20 AM **Neuromodulation for Peripheral Neuropathy vs. Mononeuropathy**

Leonardo Kapural, MD

8:20-8:35 AM **Neuromodulation for Brachial Plexopathy**

Tiago Freitas, MD (Brazil)

8:35-8:50 AM **Current Advances in Closed Loop Stimulation**

Corey Hunter, MD

8:50-9:05 AM **Nonsurgical Neurolytic Procedures for Neuropathic Pain**

Mayank Gupta, MD

9:05-9:20 AM **Updates in Neuromodulation for Visceral Pain**

Andrew Kaufman, MD

9:20-9:40 AM **Delayed Gratification. The Process of Improving Your Mind by Suffering**

Timothy Deer, MD

9:40-10:00 AM **Panel Discussion with Andrew Kaufman, MD**

Recent Advances in Neuromodulation

Panel members: Christopher Gilligan, MD, Rodrigo Diez Tafur, MD, Tiago Freitas, MD, Danielle Kohr, MD, Sandeep Rathi, MD

10:00-10:30 AM **Coffee Break with Exhibitors / Scientific Poster Viewing**

SESSION 4 NEUROMODULATION II.

Moderator: Christopher Gharibo, MD

10:30 AM-12:30 PM

10:30-10:45 AM **Innovation Explosion in SCS Industries: What is the Best Option?**

Sean Li, MD

10:45-11:00 AM **Lateral vs. DRG vs. PNS: What is the best, if any?**

Adnan Al-Kaisy, MD (UK)

11:00-11:15 AM **SCS Trial: Do We Need a Trial?**

Ashish Shetty, MD (UK)

11:15-11:30 AM **DRG for Exal Low Back Pain**

Kenneth Chapman, MD

11:30-11:45 PM **Hybrid Lead Placement for Chronic Neuropathic Pain**

Fabricio Dias Assis, MD (Brazil)

11:45-12:00 PM **Complex Regional Pain Syndrome CRPS: Infusions to Neuromodulation**

Alaa Abd-Elsayed, MD

12:00-12:15 PM **SCS for Pain in Spinal Cord Injury**

Rodrigo Diez Tafur, MD (Peru)

12:15-12:30 PM **Next Generation Peripheral Nerve Stimulation:**

Advancements in Waveforms, Hardware, and Targets

Dawood Sayed, MD

12:30-1:30 PM **Lunch Symposium** **Manhattan Ballroom**

Sponsored by Platinum Sponsor Medtronic

Inceptiv™ SCS with Closed Loop Technology: A New Era of SCS

Presenters:

- Dr. Krishnan Chakravarthy
- Dr. Amit Gulati
- Dr. Nomen Azeem

No CME credit hours are available for this session.

SESSION 5 CANCER PAIN UPDATES

Moderator: Vinay Puttanniah, MD

🕒 1:30-3:30 PM

- 1:30-1:45 PM **Multidisciplinary Pain Control in Cancer Patients; State of the Art**
Carlos Marcelo De Barros, MD, PhD (Brazil)
- 1:45-2:00 PM **Visceral Neurolytic Blocks for Cancer Pain**
Ale Ismael Gonzalez, MD (Mexico)
- 2:00-2:15 PM **Neuromodulation in Cancer Pain Management**
Jee Yoon Moon, MD, PhD (South Korea)
- 2:15-2:30 PM **IDDS: Novel Dosing Parameters**
Hemant Kalia, MD
- 2:30-2:45 PM **Intrathecal Compounding: The lessons we learned!**
Anjum Bux, MD
- 2:45-3:00 PM **CDC Guidelines: What is in? What is out?**
David Reece, DO
- 3:00-3:15 PM **Osteogenic Pain: A Novel Concept**
Ricardo Plancarte Sanchez, MD, PhD (Mexico)
- 3:15-3:30 PM **Panel discussion with Vinay Puttanniah, MD
Advances in Cancer Pain**
Panel members: Neel Mehta, MD, Juan De La Cruz Pineda, MD, Sayed Emal Wahezi, MD,
Eucelin Nohelia Villalobos Medina, MD (Venezuela), Christopher Gharibo, MD
- 3:30-4:00 PM **Coffee Break with Exhibitors / Scientific Poster Viewing**

SESSION 6 EDUCATION AND RESEARCH

Moderator: Miles Day, MD

🕒 4:00-6:00 PM

- 4:00-4:40 PM **Abstract Presentation and Awards**
Scientific Committee: Miles Day, MD, Helen Blake, MD, Neel Mehta, MD,
Karina Gritsenko, MD
- 4:40-4:55 PM **Interventional Pain Medicine:
Bridging the Bio-Psycho-Social Abyss in Pain Management**
Michael E. Schatman, PhD, CPE
- 4:55-5:10 PM **Education and Mentorship: Fellowship and Beyond**
Helen Blake, MD
- 5:10-5:25 PM **AI in Pain Management Advancements, Applications and Possibilities**
Carlos Guerrero, MD (Colombia)
- 5:25-5:40 PM **Therapies for Painful Diabetic Neuropathy**
Neel Mehta, MD
- 5:40-6:00 PM **Keynote Lecture:
Cutting Edge Technology Research: Bench to Bedside and Marketing**
Ricardo Vallejo, MD

- 6:30-7:30 PM **Cocktail Hour** **Manhattan Prefunction**
Sponsored by Platinum Sponsor Boston Scientific
- Transforming the Future of Interventional Pain
Featuring Automation in SCS Therapy and the Next-Gen Intracept™ Procedure**
Opening remarks from Boston Scientific: Brian Gryboski & Jeff Shapiro
Featured Faculty: William Caldwell, DO & Brian Durkin, DO
- 7:30-10:30 PM **Gala Dinner and Award Presentation / Black Tie Event** **Manhattan Ballroom**
- Master of Ceremony:** Joel Revesz and Carlos Restrepo, MD (Colombia)
Welcome Remarks: Sudhir Diwan, MD
- Introduction for Advanced Practice Provider Excellence Awardee:** Casey Grillo, NP
Advanced Practice Provider Excellence Award Presentation: Kristen Klein, AGNP-C
- Introduction for Outstanding Pain Physicians Awardee:** Christopher Gharibo, MD
Outstanding Pain Physician Award Presentation: Steve Aydin, DO
- Introduction for International Scholar Awardee:** Sudhir Diwan, MD
International Scholar Award Presentation: Victor Silva, MD (Mexico)
- Introduction for Distinguished Service Awardee:** Timothy Deer, MD
Distinguished Service Award Presentation: Annu Navani, MD
- Introduction for Lifetime Achievement Awardee:** Miles Day, MD
Lifetime Achievement Award Presentation: Doug Beall, MD
- Music:** The Blue Abyss Yacht Rock Band

CONGRESS PROGRAM

DAY 3 ■ Saturday, November 9, 2024 ■ Hudson IV+V+VI Room

7:00-7:50 AM **Breakfast Symposium** **Harborside Room**

Sponsored by Platinum Sponsor Boston Scientific

Broadening Your Treatment Algorithm with Differentiated Interventions

Presenters:

- William Caldwell, DO
- Brian Durkin, DO

No CME credit hours are available for this session.

7:50-8:00 AM **Welcome Remarks**
Sudhir Diwan, MD

SESSION 7 MINIMALLY INVASIVE SPINE I.

Moderator: Robert Tiso, MD

🕒 8:00 -10:00 AM

- 8:00-8:15 AM **Vertebrogenic Pain: Changing the Paradigm**
Brian Durkin, DO
- 8:15-8:30 AM **Hight Restoration after Vertebral Fracture**
Jose De Andres, MD (Spain)
- 8:30-8:45 AM **Interspinous Fixation: The Indications and Outcomes**
Anish Patel, MD
- 8:45-9:00 AM **Pulsed, Bipolar, and Bipolar Pulsed Radiofrequency of Spine**
Tsung-Yung (Donald) Tang, MD (Taiwan)
- 9:00-9:15 AM **Epidural Steroids-Particulate vs. Non-Particulate: What did we learn?**
Yu-Chuan (Grace) Tsai, MD
- 9:15-9:30 AM **Anticoagulation Guidelines for Spinal Procedures**
Ignacio Reyes Torres, MD (Mexico)
- 9:30-9:35 AM **LAPS (Latin American Pain Society) Introduction**
Sudhir Diwan, MD, Ricardo Plancarte Sanchez, MD and Victor Silva, MD
- 9:35-10:00 AM **Keynote Lecture: Spine Surgery in the 21st Century: Percutaneous vs. Open**
Doug Beall, MD

10:00-10:30 AM **Coffee Break with Exhibitors / Scientific Poster Viewing**

SESSION 8 MINIMALLY INVASIVE SPINE II.

Moderator: Scott Woska, MD

🕒 10:30 AM -12:30 PM

- 10:30-10:45 AM **Painful Spine: The Medical Diseases often Ignored**
Scott Woska, MD
- 10:45-11:00 AM **Integrating Spine Surgery with Pain Management: A Synergistic Approach to Lumbar Spinal Stenosis**
Maria Constanza Bedoya, MD (Colombia)
- 11:00-11:15 AM **Treatment Algorithms for Ant/Post Column Axial Back Pain**
Daniel Pak, MD
- 11:15-11:30 AM **Restorative Neuromodulation for Dysfunctional Multifidus**
Christopher Gilligan, MD
- 11:30-11:45 PM **Posterolateral MIS Fusion for Degenerative Instability**
Baher Yanni, MD
- 11:45-12:05 PM **Endoscopic Spine: Can we avoid FBSS?**
Sukdeb Datta, MD
- 12:05-12:30 PM **Keynote Lecture: Minimally Invasive Procedures for Central and Neuroforaminal Spinal Stenosis: Are We Actually Changing Anything?**
Steve Aydin, DO

12:30-1:30 PM **Lunch Symposium** **Manhattan Ballroom**

Sponsored by Gold Sponsor SPR Therapeutics

PNS Master Minds: SPRINT® PNS Edition

Presenters:

- Tim Deer, MD
- Sean Li, MD
- Amit Gulati, MD
- Harry Sukumaran, MD
- Ali Valimahomed, MD
- Maricela Schnur, MD
- Kiran Patel, MD

No CME credit hours are available for this session.

SESSION 9 CHALLENGES OF INTERVENTIONAL PAIN PRACTICE

Moderator: Latrice Akuamoah, MD

🕒 1:30 -3:40 PM

- 1:30-1:45 PM **Challenging Times Practicing Interventional Pain**
Robert Tiso, MD
- 1:45-2:00 PM **Local Politics, Lobbying and Legislators**
Edward Rubin, MD
- 2:00-2:15 PM **Update in Sphenopalatine Ganglion Block: Target for Headaches**
Manuel Herrero Trujillano, MD (Spain)
- 2:15-2:30 PM **Stellate Ganglion Block: Beyond Pain Relief**
Juan Felipe Vargas, MD (Colombia)
- 2:30-2:45 PM **Fascia and Nerve Hydrodissection for Upper Back Pain**
Wesley Chih-Chun Chen, MD (Taiwan)
- 2:45-3:00 PM **Infusion Therapies for Chronic Pain: Review of the Evidence**
Tolu Alugo, MD (Canada)
- 3:00-3:15 PM **Navigating Expanding Armamentarium for Optimal Patient Outcome**
Latrice Akuamoah, MD
- 3:15-3:40 PM **Keynote Lecture: Review of Neuroanatomy of SIJ and Radiofrequency Ablation: Introducing a Novel Approach**
Victor Silva, MD (Mexico)
- 3:40-4:00 PM **Coffee Break with Exhibitors / Scientific Poster Viewing**

SESSION 10 ADVANCED NEUROMODULATION

Moderator: Konstantin Slavin, MD

🕒 4:00 -6:00 PM

- 4:00-4:15 PM **Extraforaminal Nerve Root Stimulation for Neuropathic Pain**
Danielle Kohr, MD (Germany)
- 4:15-4:35 PM **Neuromodulation for Complex Facial Pain and Headache**
Miles Day, MD
- 4:35-4:50 PM **Evidence Based Interventions for Headaches**
Carlos Restrepo, MD (Colombia)
- 4:50-5:10 PM **Focused Ultrasound for Chronic Pain**
Leonardo Kapural, MD
- 5:10-5:25 PM **Knee RFA: Best Evidence to Knee Ablative Options? Best Evidence?**
Karina Gritsenko, MD
- 5:25-5:40 PM **Hip Denervation: The Best Practice**
Juan De La Cruz Pineda, MD (Mexico)
- 5:40-6:00 PM **Future of Neuromodulation in Chronic Pain**
Konstantin Slavin, MD

6:00-6:30 PM

**NYSIPP State Society Meeting
NJSIPP State Society Meeting**

**Hudson Room
Harborside Room**

7:00-10:30 PM

Faculty Dinner (invitation only)

Venue: Yacht Atlantica
Meeting point & time: Hyatt Regency lobby at 6:30 PM, we walk together to Hyatt Dock
Boarding: from 6:35 PM
Sail: 7:00 PM / Return: 10:30 PM

No CME credit hours are available for this session.

SUNDAY WORKSHOP PROGRAM

Sunday, November 10, 2024

Cadaver Workshop

Sunday, November 10, 2024 (8:00 AM-12:00 PM)

CME Program

Hudson I+II+III Room

Directors

Sudhir Diwan, MD
Christopher Gharibo, MD
Scott Woska, MD
Victor Silva, MD

Faculty

Adnan Al-Kaisy, MD
Doug Beall, MD
Anjum Bux, MD
Aaron Calodney, MD
Kenneth Chapman, MD
Sukdeb Datta, MD
Miles Day, MD
Fabricio Dias Assis, MD
Sudhir Diwan, MD

Leonardo Kapural, MD
Andrew Kaufman, MD
Daniel Pak, MD
Sandeep Rathi, MD
Ignacio Reyes Torres, MD
Victor Silva, MD
Harry Sukumaran, MD
Scott Woska, MD
Baher Yanni, MD

Stations Procedure

Station	Procedure
Station 1	Peripheral Nerve Stimulation
Station 2	Peripheral Nerve Stimulation
Station 3	Kyphoplasty
Station 4	Lysis of Adhesion – Site-Specific Catheter Procedures
Station 5	Vertiflex
Station 6	Lateral Arthrodesis
Station 7	Percutaneous Image-Guided Lumbar Decompression
Station 8	NeurolyserXR (not included in the CME program)

Attendees rotate through each station – 30-minute rotations.

Ultrasound Workshop

Sunday, November 10, 2024 (8:00 AM-12:00 PM)

CME Program

Hudson IV+V+VI Room

Directors

George Chang Chien, DO
Jesus Medina, MD
Ashish Shetty, MD
Steve Aydin, DO

Faculty

Tolu Alugo, MD
Sachin Alva, MD
Steve Aydin, DO
George Chang Chien, DO
Wesley Chih-Chun Chen, MD
Rodrigo Diez Tafur, MD
Brian Durkin, MD
Ale Ismael Gonzalez, MD
Manuel Herrero, MD

Camila Lobo, MD
Jesus Medina, MD
Juan Pineda, MD
Ashish Shetty, MD
Agnes Stojicza, MD
Donald Tang, MD
Juan Felipe Vargas, MD
Edward Yoon, MD

Station 1	Station 2	Station 3
Head and Neck <ul style="list-style-type: none"> Greater occipital nerve Third occipital nerve Stellate ganglion Cervical facets/MBB Cervical nerve roots 	Shoulder <ul style="list-style-type: none"> Long head of biceps Suprascapular nerve Shoulder articular branches Subacromial subdeltoid bursa Acromioclavicular joint Glenohumeral joint Axillary nerve 	Posterior Pelvis <ul style="list-style-type: none"> Pudendal Piriformis Obturator internus SI Joint Posterior Femoral cutaneous nerve of thigh
Station 4	Station 5	Station 6
Lumbar Spine / Thorax <ul style="list-style-type: none"> MBB/Facets Caudal Multifidus Intercostal Paravertebral block 	Lower Limb <ul style="list-style-type: none"> Knee – Genicular/Adductor canal/IPAC Hip – PENG GT Complex LFCN 	Thorax / Abdomen <ul style="list-style-type: none"> Intercostal Rectus sheath Quadratus Lumborum block Ilioinguinal/ IH Genitofemoral block TAP

Attendees rotate through each station – 40-minute rotations.

Regenerative Medicine Workshop

Harborside Room

Sunday, November 10 (8:00 AM-12:00 PM)

NON CME Program

Sponsored by Apex Biologics

Directors: Sudhir Diwan, MD, George Chang Chien, DO

- 8:00-8:30 AM **Exosome and its Applications**
Vince Liguori, Ageless Biotech & L2 Bio
- 8:30-9:00 AM **Bone Marrow Aspiration**
Sudhir Diwan, MD
- 9:00-9:30 AM **PRP Concentrations**
George Chang Chien, DO
- 9:30-10:00 AM **Adipose-Derived MSCs**
Vince Liguori, Ageless Biotech & L2 Bio

10:00 AM-12:00 PM **HANDS-ON WORKSHOP**

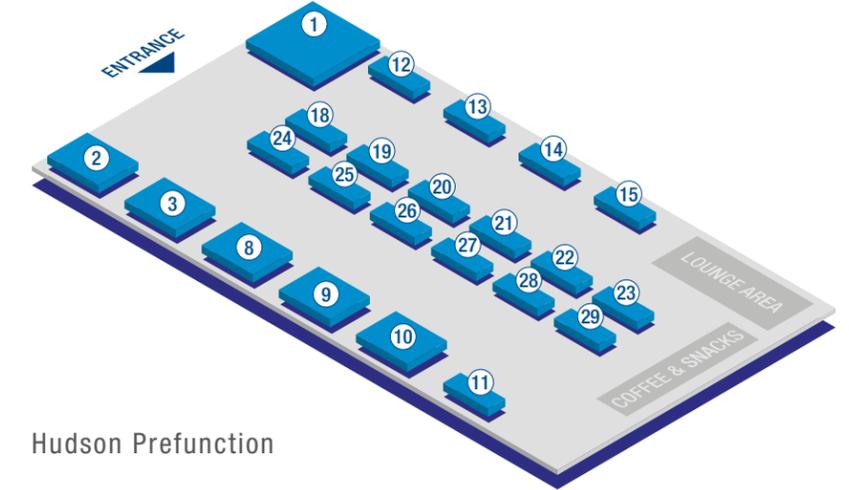
Stations	Procedure
Station 1	Bone Marrow Aspiration – Sudhir Diwan, MD
Station 2	Harvesting PRP – George Chang Chien DO
Station 3	Harvesting Adipose Derived MSCs – Vince Liguori, Ageless Biotech & L2 Bio
Station 4	A2M Concentrations – Brad Unsicker, Apex Biologix

Attendees rotate through each station – 30-minute rotations.

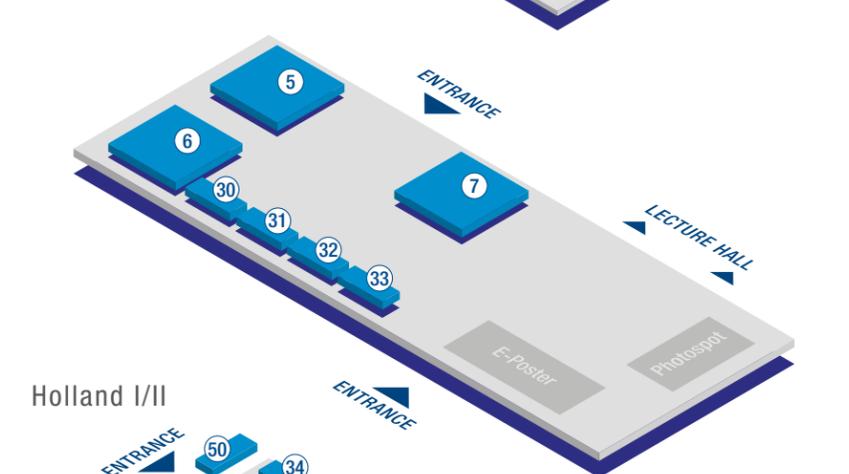
FLOORPLAN

- 1 Nalu
- 2 Abbott
- 3 Mainstay Medical
- 5 Medtronic
- 6 SPR
- 7 Boston Scientific
- 8 Epimed
- 9 Nevro
- 10 Saluda Medical
- 11 NANISX
- 12 SI-BONE
- 13 Biotronik Neuro
- 14 AIS Healthcare
- 15 Protega Pharmaceuticals
- 18 Curonix
- 19 Avanos
- 20 Regenexx
- 21 CornerLoc
- 22 Stratus Medical
- 23 Tenon Medical
- 24 Spinal Simplicity
- 25 SCILEX Holding
- 26 Salix Pharmaceuticals
- 27 Forte Bio-Pharma
- 28 Trice Medical
- 29 Advanced Orthopaedics
- 30 The Mark Shaparin Foundation
- 31 Stryker
- 32 PainCast
- 33 Mega Aid
- 34 Elliquence
- 35 Basic Home Infusion
- 36 PainTEQ
- 37 RGS Healthcare
- 38 Milestone Scientific Inc.
- 39 InFormed Consent
- 40 GE Healthcare
- 41 Vertex
- 42 MLMIC Insurance
- 43 APEX Biologics
- 44 Aspen Medical
- 45 SurGenTec
- 46 TerSera Therapeutics
- 47 Pentec Health
- 48 Hudson Regional Hospital
- 49 PainExam
- 50 Clint Pharmaceuticals

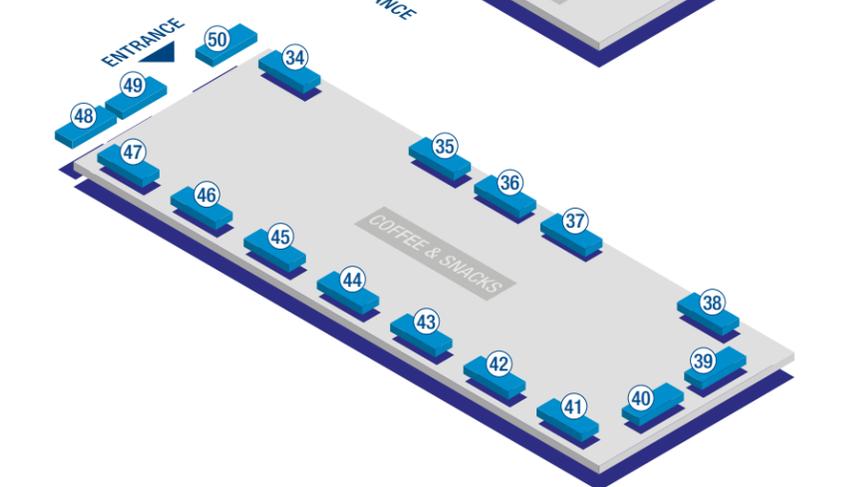
Hudson I/II/II



Hudson Prefunction



Holland I/II



COMPANIES



Abbott

Abbott is a global healthcare leader that helps people live more fully at all stages of life. We create breakthrough products – in diagnostics, medical devices, nutrition and branded generic pharmaceuticals – that help you, your family, and your community lead healthier lives, full of unlimited possibilities. Today, 113,000 of us are working to make a lasting impact on health in the more than 160 countries we serve. www.abbott.com



Advanced Orthopaedics

Based out of Philadelphia, PA, Advanced Orthopaedics is the premiere manufacturer of high-quality orthopedic bracing and supports and is a leading supplier to pain management specialists throughout the United States. For over 25 years, we have been the trusted name in the orthopedic soft good industry. Today, we continue to lead the market with extraordinary PDAC approved products, engineered for superior comfort and clinical performance for your patients. With Advanced Orthopaedics you can begin A New Day of Healing™.



AIS Healthcare

As the largest and leading TDD provider, AIS Healthcare is focused on raising the bar for quality, putting patient safety and well-being first. From the unparalleled sterility standards in our compounding pharmacies to our skilled nursing, pharmacy and financial services teams, we strive to enhance the care experience for everyone.



Apex Biologics

We strive to provide our customers with the latest regenerative medicine equipment and supplies to keep them at the cutting edge of one of the most exciting and promising areas of modern medicine. Our inventory of equipment and supplies includes FDA-registered Class II PRP kits. Our XCELL PRP kits are exceptional in their ability to maximize platelet count through a unique design that reduces total processing time and mitigates the risk of human error. Our system can produce both leukocyte-rich and leukocyte-poor PRP utilizing a variety of centrifuge systems, including some Eppendorf models.



Aspen

As a leader in the design, development and marketing of orthotics, Aspen's core philosophy is to innovate and advance clinically-based solutions focused on serving the needs of healthcare professionals and enhancing patients' lives.



Avanos

Avanos is a medical technology company focused on delivering clinically superior solutions to help patients get back to the things that matter. Headquartered in Georgia, Avanos is committed to addressing some of today's most important healthcare needs, including reducing opioid use while helping patients move from surgery to recovery.



Basic Home Infusion

Basic Home Infusion specializes in providing pharmacy and nursing services for intrathecal pumps nationwide for chronic pain and spasticity. Over 30 years of unmatched experience and reputation providing patient-specific medications, at-home pump refills, dose titrations, and MRI support, with excellence in safety, quality, service, and access to optimize therapeutic outcomes and improve quality of life.



Biotronik Neuro

At BIOTRONIK Neuro, we're ready to redefine relief for patients experiencing chronic pain. Leveraging BIOTRONIK's advanced cardiovascular technologies, BIOTRONIK Neuro has created a new approach to SCS therapy management: one that's not just implanted, but truly connected to the needs of patients and providers.



Boston Scientific

Boston Scientific is dedicated to transforming pain management by providing physicians with essential solutions to meet the needs of millions of patients suffering from chronic pain. Our growing portfolio for the complete treatment algorithm includes leading technologies in spinal cord stimulation, vertebroprogenic pain relief, radiofrequency ablation and minimally invasive indirect decompression. www.bostonscientific.com/pain



Clint Pharmaceuticals

Established in 1987, Clint Pharmaceuticals is an industry-leading provider of high-quality FDA-approved injectable pharmaceuticals. CPI is not a compounding pharmacy. Clint Pharmaceuticals also distributes interventional pain management procedural trays and needles, orthopedic soft goods, and radiation protection apparel to physician offices and medical clinics throughout the United States.



CornerLoc

CornerLoc™ – Offering both the proven CornerLoc™ graft and the new modular TransLoc 3D™ SI Joint Fusion System. TransLoc 3D™ has both a posterior implant and lateral oblique screw and can be used to create a truly 3-dimensional hybrid construct, or the screws can be used as a transfixing compression system.



Curonix

Curonix LLC offers the Freedom® PNS and SCS neurostimulator systems powered by a unique and innovative wireless energy transfer to the implanted electrode array and receiver through HF-EMC. Curonix's FDA-cleared product portfolio can treat nerves from the neck down that are causing chronic pain.



Elliquence

Elliquence educates physicians on how to perform the least invasive procedural solutions for spine pathologies and manufactures the tools to support them. elliquence supplies a comprehensive variety of endoscopic spine systems along with the Disc-FX® discectomy system and our family of Trigger-Flex® steerable bipolar handpieces, ALL OF WHICH ARE USED WITH OUR Surgi-Max® Ultra GENERATOR, a unique HIGH FREQUENCY LOW HEAT RF energy source, that spares healthy tissue while precisely treating pathology.



Epimed

For over 40 years, Epimed has been designing and manufacturing innovative medical devices, specializing in interventional pain management with a focus on improving outcomes and ensuring safety. Our product offerings include Site-Specific Catheters (such as the Rac2®), RX-2™ Epidural Needles, Coudé® Blunt Nerve Block Needles, a comprehensive line of RF™ devices, Regenerative Medicine PRP kits, and the PainBlocker™ Cryoanalgesia System. www.epimed.com.

FORTE BioPharma **Forte Bio-Pharma**

Forte Bio-Pharma is a privately owned, specialized pharmaceutical firm with a company emphasis on acquiring, advancing, and bringing pain relief medications to market. At our core, we are a company driven by a strong set of values, dedicated to enhancing the well-being of patients and shaping a more promising future for them.



FUSmobile

The Neurolyser XR utilizes High Intensity Focused Ultrasound (HIFU) technology to achieve safe and precise thermal ablation of neural tissue at the bone tissue interface. This state-of-the-art system combines fluoroscopic guidance with HIFU, allowing for accurate targeting and effective ablation of the lumbar medial branch nerves, thereby reducing pain and improving patient outcomes. Neurolyser XR is an investigational device in the USA.

GE Healthcare

Featuring a consistent experience to help POCUS users at all levels perform, the Venue™ family of AI-enabled point-of-care systems deliver simple, fast, and precise ultrasound for every moment. Plus, wireless dual probe connectivity for the whole family, to help you untether from your scanning and space constraints.

HRH HUDSON REGIONAL HOSPITAL **Hudson Regional Hospital**

Hudson Regional Hospital is the Premier Hospital providing comprehensive care to Northern New Jersey. HRH is home to the Institute for Robotic Surgery and is the #1 Hospital Choice for Surgery. Our mission is to build a healthier community through exceptional care, sophisticated technology, and knowledgeable physicians.

inFormed **InFormed Consent**

inFormed Consent has developed an app that provides procedure specific videos containing all required information a patient needs to consent to a surgical procedure. As the patient watches the video the front facing camera records them creating a digital document the patient was fully informed.

Mainstay Medical

Mainstay Medical is a medical device company offering a new therapeutic solution for adults suffering from mechanical chronic low back pain (CLBP). ReActiv8 Restorative Neurostimulation is a rehabilitative therapy designed to address impaired neuromuscular control and degeneration of the multifidus muscle linked to mechanical CLBP. ReActiv8 overrides underlying multifidus inhibition by eliciting episodic, isolated contractions which, over time, can facilitate recovery from mechanical CLBP.

Medtronic

Medtronic is one of the leaders in pain management innovation and technology, with the guidance of our mission to alleviate pain, restore health, and extend life. Learn how Medtronic is shaping the future of pain management and improving the lives of patients around the world. Medtronic is proud to invest in teaching and offering our clinicians multiple treatment options including Inceptiv, the most advanced SCS system with closed loop technology.

MEGAID **Mega Aid**
Compounding Pharmacy

Mega Aid is a PCAB/ACHC-accredited compounding pharmacy with an in-house medication therapy management service. We are making transdermal medications for pain management with multiple active ingredients and reporting treatment outcomes to the healthcare provider.



Milestone Scientific Inc.

Milestone Scientific Inc. (NYSE: MLSS) is a leading developer of computerized drug delivery instruments that provide painless and precise injections for medical applications. The company is now focusing on its commercial activities, following the recent achievement of a granted Medicare Part B Physician payment rate with First Coast Service Options Inc. (FCSO) and Novitas Solutions, Inc. for the CompuFlo® Epidural System under the American Medical Association's (AMA) technology-specific Category III CPT® code CPT0777T (real-time pressure-sensing epidural guidance system when used in conjunction with a primary ESI procedure). The favorable Medicare Price Assignment was granted across multiple Jurisdictional Medicare Administrative Contractors (JMAC) regions, including key states such as Florida, Texas, Pennsylvania, New Jersey, Maryland, Colorado, Oklahoma, Louisiana, Arkansas, Mississippi, New Mexico, District of Columbia, and Delaware.



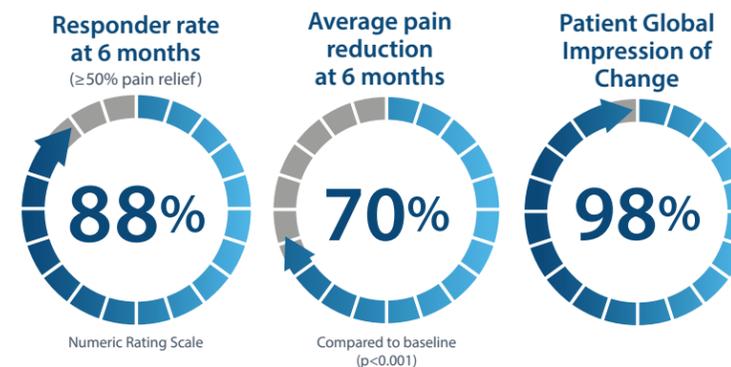
MLMIC Insurance

MLMIC Insurance Company is New York State's leader in medical malpractice insurance and has been meeting the professional liability needs of healthcare professionals for nearly 50 years. MLMIC has successfully defended more New York physicians than any other New York medical liability insurer. In 2018, MLMIC was acquired by Berkshire Hathaway, launching a new era as New York's premier medical professional liability carrier.



Nalu Medical

Nalu Medical, Inc. offers innovative solutions for chronic neuropathic pain. The Nalu Neurostimulation System includes a micro-IPG and wearable Therapy Disc, FDA-cleared for spinal cord and peripheral nerve stimulation. This award-winning system is engineered to address unmet pain treatment needs, it provides a unique value proposition for patients and physicians.



Results from the landmark COMFORT RCT set a new standard for peripheral nerve stimulation (PNS) technology. Published outcomes reinforce confidence in the Nalu PNS System to relieve pain and improve quality of life.

Scan the QR code to review the published report of COMFORT RCT 6-month data.



1. Hatheway J, Hersel A, Song J, et al. Clinical study of a micro-implantable pulse generator for the treatment of peripheral neuropathic pain: 3-month and 6-month results from the COMFORT-randomised controlled trial. *Reg Anesth Pain Med.* May 31 2024;doi:10.1136/rapm-2023-105264

Indications for Use: Spinal Cord Stimulation - The Nalu Neurostimulation System is indicated as the sole mitigating agent, or as an adjunct to other modes of therapy used in a multidisciplinary approach for chronic, intractable pain of the trunk and/or limbs, including unilateral or bilateral pain. The trial devices are solely used for trial stimulation (no longer than 30 days) to determine efficacy before recommendation for a permanent (long term) device. **Peripheral Nerve Stimulation** - The Nalu Neurostimulation System is indicated for pain management in adults who have severe intractable chronic pain of peripheral nerve origin as the sole mitigating agent, or as an adjunct to other modes of therapy used in a multidisciplinary approach. The Nalu Neurostimulation System is not intended to treat pain in the craniofacial region. The trial devices are solely used for trial stimulation (no longer than 30 days) to determine efficacy before recommendation for a permanent (long-term) device. **Contraindications:** Patients contraindicated for this therapy are those who are unable to operate the system, have failed trial stimulation by failing to receive effective pain relief, are poor surgical risks, and/or are pregnant. **General Warnings, Precautions, Adverse Events:** Please refer to the latest Instructions for Use provided with the Nalu Neurostimulation System for warnings, precautions, and potential adverse events prior to using the system. Nalu and the Nalu logo are trademarks of Nalu Medical, Inc. © 2024 Nalu Medical, Inc. All rights reserved. MKT-210044 Rev A





NANISX LLC

NANISX LLC is a leader in minimally invasive spine surgery, offering state-of-the-art technologies designed to improve patient care and surgical efficiency. NANISX is dedicated to enhancing spine care through cutting-edge products, research, and partnerships with healthcare providers and industry leaders, driving advancements that improve surgical precision and patient outcomes.



Nevro

Nevro is a global medical device company focused on delivering life-changing solutions to treat chronic back & leg, painful diabetic neuropathy, and sacroiliac (SI) joint pain. It has innovated Spinal Cord Stimulation (SCS) with its proprietary 10 kHz Therapy™. Nevro provides the most comprehensive SCS and SI joint portfolios.



PainCast

PainCast is an education streaming platform specifically designed for interventional pain specialists. It provides a virtual library of exclusive videos, journals, articles, podcasts, and more to its members. The platform boasts over 6,000 physician members from every corner of the globe, creating a diverse and highly skilled community focused on the field of pain management. Join PainCast to access cutting-edge resources. Basic Membership is free, opening doors to continuous learning and community engagement, or join PainCast Pro for an elevated experience. Visit the new Grand Rounds section to see the latest videos from your national and international societies, all in one place.

Learn more @PainCast.com, Contact: Maya@paincast.com



PainExam

NRAP Academy presents the PainExam Board Review and CME series featuring up to 49.5 CME Credits, over 17 hours of audio and video lectures. The PainExam Complete package includes: the Missed Keyword Lecture Series, Regenerative Medicine for Spine Disease Course, Imaging for the Pain Practitioner Lecture, and Ultrasound course for Interventional Pain Physicians. For live training and ultrasound workshops go to PainExam.com/events!



PainTEQ

PainTEQ is a Tampa based medical device company focused on providing breakthrough medical products that help patients eliminate chronic pain and provide a better quality of life. The LinQ procedure is the gold standard proven effective minimally invasive solution to address sacroiliac joint pain backed by clinical evidence with a superior safety profile.



Pentec Health

Pentec Health is committed to solving and simplifying care challenges for patients across the nation & is a trusted partner for providers. Our clinicians manage the complex therapy needs of chronic kidney disease, end stage renal disease, intrathecal pain management and spasticity, metastatic cancer as well as rare metabolic disorders requiring medical nutrition products. Pentec's unique solutions combine clinical expertise and empathy to deliver exceptional results that improve outcomes. To learn more about our extraordinary support for the complex care journey, please visit our website at pentechealth.com.



Protega Pharmaceuticals

Protega Pharmaceuticals is an innovative specialty pharmaceutical company focused on responsible pain management. We have focused our efforts on the development of novel abuse-deterrent products. Our vision is to become a valuable partner with medical practitioners by providing innovative therapies that exemplifies our commitment to patient health and safety.



Regenexx

Regenexx™ is a worldwide, physician network utilizing the world's most advanced bone marrow aspirate and blood platelet procedures for orthopedics. Regenexx is devoted to growing your regenerative medicine practice through a turnkey approach with advanced technology, precise treatment and candidacy guidelines, proven research with a patient registry database, extensive physician/lab training, insurance coverage, marketing with patient referrals, and continued support services.



RGS Healthcare

RGS Healthcare is the premier nationwide distributor of C-arms and ultrasound systems. We listen and align your clinical needs with your budgetary requirements. Contact us for more information.



Salix Pharmaceuticals

For 30 years, Salix Pharmaceuticals has been committed to the prevention and treatment of gastrointestinal diseases. Salix licenses, develops, and markets innovative products to improve patients' lives and arm healthcare providers with life-changing solutions. Salix is headquartered in Bridgewater, New Jersey.



Saluda Medical

Saluda is transforming patients' lives with disruptive neural sensing technologies to revolutionize the field of neuromodulation. The Evoke® System has 10+ years of advanced research, development, and clinical experience. It is the only SmartSCS™ to directly measure the spinal cord's physiologic response to stimulation using ECAPs to pioneer smart neuromodulation therapy. www.saludamedical.com



SCILEX Holding

SCILEX Holding Company is committed to the development and commercialization of nonopioid pain management products. GLOPERBA (colchicine oral solution) is the first and only liquid oral colchicine – designated for precision dosing below 0.6 mg in at-risk gout prophylaxis patient populations (Moderate-to-Severe renal impairment and those with GI Sensitivity). The company's also markets ZTlido® (lidocaine topical system) 1.8% for the treatment of neuropathic pain of post-herpetic neuralgia (PHN) and ELYXYB™ (celecoxib oral solution) for the acute treatment of migraine.



SI-BONE

SI-BONE, Inc. is a global leading medical device company specializing in Sacropelvic Solutions™. SI-BONE utilizes its iFuse Technology® to develop products to treat degenerative conditions, adult spinal deformity, and pelvic trauma. The iFuse Implant System®, a proprietary minimally invasive surgical implant system to fuse the sacroiliac joint, was launched in 2009 to treat sacroiliac joint dysfunction. The iFuse Implant System portfolio has expanded to include iFuse Bedrock Granite® to provide a solid foundation in spinal deformity surgery, and iFuse TORQ® for treatment of pelvic trauma including sacral fragility and insufficiency fractures. With more than 75,000 procedures worldwide performed by 3,000+ surgeons, and 100+ publications, iFuse is the leading choice in the surgical treatment of sacropelvic disorders.



Spinal Simplicity

Spinal Simplicity is a healthcare technology company dedicated to creating simple, innovative procedure solutions for our physician partners to help improve their patient's pain and quality of life. Our flagship technologies include Minuteman, Liberty-SI, Hero-SI and Patriot-SI. With over 150 patents granted globally, Spinal Simplicity remains committed to future innovation.



SPRINT® PNS System

The SPRINT® PNS System, by SPR® Therapeutics, marks an innovative shift in the treatment of pain. Our breakthrough, 60-day treatment is a First-Line™ PNS option uniquely designed to recondition the central nervous system to provide significant and sustained relief from chronic pain — without a permanent implant, nerve damage, or the risk of addiction. The system has been studied extensively for low back pain, shoulder pain, post-amputation pain, and chronic and acute post-operative pain, and is cleared for use up to 60 days. Recognized by leading pain management centers, the breakthrough neuromodulation treatment offers a patient-preferred alternative to more invasive options.



Stratus Medical

Stratus Medical is a medical device company focused on reducing pain and suffering and improving the quality of life for chronic pain patients through innovation. Our leading technology, the Nimbus Multitined Expandable Electrode was invented by a pain medicine physician who wanted a large-volume radiofrequency lesion to reduce the anatomical uncertainty when treating targeted nerves with the goal of providing predictable and sustained pain relief.



Stryker

SurgiCore is comprised of 11 state-of-the-art ambulatory surgery centers (ASCs) located in the Tri-State area. Our facilities are located in Paterson, Saddlebrook, Jersey City, Manalapan, Montvale, Queens, Brooklyn, Bronx, FarRockaway, and New York City (Fifth Avenue and Midtown). Our facilities are used by world-renowned physicians, surgeons, and anesthesiologists who are committed to highly personalized patient safety and care. With access to advanced medical technology, highly credentialed physicians, and convenient locations in New York and New Jersey, more surgeons are choosing to do business with SurgiCore.



SurGenTec

SurGenTec® is a medical device company revolutionizing orthopedic and spinal surgery technologies. Our engineers are dedicated to creating intuitive solutions that improve the quality of life for patients. By collaborating with experienced surgeons, leading experts, and global distributors we relentlessly improve the performance of our products.



Tenon Medical

The Catamaran® SI Joint Fusion System utilizes a minimally invasive, Inferior-Posterior approach to access the SI Joint. This innovative system features a single, robust Titanium implant designed to promote fusion by transfixing the SI joint along its longitudinal axis. www.tenonmed.com



TerSera Therapeutics

TerSera Therapeutics is a specialty pharmaceutical company headquartered in suburban Chicago with a focus on acute care, oncology, and non-opioid pain management. Our mission is to develop and market products which truly make a difference for patients. Our focus is to bring intelligent solutions to our customers that go beyond the therapy itself in order to provide improved patient outcomes.



The Mark Shaparin Foundation

The Mark Shaparin Foundation honors the life and legacy of Mark Shaparin through educational initiatives for healthcare providers and families to increase knowledge about Sudden Unexpected Death in Epilepsy (SUDEP). Their focus is on raising awareness about risk factors and preventative measures, while creating a robust national dialogue about SUDEP with the goal of saving lives.



Trice Medical

Trice Medical

Simpler procedures. Less procedure time. Quick recovery. That's Trice Medical, a growing family of solutions designed to uncomplicate routine procedures while cutting surgical and recovery time. It's new thinking about small procedures that can make a big difference for your patients.



Vertex

We strike at the core of serious diseases to change people's lives. Bringing together the brightest minds, investing in science, and taking smart risks, we go all in. For the lives we have changed and for those who are still waiting, we will never stop fighting until we discover cures. We have research and development sites and commercial offices around the world, all dedicated to bringing the next transformative treatments to people with serious diseases. Our headquarters are in Boston and London.

ENDORSEMENTS



Latin American Pain Society (LAPS)

The Latin American Pain Society (LAPS) was established to promote pain medicine education, encourage high-quality scientific research and publication, and provide highly skilled ultrasound and fluoroscopy-guided hands-on training courses to advance the evidence-based clinical practice of interventional pain throughout Latin America. LAPS is committed to putting all resources to bring academic leaders together on a common platform and unitedly works to raise the bar to offer the best pain care to their patients.

www.latinamericanpainsociety.com

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* In a market research study, SPRINT PNS was a patient-preferred treatment.

The SPRINT PNS System is indicated for up to 60 days for: (i) Symptomatic relief of chronic, intractable pain, post-surgical and post-traumatic acute pain; (ii) Symptomatic relief of posttraumatic pain; and (iii) Symptomatic relief of post-operative pain. The SPRINT PNS System is not intended to be placed in the region innervated by the cranial and facial nerves.

Physicians should use their best judgment when deciding when to use the SPRINT PNS System.

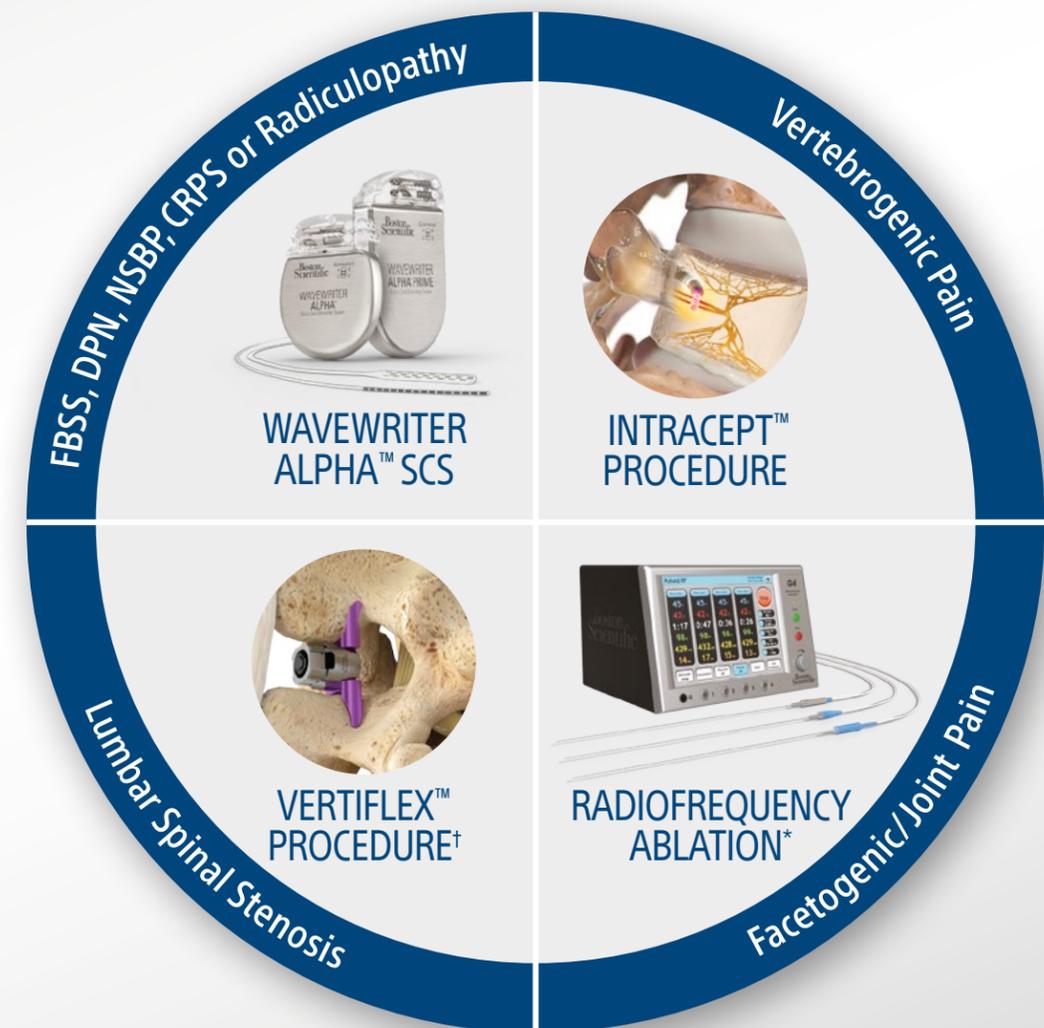
For more information see the SPRINT PNS System IFU. Results may vary. Rx only.

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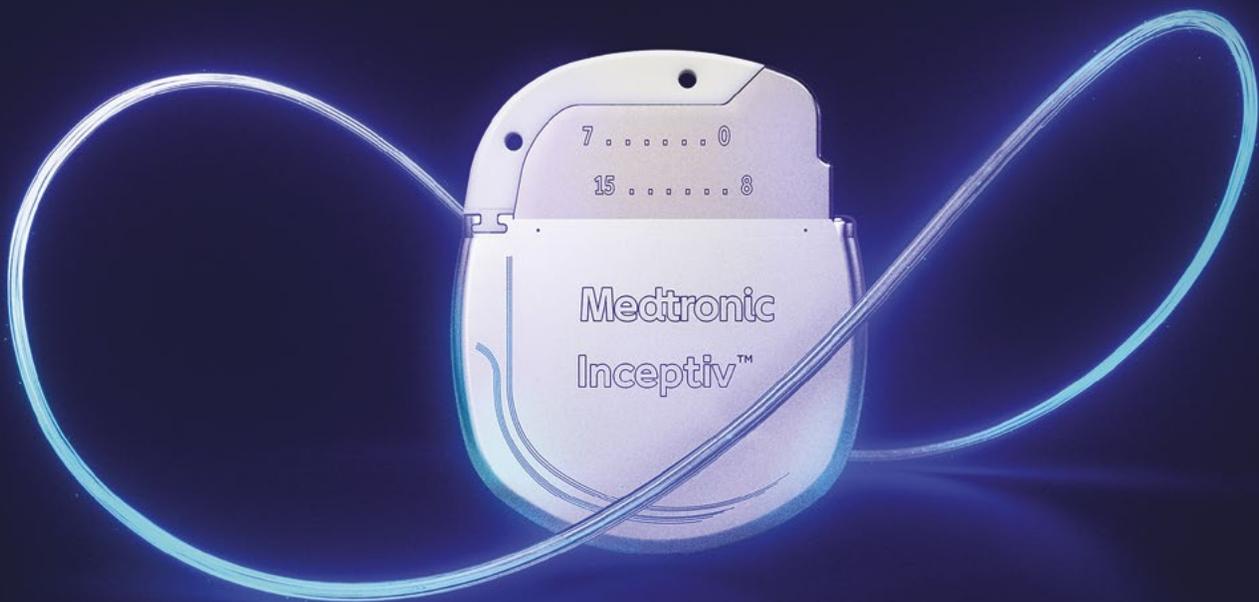
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SPINAL CORD STIMULATION BRIEF SUMMARY

INDICATIONS: Spinal cord stimulation (SCS) is indicated as an aid in the management of chronic, intractable pain of the trunk and/or limbs-including unilateral or bilateral pain.

CONTRAINDICATIONS: Diathermy - Energy from diathermy can be transferred through the implanted system and cause tissue damage resulting in severe injury or death.

WARNINGS: Sources of electromagnetic interference (e.g., defibrillation, electrocautery, MRI, RF ablation, and therapeutic ultrasound) can interact with the system, resulting in unexpected changes in stimulation, serious patient injury or death. An implanted cardiac device (e.g., pacemaker, defibrillator) may damage a neurostimulator, and electrical pulses from the neurostimulator may cause inappropriate response of the cardiac device. Patients with diabetes may have more frequent and severe complications with surgery.

A preoperative assessment is advised for some patients with diabetes to confirm they are appropriate candidates for surgery.

PRECAUTIONS: Safety and effectiveness has not been established for pediatric use, pregnancy, unborn fetus, or delivery. Avoid activities that put stress on the implanted neurostimulation system components. Recharging a rechargeable neurostimulator may result in skin irritation or redness near the implant site.

ADVERSE EVENTS: May include: undesirable change in stimulation (uncomfortable, jolting or shocking); hematoma, epidural hemorrhage, paralysis, seroma, infection, erosion, device malfunction or migration, pain at implant site, loss of pain relief, and other surgical risks. Adverse events may result in fluctuations in blood glucose in patients with diabetes.

Refer to www.medtronic.com for product manuals for complete indications, contraindications, warnings, precautions and potential adverse events. Rx only. Rev 0422

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