



New York & New Jersey Pain Medicine Symposium

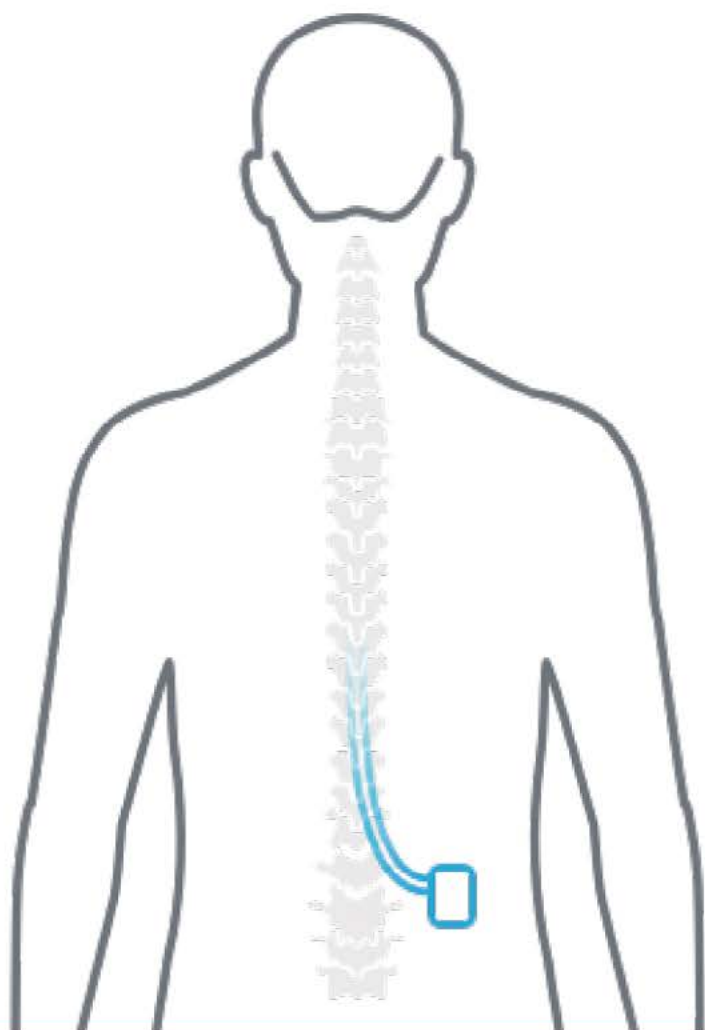
Evolving Advanced Pain Therapies

November 4-7, 2021 • The Hyatt Regency Jersey City, New Jersey



PROGRAM BOOK

Introducing HFX™ for Painful Diabetic Neuropathy (PDN)*



85% of patients achieved at least 50% pain relief¹



76% average pain relief¹



92% of patients were satisfied with the treatment¹

HFX™ Relief, multiplied.™

HFX is the only Spinal Cord Stimulation (SCS) system approved by the FDA to treat PDN

* HFX is a comprehensive solution that includes a Senza™ Spinal Cord Stimulation system and support services for the treatment of chronic pain, including painful diabetic neuropathy programmed with a frequency of 10 kHz.

¹ Petersen EA, Stauss TG, Scowcroft JA, et al. Effect of High-frequency (10-kHz) Spinal Cord Stimulation in Patients With Painful Diabetic Neuropathy: A Randomized Clinical Trial. JAMA Neurol. Published online April 05, 2021. doi:10.1001/jamaneurol.2021.0538



New York & New Jersey Pain Medicine Symposium

Dear Colleagues,

On behalf of the Chairman, Sudhir Diwan, MD, and Course Directors, Scott Woska, MD, Christopher Gharibo, MD, Kenneth Chapman, MD and Sean Li, 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 Symposium 2021: Evolving Advanced Pain Therapies. This year's meeting is being held November 4-7, 2021 at the Hyatt Regency Jersey City, New Jersey.

The NYSIPP & NJSIPP Pain Medicine Symposium was established in 2011 with the primary objectives of educating health care professionals to promote the development of safe, high quality, and cost effective practice of interventional pain management techniques for the diagnosis and treatment of pain and related disorders, and to insure 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 full day hands on cadaver and ultrasound course, incorporating didactic lectures with the hands-on practice for improved technique and patient outcomes for interventional procedures presented by nationally and internationally renowned experts. Additionally, we have focused pre-conference courses for residents and fellows, and 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 who 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 look forward to seeing you at the 10th Anniversary of the New York and New Jersey Pain Medicine Symposium in November, 2021!



Sudhir Diwan, MD
Executive Director
NYSIPP



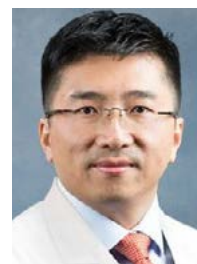
Scott Woska, MD
Course Director



**Christopher
Gharibo, MD**
Course Director



**Kenneth B.
Chapman, MD**
Course Director



Sean Li, MD
Course Director

Congratulations to our **2021** **AWARD WINNERS**

Please join all of us in recognizing these
3 amazing people
on Friday, November 5, 2021, 7:00-10:00 PM
Manhattan Ballroom



Timothy Deer, MD
*2021 Lifetime Achievement
Award Winner*



Dawood Sayed, MD
*2021 Outstanding Pain Physician
Award Winner*



Chih-Peng Lin, MD
*2021 International Scholar
Award Winner*

COMMITTEE & ORGANIZERS

NY/NJ Pain Medicine Symposium Executive Board

Program Chair: Sudhir Diwan, MD

Course Directors: Scott Woska, MD, Christopher Gharibo, MD, Kenneth Chapman, MD, Sean Li, MD

Fellows and Residents Pre-Conference Course Directors

Neel Mehta, MD and Andrew Kaufman, MD

PA and NP Pre-Conference Course Directors

Brandon Godbout, MD, Lauren Ronde, NP, Kristen Klein, NP

Cadaver Workshop Directors

Kenneth Chapman, MD, Christopher Gharibo, MD, Sean Li, MD, Scott Woska, MD

Ultrasound Workshop Directors

Steve Aydin, DO and George Chang Chien, DO

Regenerative Medicine Workshop Directors

Sudhir Diwan, MD and Doug Beall, MD

Scientific Program Committee

Sudhir Diwan, MD – Chair
Kenneth Chapman, MD, Co-Chair
Christopher Gharibo, MD

Scott Woska, MD
Brian Durkin, DO
Neel Mehta, MD

Karina Gritsenko, MD
Andrew Kaufman, MD
Saurabh Dang, MD

Office of Administration

Program Chair: Sudhir Diwan, MD

Program COO: Edward Rubin, MD

Administrative Assistant: Cathy Pitbladdo

Executive Director: Sandra Vamos

Director for sponsorship: Michelle Byers

Meeting Secretary



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www.congressline.hu



GENERAL INFORMATION

VENUE AND DATES

Hyatt Regency Jersey City

New Jersey 2 Exchange Place, Jersey City, New Jersey 07302

Fellows and Residents Pre-Conference Course	Thursday, November 4, 7:50-12:00 PM	Harborside Room
PA/NP Pre-Conference Course	Thursday, November 4, 7:50-12:00 PM	Palisades Room
SYMPOSIUM	Thursday-Saturday, November 4-6	Hudson Ballroom
Ultrasound Workshop	Sunday, November 7, 8:30-12:00 AM	Hudson Ballroom
Regenerative Medicine Workshop	Sunday, November 7, 8:30 AM-1:30 PM	Harborside Room
Cadaver Workshop	Sunday, November 7, 8:00 AM-1:00 PM	Surgicore Surgery Center*

* 550 Newark Avenue, 5th Floor, Jersey City, NJ 07306

INTERNET ACCESS

Free of charge WiFi service is available at the venue. Please look for the code at the Registration Desk.

REGISTRATION DESK OPENING HOURS AT HYATT REGENCY JERSEY CITY

Thursday, November 4	7:00 AM-6:00 PM
Friday, November 5	7:00 AM-6:00 PM
Saturday, November 6	7:00 AM-5:00 PM
Sunday, November 7	7:30 AM-12:00 PM

COMMERCIAL EXHIBITION

The exhibition will be opened from Thursday, November 4 until Saturday, November 6th 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

MEMBER Symposium (NYSIPP/NJSIPP and PainCast)	\$800
MEMBER Symposium with Workshop	\$950
NON MEMBER Symposium	\$950
NON MEMBER Symposium with Workshop	\$1100
FELLOWS/RESIDENTS Symposium	\$150
FELLOWS/RESIDENTS Symposium with Workshop	\$200
PA/NP Pre-Conference Course with Symposium	\$450
International Delegates Symposium	\$550
International Delegates Symposium with Workshop	\$650
International Delegates Symposium FELLOWS	\$75
International Delegates Symposium with Workshop FELLOWS	\$125
Industry Registration	\$850
Extra Exhibitor Badge	\$500

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

Fellows Reception

Thursday, November 4, 2021, 6:00-8:00 PM, Manhattan Ballroom
Sponsored by Platinum Sponsor Medtronic

Gala Dinner and Award Ceremony

Friday, November 5, 2021, Manhattan Ballroom
6:00-7:00 PM Cocktail Hour
7:00-10:00 PM Gala Dinner and Award Celebration

Faculty Dinner (by invitation only)

Saturday, November 6, 2021, 7:00 PM, Yacht Atlantica
Boarding at 6:30 PM sharp at Hyatt Regency Jersey City pier
Sponsored by Bronze Sponsor Vertos

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. 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 for a replacement.



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.

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 Symposium in your hands: conference app is available for smartphones at Google Play and iTunes. 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.



Step 1

Download the SmartEvents app from Apple, GooglePlay and Microsoft Stores



Step 2

Open the app on your device



Step 3

Scan the following QR code within the app



Step 4

Set your profile by giving your name and e-mail address

TECHNICAL INFORMATION FOR SPEAKERS

The organizers kindly ask you to bring your presentations with you on a USB memory stick. Your presentation must be uploaded to the computers in the meeting room with the help of the assisting technicians responsible for the dedicated room. The presentation uploading deadline is the last coffee break prior to 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. Organizers 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 Foyer area.

COVID-19 PROTOCOL

The meeting is in compliance with CDC guidelines for COVID-19.

Meet WaveWriter Alpha™ —
a comprehensive new SCS system
with full-body MRI* access,
new customizable therapies and
digital solutions for your practice.



THE NEXT ERA OF PERSONALIZATION

WaveWriter Alpha™ SCS System



Learn more at AlphaSCS.com

FAST™ and
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Cognita™ Solutions

FAST MOA computational modeling by Dr. Warren Grill's lab at Duke University. *Gilbert et al., Computational modeling predicts dorsal columns are involved in fast-acting sub-perception spinal cord stimulation (SCS). SFN 2021.*

*MRI Conditional under specified conditions.

 The WaveWriter Alpha™ Spinal Cord Stimulator System provides safe access to full-body MRI scans when used with specific components and exposed to the MRI environment under the defined conditions in the ImageReady™ MRI Full Body Guidelines for WaveWriter Alpha™ Spinal Cord Stimulator Systems.

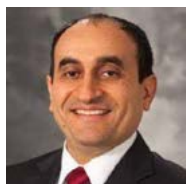
US Indications for Use: The Boston Scientific Spinal Cord Stimulator Systems are indicated as an aid in the management of chronic intractable pain of the trunk and/or limbs including unilateral or bilateral pain associated with the following: failed back surgery syndrome, Complex Regional Pain Syndrome (CRPS) Types I and II, intractable low back pain and leg pain. Associated conditions and etiologies may be: radicular pain syndrome, radiculopathies resulting in pain secondary to failed back syndrome or herniated disc, epidural fibrosis, degenerative disc disease (herniated disc pain refractory to conservative and surgical interventions), arachnoiditis, multiple back surgeries. Contraindications, warnings, precautions, side effects. The SCS Systems are contraindicated for patients who: are unable to operate the SCS System, have failed trial stimulation by failing to receive effective pain relief, are poor surgical risks, or are pregnant. Refer to the Instructions for Use provided with the SCS System or Pain.com for potential adverse effects, warnings, and precautions prior to using this product. Caution: U.S. Federal law restricts this device to sale by or on the order of a physician.



MEET THE FACULTY



Sudhir Diwan, MD
CEO, NYSIPP,
Chairman



Alaa Abd-Elsayed, MD



Christopher D. Adams,
Esq



Latrice Akuamoah, MD



Steve Aydin, DO



Erica Bartoloni,
MS, PA-C



Doug Beall, MD



Aaron Calodney, MD



Kenneth Candido, MD



Veronica Carullo, MD



George Chang Chien,
DO



Kenneth B. Chapman,
MD



Ashley Comer, NP



Harold Cordner, MD



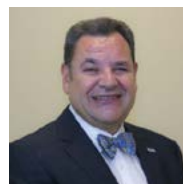
Sukdeb Datta, MD



Miles Day, MD



Jose De Andres, MD



Oscar A. de
Leon-Casasola



Timothy Deer, MD



Brian Durkin, DO



Tamer Elbaz, MD



Steven Falowski, MD



Christopher Gharibo,
MD



Christopher Gilligan,
MD



Brandon Godbout,
MD



Stanley Golovac, MD



Casey Grillo, NP



Karina Gritsenko, MD



Amitabh Gulati, MD



Mayank Gupta, MD



Jennifer Hah, MD



Craig Hartrick, MD



Corey Hunter, MD



Gabriele P. Jasper, MD



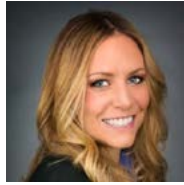
Hemant Kalia, MD



Leonardo Kapural,
MD, PhD



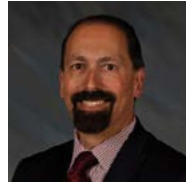
Andrew Kaufman,
MD



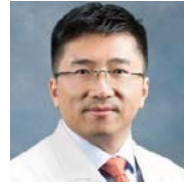
Jennifer Kirschenbaum,
Esq.



Kristen Klein, AGNP-C



Robert Levy, MD, PhD



Sean Li, MD



Chih-Peng Lin,
MD, PhD



Mark N. Malinowski,
DO



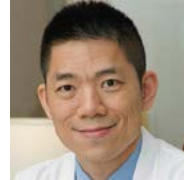
Neel Mehta, MD



Annu Navani, MD



Deidre O'Flaherty, NP



Jen-Li Pan, MD



Jaclyn Pappas, NP



Ankur Patel, MD



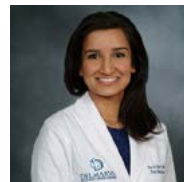
Arpit Patel, DO



Kiran Patel, MD



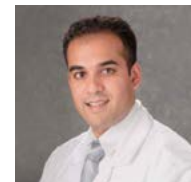
Manish Patel, DO



Shachi Patel, MD



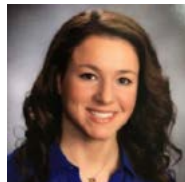
Carolina Hernandez
Porras, MD



Vinay Puttanniah, MD



Gabor B. Racz, MD



Lauren Ronde, NP



Edward Rubin, MD



Ricardo Plancarte
Sanchez, MD



Dawood Sayed, MD



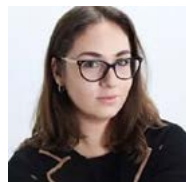
Michael E. Schatman,
PhD, CPE



Shalini Shah, MD



Naum Shaparin, MD



Asya Shtofmakher, MS,
PA-C



Victor Silva, MD



Konstantin Slavin, MD



Amol Soin, MD



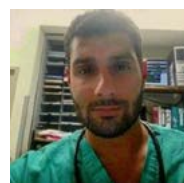
Jaspal Ricky Singh, MD



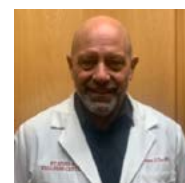
Anne Marie Stilwell, MD



Harry Sukumaran, MD



Teddy Theodorakis, NP



Robert Tiso, MD



Andrea Trescot, MD



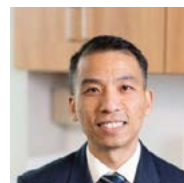
Amerash Vydyanathan,
MD



Sayed Emal Wahezi, MD



Scott Woska, MD



Ajax Yang, MD



Thomas Yearwood, MD



Edward Yoon, MD



FELLOWS / RESIDENTS PRE-CONFERENCE COURSE

Thursday, November 4, 2021 • Harborside Room

Course Directors: Neel Mehta, MD and Andrew Kaufman, MD

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

SESSION THEME: Making of the best Pain Physician (8:00-10:00 AM)

Moderator: Neel Mehta, MD

8:00-8:20 AM **Training of World Class Pain Physician**
Miles Day, MD

8:20-8:40 AM **The Flaws in Training in the Academic Programs**
Christopher Gilligan, MD

8:40-9:00 AM **Impact of COVID 19 on Training and Beyond**
Shalini Shah, MD

9:00-9:20 AM **Getting Involved with Clinical Studies and Publications**
Sean Li, MD

9:20-10:00 AM **Panel Discussion with Leonardo Kapural, MD**
Integration of Research into Clinical Practice
Panelist: Sayed Emal Wahezi, MD, Neel Mehta, MD, Karina Gritsenko, MD,
Harry Sukumaran, MD

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

SESSION THEME: Finished the fellowship: Now what? (10:20-12:00 AM)

Moderator: Andrew Kaufman, MD

10:20-10:35 AM **New Contract Negotiations – Opportunities and Pitfalls**
Jennifer Kirschenbaum, Esq.

10:35-10:50 AM **Getting Involved with NYSIPP/NJSIPP and ASIPP**
Amol Soin, MD

10:50-11:10 AM **Conflicts of Interests while Working with Industries**
Andrew Kaufman, MD

11:10-11:30 AM **Building and Expanding the Scope of Pain Practice**
Sayed Emal Wahezi, MD

11:30-12:00 AM **Panel Discussion with Timothy Deer, MD**
Transitioning from Training to Practice
Panelist: Corey Hunter, MD, Veronica Carullo, MD, Jaspal Ricky Singh, MD, Shachi Patel, MD

12:00 AM-1:00 PM	Industry Sponsored Fellows Program Lunch Sponsored by Spine Search The 2022 job market forecast for interventional pain physicians: What you need to know! Speaker: Nicola Hawkinson <i>No CME Credit Hours Available for this Session.</i>	Manhattan Ballroom
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1:00-5:50 PM **Join the Main Session in Hudson Ballroom**

6:00-8:00 PM	Fellows, Residents, PA/NP Networking and Presentation Sponsored by Platinum Sponsor Medtronic Keys to Success - Post Fellowship Two recently graduated physicians will share their advice on transitioning successfully, post fellowship. Speakers: Nirmal Shah, MD and Taryn Reichard, MD <i>No CME Credit Hours Available for this Session.</i>	Manhattan Ballroom
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PA/NP PRE-CONFERENCE COURSE

Thursday, November 4, 2021 • Palisades Room

Course Directors: Brandon Godbout, MD, Lauren Ronde, NP, Kristen Klein, AGNP-C

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

FIRST SESSION: Perioperative Pain Management (8:00-10:00 AM)

Moderators: Brandon Godbout, MD and Lauren Ronde, NP

8:00-8:20 AM **Pain Control in Midst of Opioid Crisis: Challenging Time**
Brandon Godbout, MD

8:20-8:35 AM **Multimodal Analgesia**
Teddy Theodorakis, NP

8:35-8:50 AM **Impact of COVID 19 on Clinical Practice**
Ashley Comer, MSN, APRN, FNP-C

8:50-9:05 AM **Perioperative Suboxone and High Dose Opiates**
Lauren Ronde, NP

9:05-9:20 AM **Perioperative Management of Intrathecal Pumps by Mid-levels**
Asya Shtofmakher, MS, PA-C

9:20-9:35 AM **Neuromodulation for Mid-levels**
Jaclyn Pappas, NP

9:35-10:00 AM **Coffee Break**

SECOND SESSION: Options for Chronic Pain Control (10:00-12:00 AM)

Moderators: Edward Rubin, MD and Kristen Klein, NP

10:00-10:20 AM **Pelvic pain: Diagnostic and Therapeutic Challenges**
Latrice Akuamoah, MD

10:20-10:35 AM **Medical Management for Neuropathic Pain**
Erica Bartoloni, PA-C

10:35-10:50 AM **Patient Education for Neuromodulation Therapies**
Casey Grillo, NP

10:50-11:05 AM **Lumbar Spinal Stenosis, Beyond Epidurals**
Kristen Klein, AGNP-C

11:05-11:20 AM **Lessons Learned from COVID 19 Pandemic**
Anne Marie Stilwell, MD

- 11:20-11:40 AM **Role of Mid-levels in In-Patient Pain management**
Deirdre O'Flaherty, NP
- 11:40-12:00 AM **Role of Mid-levels in Private Pain Practice**
Edward Rubin, MD

12:00 AM-1:00 PM	Industry Sponsored Lunch	Palisades Room
	Sponsored by Relevant	
	The Intracept® Procedure for the Relief of Chronic Vertebrogenic Low Back Pain	
	Speaker: Kristen Klein, AGNP-C	
	<i>No CME Credit Hours Available for this Session.</i>	

1:00-5:50 PM **Join the main symposium in Hudson Ballroom.**

6:00-8:00 PM	Fellows, Residents, PA/NP Networking and Presentation	Manhattan Ballroom
	Sponsored by Platinum Sponsor Medtronic	
	Keys to Success - Post Fellowship	
	Two recently graduated physicians will share their advice on transitioning successfully, post fellowship.	
	Speakers: Nirmal Shah, MD and Taryn Reichard, MD	
	<i>No CME Credit Hours Available for this Session.</i>	



SYMPOSIUM PROGRAM

DAY 1 • Thursday, November 4, 2021 • Hudson IV+V+VI Room

Program Chair: Sudhir Diwan, MD

Course Directors: Scott Woska, MD, Christopher Gharibo, MD, Kenneth Chapman, MD, Sean Li, MD

12:50-1:00 PM

Welcome Remarks

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

SESSION ONE: Advanced Regenerative Therapies (1:00-3:10 PM)

Moderator: Doug Beall, MD

1:00-1:20 PM

Intradiscal Injections of Allogenic and Autologous MSCs: What is the Evidence?

Aaron Calodney, MD

1:20-1:40 PM

Intra-articular vs. Subchondral Injections of PRP and Stem Cells

Steve Aydin, DO

1:40-2:00 PM

Intradiscal Orthobiologics: All Discs are not the Same!

Sudhir Diwan, MD

2:00-2:20 PM

Allogenic Cell Therapy: Pros and Cons

Annu Navani, MD

2:20-2:40 PM

Pluripotent Stem Cells (Induced vs Embryonic): Laboratory to Clinical Practice

Jen-Li Pan, MD (Taiwan)

2:40-3:10 PM

Keynote: Cost effectiveness of Regenerative Medicine

Doug Beall, MD

3:10-3:40 PM

Coffee Break with Exhibitors

Scientific Poster Viewing

SESSION TWO: Ultrasound in Interventional Pain Management (3:40-5:50 PM)**Moderator:** Kenneth Candido, MD

3:40-4:00 PM	Controversies in Ultrasound Guidance with Complex MSK Procedures George Chang Chien, MD
4:00-4:20 PM	Sonographic Anatomy: Challenges and Solutions Alaa Abd-Elseyed, MD
4:20-4:40 PM	RFA Targets for Oncologic Pain Amitabh Gulati, MD
4:40-5:00 PM	Prolotherapy for MSK Pain Andrea Trescot, MD
5:00-5:20 PM	The Future of “Bundled” Ultrasound and Fluoroscopy guided Therapies Kenneth Candido, MD
5:20-5:50 PM	Keynote: Role of Dynamic Ultrasound in Diagnosis & Therapy Chih-Peng Lin, MD

6:00-7:00 PM	Plymouth Medical Orthobiologics Demo & Clinical Applications Review Presenters: David Rosenblum, MD, AABP Integrative Pain Care Jo-An Tremblay, BSc, MSc, Plymouth Medical	Harborside Room
<i>No CME Credit Hours Available for this Session.</i>		

6:00-7:00 PM	Welcome Reception
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6:00-8:00 PM	Fellows, Residents, PA/NP Networking and Presentation Sponsored by Platinum Sponsor Medtronic Keys to Success - Post Fellowship Two recently graduated physicians will share their advice on transitioning successfully, post fellowship. Speakers: Nirmal Shah, MD and Taryn Reichard, MD	Manhattan Ballroom
<i>No CME Credit Hours Available for this Session.</i>		



SYMPOSIUM PROGRAM

DAY 2 • Friday, November 5, 2021 • Hudson IV+V+VI Room

7:00-7:50 AM	Industry Sponsored Breakfast Symposium Sponsored by Silver Sponsor Stimwave Integrate Advanced Neuromodulation Therapies Into Your Practice with PNS + SCS + HF-EMC Speakers: Aure Bruneau, CEO, Andrea Trescot, MD, Brian Rich, MD, Matthias Weiderholz, MD, Chad Andresen, MS, Biomedical Engineer <i>No CME Credit Hours Available for this Session.</i>	Harborside Room
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7:50-8:00 AM	Welcome Remarks Sudhir Diwan, MD, Kenneth Chapman, MD, Sean Li, MD
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SESSION THREE: Advanced Neuromodulation in 21st Century (8:00-10:00 AM) **Moderator:** Timothy Deer, MD

8:00-8:15 AM	Subthreshold Stimulation at Various KH Frequencies Thomas Yearwood, MD, PhD (UK)
8:15-8:30 AM	Clinical Experience and Technical Features of DTM Jose De Andres, MD (Spain)
8:30-8:45 AM	The Way Forward: Paradigm Shifts in Neuromodulation Robert Levy, MD
8:45-9:00 AM	The Next Era of Personalization: Innovations in Pain Solutions Sayed Emal Wahezi, MD
9:00-9:15 AM	Closed Loop: Review of Scientific Evidence Sean Li, MD
9:15-9:30 AM	Targeting DRG: Axial to Abdominal Pain! Kenneth Chapman, MD
9:30-10:00 AM	Keynote: Systematic Review of Evidence in Neuromodulation Timothy Deer, MD
10:00-10:30 AM	Coffee Break with Exhibitors Scientific Poster Viewing

SESSION FOUR: Cutting Edge Minimally Invasive Spinal Procedures (10:30 AM-12:30 PM)**Moderator:** Dawood Sayed, MD

10:30-10:50 AM	Vertebral Augmentations: Methyl Methacrylate to SpineJack Doug Beall, MD
10:50-11:10 AM	Endoscopic Discectomy: Transforaminal vs. Interlaminar Sukdeb Datta, MD
11:10-11:30 AM	Minimally Invasive Lumbar Decompression: An Algorithmic Approach Harold Cordner, MD
11:30-11:45 AM	Vertebrogenic Pain: Radiofrequency of Basivertebral Nerve Brian Durkin, DO
11:45-12:00 AM	Lumbar Neuroplasty Victor Silva, MD (Mexico)
12:00-12:30 PM	Keynote: Evolution of Interventional Pain Physicians: Injections to Minimally Invasive Spine Surgeons Dawood Sayed, MD

12:30-1:30 PM	Industry Sponsored Lunch Sponsored by Platinum Sponsor Nevro	Manhattan Ballroom
	Unlocking the Potential of SCS in New Patent Populations Speakers: Sean Li, MD, Neel Mehta, MD, Brian Durkin, DO, Dawood Sayed, MD	
	<i>No CME Credit Hours Available for this Session.</i>	

SESSION FIVE: Advanced Pain Procedures (1:30-3:30 PM)**Moderator:** Scott Woska, MD

1:30-1:50 PM	Atlantoaxial and Atlantooccipital Joints – Risks and Complications Stanley Golovac, MD
1:50-2:10 PM	Palliative Procedures for Metastatic Cancer Pain Ricardo Plancarte Sanchez, MD (Mexico)
2:10-2:30 PM	Trigeminal vs. Sphenopalatine Blocks: Safety and Complications Miles Day, MD
2:30-2:45 PM	Sacroiliac Pain: Continued Quest for Minimally Invasive Options Arpit Patel, DO
2:45-3:00 PM	Minuteman for Degenerative Spine Gabriele Jasper, MD
3:00-3:30 PM	Panel discussion on Advances in Pain Procedures with Stanley Golovac, MD Panelist: Carolina Hernandez Porras, MD, Jaspal Ricky Singh, MD, Kiran Patel, MD, Harold Cordner, MD
3:30-4:00 PM	Coffee Break with Exhibitors Scientific Poster Viewing



SESSION SIX: Impact of COVID 19 on Pain Practice (4:00-5:30 PM)

Moderator: Sean Li, MD

4:00-4:20 PM	Telemedicine: Is it Helping or Hurting Naum Shaparin, MD
4:20-4:40 PM	Practice Management: Stabilizing Revenues in NEW Normal Amol Soin, MD
4:40-5:00 PM	Post-Covid PTSD and Chronic Pain Michael Schatman, PhD
5:00-5:30 PM	Panel Discussion: Impact of Covid on Interventional Pain with Sean Li, MD Panelist: Michael Schatman, PhD, Edward Rubin, MD, Shalini Shah, MD, Annu Navani, MD, Sayed Emal Wahezi, MD

5:30-6:00 PM	NYSIPP State Society Meeting	Hudson Room
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5:30-6:00 PM	NJSIPP State Society Meeting	Harborside Room
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6:00-7:00 PM	Cocktail Hour
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7:00-10:00 PM	Gala Dinner and Award Presentation	Manhattan Ballroom
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Lifetime Achievement 2021 Award recipient: Timothy Deer, MD
Introduction by: Sudhir Diwan, MD

Outstanding Pain Physician 2021 Award recipient: Dawood Sayed, MD
Introduction by: Corey Hunter, MD

International Scholar 2021 Award recipient: Chih-Peng Lin, MD
Introduction by: George Chang Chien, DO

SYMPOSIUM PROGRAM

DAY 3 • Saturday, November 6, 2021 • Hudson IV+V+VI Room

7:00-7:50 AM	Industry Sponsored Breakfast Symposium Sponsored by Gold Sponsor Boston Scientific The Next Era of Personalization: Innovations in Pain Solutions Speakers: Youssef Josephson, DO, Anson Moise, MD, Sayed Wahezi, MD, Sean Li, MD <i>No CME Credit Hours Available for this Session.</i>	Harborside Room
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SESSION SEVEN: Integral Aspects of Pain Practice (8:00-10:00 AM)

Moderator: Christopher Gharibo, MD

8:00-8:20 AM	Facet Joint Guidelines: Pros and Pitfalls Christopher Gharibo, MD
8:20-8:40 AM	Reimbursement Challenges and the Future Private Practice Robert Tiso, MD
8:40-9:00 AM	Legal Implications of Opioids Crisis Christopher D. Adams, Esq
9:00-9:20 AM	Opioids for Pediatric Patients: Scope and Limitations Veronica Carullo, MD
9:20-9:40 AM	Targeted Drug Delivery: Strategy for Individualized Precision Medicine Hemant Kalia, MD
9:40-10:00 AM	Intrathecal Therapy: Curtailing Opioids Crisis Oscar A. de Leon-Casasola, MD

10:00-10:30 PM	Coffee Break with Exhibitors Scientific Poster Viewing
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SESSION EIGHT: Residents/Fellows Session and Abstract Presentation (10:30-12:30 PM)

Moderator: Miles Day, MD

10:30-11:15 AM	Top Three Abstract Presentations Scientific Committee: Yury Khelemsky, MD, Vinay Puttanniah, MD, Miles Day, MD, Naum Shaparin, MD, Karina Gritsenko, MD
11:15-11:30 AM	Overview of Abstract by Moderator and Prize Presentation Miles Day, MD
11:30-12:30 AM	Rising star's panel discussion with Robert Levy, MD Panelist: Ajax Yang, MD, Ankur Patel, MD, Edward Yoon, MD, Amerash Vydyanathan, MD, Manish Patel, DO Panel discussion on Clinical Research with Aaron Calodney, MD Panelist: Gabor B. Racz, MD, Craig Hartrick, MD, Ricardo Sanchez Plancarte, MD, Oscar A. de Leon-Casasola, MD



New York & New Jersey Pain Medicine Symposium

12:30-1:30 PM	Industry Sponsored Lunch Sponsored by Platinum Sponsor Medtronic The Outcomes and Real World Experience with DTM™ SCS Therapy and Control™ Workflow for TDD Speakers: Todd Bromberg, MD, William (Bill) Caldwell, DO, Amitabh Gulati, MD Soriaya Motivala, MD <i>No CME Credit Hours Available for this Session.</i>	Manhattan Ballroom
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SESSION NINE: Challenges and Solutions (1:30-3:00 PM)

Moderator: Kenneth Chapman, MD

1:30-1:50 PM	Thoracic Pain: Challenges and Solutions Mark Malinowski, MD
1:50-2:05 PM	Cervical Percutaneous Discectomy Tamer Elbaz, MD
2:05-2:25 PM	MIS to Extensive Fusion Steven Falowski, MD
2:25-2:40 PM	Challenges in Cancer Pain Management Carolina Hernandez Porras, MD
2:40-3:00 PM	Complexity of Diagnosing and Treating Visceral Pain Mayank Gupta, MD
3:00-3:30 PM	Coffee Break with Exhibitors Scientific Poster Viewing

SESSION TEN: Peripheral Nerves: Changing Paradigm (3:30-5:30 PM)**Moderator:** Konstantin Slavin, MD

3:30-3:50 PM	Diagnostic EMG: Peripheral Neuropathy vs. Radiculopathy Scott Woska, MD
3:50-4:10 PM	PNS for Pelvic Pain Shalini Shah, MD
4:10-4:30 PM	Analgesia for Knee: Past, Present, Future Karina Gritsenko, MD
4:30-4:50 PM	RFA of Peripheral Nerves of Joints Leonardo Kapural, MD
4:50-5:10 PM	Current Status of Peripheral Neuromodulation Jennifer Hah, MD
5:10-5:30 PM	Peripheral Nerves the Safe Harbor: Radiofrequency to Neuromodulation Konstantin Slavin, MD

5:30-6:30 PM	Evening Reception Sponsored by Silver Sponsor Pacira Biosciences/iovera Speaker: Karina Gritsenko, MD <i>No CME Credit Hours Available for this Session.</i>
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6:30-10:00 PM	Faculty Dinner (invitation only) Sponsored by Bronze Sponsor Vertos 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: 10:00 PM
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SUNDAY WORKSHOP PROGRAM

Sunday, November 7, 2021

No CME Credit Hours Available for the Workshops.

Cadaver Workshop

Sunday, November 7, 2021 (8:00 AM-1:00 PM) – NON CME

*SurgiCore Surgical Center, 550 Newark Avenue, Jersey City, NJ07306

**We will provide bus transportation from the hotel. Meeting point: Hyatt lobby at 7:30 AM*

Directors

Kenneth Chapman, MD
Christopher Gharibo, MD
Sean Li, MD
Scott Woska, MD

Faculty

Harold Cordner, MD
Saurabh Dang, MD
Sukdeb Datta, MD
Brian Durkin, DO
Tamer Elbaz, MD
Christopher Gharibo, MD
Gabriele Jaspar, MD
Leonardo Kapural, MD
David Spinner, DO

Neel Mehta, MD
Sean Li, MD
Kiran Patel, MD
Gabor B. Racz, MD
Harry Sukumaran, MD
Ajax Yang, MD
Edward Yoon, MD
Brian Rich, MD
Arpit Patel, DO (USA)

Stations (attendees rotate through each station – 30-minute rotations):

Station 1	Abbott – DRG
Station 2	Vertos – MILD
Station 3	Boston Scientific / Vertiflex MIS
Station 4	Nevro – SCS
Station 5	Elliquence – MIS
Station 6	CornerLoc – SI Joint Instability
Station 7	Stabilink Interlaminar Fixation for Spinal Stenosis and Spondylolisthesis
Station 8	Transfasten Sacroiliac Fusion System
Station 9	Bioventus – StimRouter – Lower Extremity PNS
Station 10	SPR Therapeutics – SPRINT - Upper Extremity PNS
Station 11	Plymouth Medical – Orthobiologics Spine Injections

Ultrasound Workshop

Sunday, November 7, 2021 (8:30 AM-12:00 AM) – NON CME

Hyatt Regency Jersey City • Hudson IV + V + VI Room

Directors

Steve M. Aydin, DO
George Chang-Chien, DO

Faculty

Victor Silva, MD (Mexico)
Angel Juarez, MD (Mexico)
Jesus Medina, MD (Mexico)
Carolina Hernandez Porras, MD (Mexico)
Jennifer Hah, MD (USA)

Fadi Farah, MD (USA)
Camille Fontaine, MD (USA)
Amaresh Vydyanathan, MD (USA)
Neal Rakesh, MD (USA)

Stations

Station 1	Upper Extremity Musculoskeletal Injections
Station 2	Lower Extremity Musculoskeletal Injections
Station 3	Upper Extremity Nerve Blocks
Station 4	Lower Extremity Nerve Blocks
Station 5	Sacroiliac, Truncal Blocks, Lumbar Spine

Regenerative Medicine Workshop

Sunday, November 7 (8:30 AM-1:30 PM) – NON CME
Hyatt Regency Jersey City, Harborside Room

Sponsored by Vivex

Directors: Sudhir Diwan, MD and Doug Beall, MD

Moderator: Doug Beall, MD

8:30-8:50 AM **Stem Cell augmentation of the intervertebral degenerated discs**
Aaron Calodney, MD

8:50-9:10 AM **Introduction to VIADisc and VAST study**
Doug Beall, MD

9:10-9:30 AM **VAST study safety Data at 1 yr follow up.**
Corey Hunter, MD and Doug Beall, MD

9:30-9:45 AM **Intradiscal injections for disc degeneration**
Sudhir Diwan, MD

9:45-10:00 AM **Coffee Break**

10:00-10:15 AM **VIADisc NP: An introduction to Nucleus Pulposus Augmentation**
Tim Ganey, PhD

10:15-10:40 AM **VIADisc NP- Real world Initial experience**
Steve Aydin, MD and Adam Carinci, MD

10:40-11:00 AM **Round table discussion and Q/A: The Controversies and Future of Regenerative Medicine**
Moderated by Doug Beall, MD All Faculty

11:00-12:30 PM **Hands-on course for fluoroscopy guided Intradiscal injections**
Instructors – all faculty

2 stations, 8-10 physicians per station, change every 30 mins.

12:30-1:30 PM **Boxed Lunch and Conclusion of Course**



New York & New Jersey Pain Medicine Symposium

COMPANIES

Abbott

Abbott is a global healthcare leader that helps people live more fully at all stages of life. Our portfolio of life-changing technologies spans the spectrum of healthcare, with leading businesses and products in diagnostics, medical devices, nutritional and branded generic medicines. Our 103,000 colleagues serve people in more than 160 countries.

AIS Healthcare

AIS™ HealthCare provides sterile, patient-specific intrathecal pain pump medications for the management of chronic pain. AIS 503A pharmacy services are supported with Advanced Nursing Solutions, providing physicians and patients with in-home pump refills, and a patient-centric Care Coordination Center that assists patients in achieving self-management goals and optimal wellness.

Avanos

Avanos is a medical device company dedicated to challenging the status quo, every day, in everything we do. All with the aim of getting patients back to the things that matter.

Averitas Pharma

Guided by the patient voice, Averitas is a trusted and transparent partner, that strives to enable people with neuropathic pain to live and feel more like their true selves.

Medical Science Liaison Contact:

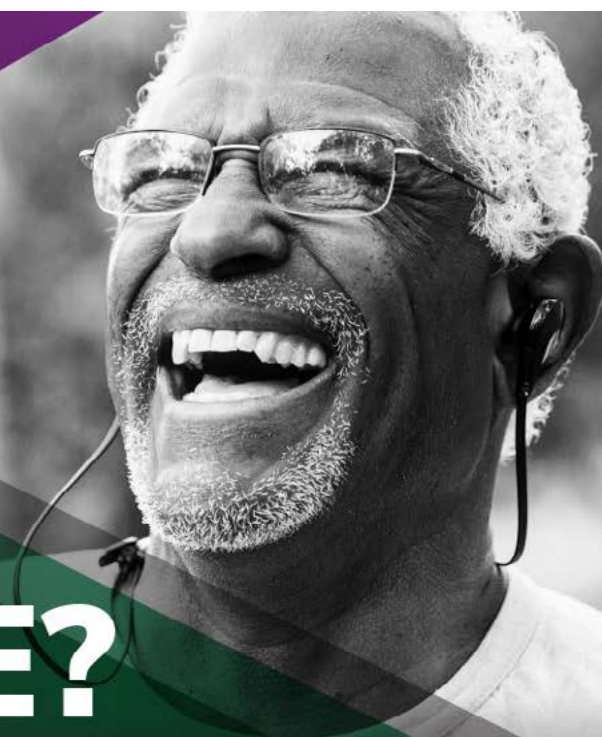
Sunrut Patel, MD, sunrut.patel@averitaspharma.com

National Account Manager Contact:

Daryl Tan, daryl.tan@averitaspharma.com

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M-QZA-US-09-21-0030 September 2021

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.

Baudax Bio

Baudax Bio is a pharmaceutical company focused on developing and commercializing innovative products for patients in acute care settings. We are committed to bringing clinically meaningful therapeutic options to patients, health care providers, and payers.

BioDelivery Sciences

BioDelivery Sciences International, Inc. (NASDAQ: BDSI) is a commercial-stage specialty pharmaceutical company dedicated to patients living with chronic conditions. BDSI has built a portfolio of products that includes utilizing its novel and proprietary BioErodible MucoAdhesive (BEMA®) technology to develop and commercialize, either on its own or in partnership with third parties, new applications of proven therapies aimed at addressing important unmet medical needs. BDSI's marketed products address serious and debilitating conditions, including chronic pain and opioid-induced constipation.

Bioness / Bioventus

StimRouter is the first FDA approved peripheral nerve stimulation (PNS) system designed to treat chronic pain of a peripheral nerve origin, excluding pain in the craniofacial region. StimRouter is a minimally invasive, reversible, permanent solution to treat chronic pain in locations all over the body." The tiny lead is implanted on the target nerve during a simple, 15 minute procedure while the patient is awake using only local anesthesia

Boston Scientific

Investing in innovative products, clinical initiatives, and world-class service, Boston Scientific is committed to leading the way in spinal cord stimulation, spinal stenosis and radio frequency ablation by providing better pain relief to a broad range of patients.

Brookfield Medical

Brookfield Medical is a FDA 503B outsourcing facility. Brookfield Medical has been dedicated to serving customers for over 25 years. Our mission is to constantly strive to achieve the highest level of quality while keeping patients safety our top priority. We specialize in Preservative free injectable corticosteroids and narcotics.

CAREstream America

Your partner for precision medicine and pain management solutions including: ALPHA2ACTIVE™ A2M with FACT, PRP/PRFM, Non-Centrifuge Bone Marrow Aspirate, the innovative Pro-Nox 50/50 Nitrous Oxide and Oxygen analgesia, VeinViewer® Flex HD vein image, wireless point of care ultrasound and more. Visit carestreamamerica.com for our complete portfolio.

Clint Pharmaceuticals

Established in 1987, Clint Pharmaceuticals has become an industry-leading provider of high quality FDA-approved injectable pharmaceuticals. CPI is not a compounding pharmacy. We also distribute 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™ SI Joint Fusion System has been specifically designed to achieve optimal stabilization and fusion potential with a simple, safe, posterior approach. CornerLoc's state of the art cortical graft, together with our DBM sponge, is an effective, safe, and simple procedure to reduce pain and instability within the sacroiliac joint.



New York & New Jersey Pain Medicine Symposium

Captive Spine

Privately owned and founded in 2007, Captiva Spine designs, develops, and provides minimally disruptive systems for treating spinal pathologies. Recently, Captiva Spine launched the TransFasten Posterior SI Fusion System, with a patented mortise and tenon site preparation designed to stabilize and fuse the SI joint with minimal disruption to anatomy.

DocuVitals

DocuVitals provides pain practices a turnkey solution to provide Remote Patient Monitoring services for their patients. We provide Blood Pressure Monitors, the software and the clinical care monitoring services for your practice....all for one low, monthly fee, while providing your practice a new stream of revenue.

Elliquence

Elliquence LLC manufactures patented Radiowave technology with innovative devices for orthopedic neurosurgery and pain management applications. Surgi-Max® Plus permits precision tissue preservation, non-adherent bipolar effects and surgical versatility. Disc-FX® Discectomy System, Trigger-Flex® steerable bipolar handpiece and a full line of endoscopic spine instruments are examples of the surgical accessories offered for use with the Surgi-Max Plus energy source. elliquence focuses on sparing healthy tissue while precisely treating pathology.

Epimed

Epimed designs, develops, manufactures, and delivers standard and unique solutions for physicians with an emphasis on outcomes and safety. Our products include Site Specific Catheters (including the Racz®), RX-2 Epidural Needles, Coudé® Blunt Nerve Block Needles, a full line of R-F™ Products, and the PainBlocker™ Cryo line of Cryoanalgesia.

Flowonix

Flowonix Medical Inc. (Flowonix) is a medical device company dedicated to helping those who suffer from chronic disorders. Our team has decades of experience developing unique and reliable medical devices to improve lifestyles. Using one of a kind technology, Flowonix has developed an implantable drug pump designed to deliver therapeutic drugs into the spine to relieve a variety of chronic disorders and help patients return to normal lives. Currently, Flowonix is focused on alleviating chronic pain and severe spasticity. We are dedicated to working with healthcare professionals to help ease suffering and allow people to reclaim their lives through innovation and therapy advancements. Flowonix's employees have hundreds of years of medical device experience and its engineering team has a long history of developing innovative pump technology.

Franklin Rx Pharmacy

Franklin Rx Pharmacy is a private and locally-owned pharmacy that will handle all your individual pharmaceutical and surgical supply needs with knowledge, safety, and care. Due to our extensive experience in the industry we work closely with many health care facilities including but not limited to long-term care, nursing homes, hospitals, assisted living and retirement homes, group homes, home care agencies, clinics, outreach programs, and more.

With Franklin Rx Pharmacy, you get the kind of personalized care and services you can't get anywhere else. As a locally-owned, private pharmacy, Franklin Rx Pharmacy builds a close, personal relationship with their patients and provides education with high-quality customer service. We have the best knowledge and expertise in the community. That along with our highly trained staff, excellent customer service, and personal care, makes us the best choice in the area for pharmaceutical care. Above all else, our mission is to improve the lives of those we serve by making innovative and high-quality health and pharmacy services safe, affordable and easy to access.

WE ARE THE WORKERS' COMPENSATION & NO FAULT MEDICATION SPECIALISTS IN NEW YORK AND NEW JERSEY

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GE

GE Healthcare is the \$18 billion healthcare business of GE (NYSE: GE). As a leading global medical technology, pharmaceutical diagnostics and digital solutions innovator, GE Healthcare enables clinicians to make faster, more informed decisions through intelligent devices, data analytics, applications and services, supported by its Edison intelligence platform.

Go Healthcare

We are a Leader in Prior Authorization and Patients Access Services for Interventional Pain Management. We have 98% Prior Authorization Approval rate with a fast turn-around time. Guaranteed you increase patients' satisfaction, excellent outcome, and best quality care. We are a Team of Experienced Medical Practice Consultants and Clinical Nurses. We focus on: prior authorization, patients access, utilization management, coding guidance and consulting, office workflow optimization and revenue cycle management. Our goals are for you to be able to: Run a profitable Pain Practice and facility. You can maximize reimbursement. Stay Compliant and focus more on Patient Quality Care. www.gohealthcarellc.com

Contact Telephone#: 1 (800) 267-8752,

Contact Email Address: pinky.maniri@gohealthcarellc.com

Hudson Regional Hospital

Hudson Regional Hospital's mission is to build a healthier community by providing exceptional care for all Hudson County residents through a significant investment in new technology including the Institute of Robotic Surgery featuring the Da Vinci XI Robotic System, ExcelsiusGPS and the Mazor Robotic Guidance System and access to more physician groups including some of the best physicians in the NYC-metro area.

Hudson Regional Hospital's ER team provides around-the-clock comprehensive emergency care services that include short wait times, EMS/Ambulance On-Site 24/7, a fully equipped EMS Lounge, 24/7 Access to Specialty Physicians and a multi-lingual staff.

INJX

INJX is THE ONLY pain management specific group purchasing organization. Members gain universal access to high-quality products at extremely competitive pricing at no cost. These include custom trays, gloves, (radiofrequency) needles, injectables, OMNIPAQUE, xray/ultrasound machines. Ask for our FREE PRACTICE ANALYSIS and obtain the best price for the products you purchase.

Konica Minolta

Konica Minolta's ultrasound systems feature advanced MSK functionality for superior image detail and contrast resolution to support ultrasound-guided procedures and orthobiologic therapies. Our UGPro® Solution unites advanced ultrasound capabilities with the latest minimally-invasive procedural technologies so clinicians have the confidence to make better decisions sooner at the point-of-care.

LiveCare Corp

LiveCare has been based in NYC since 2018 and is the first in the world to develop a Remote Patients Monitoring (RPM) Smart Gateway, The Link+.

With its proprietary automated & AI technology, The Link+ by LiveCare increases compliance, improves patient outcomes, and lowers the overall RPM cost.

Mainstay Medical

Mainstay Medical (www.mainstaymedical.com) is focused on bringing to market ReActiv8®, an implantable Restorative Neurostimulation system which targets the spine stabilizing muscles in people with refractory disabling Chronic Mechanical Low Back Pain and who are not indicated for spine surgery or SCS.

Medtronic

A global healthcare technology leader — boldly attacking the most challenging health problems facing humanity with innovations that transform lives.

We engineer the extraordinary to alleviate pain, restore health, and extend life.

Learn more at Medtronic.com

Modernizing Medicine

The modmed® Pain Management suite includes a cloud-based electronic health records (EHR) system, practice management system, revenue cycle management, telehealth and patient engagement tools designed to improve productivity by adapting to each doctor's style of practice, remembering preferences and automatically suggesting documentation and billing codes.

Nalu Medical

Nalu Medical is a medical technology company focused on developing and commercializing innovative and minimally invasive solutions for patients with neuropathic pain. We designed our Nalu system to address major unmet needs in the SCS and PNS markets and create a differentiated value proposition for our patients and physicians. www.nalumed.com



New York & New Jersey Pain Medicine Symposium

NeuroStar

Company Description – NeuroStar Advanced Therapy is proven for people who haven't benefited from prior antidepressant medication. Covered by most insurance. The #1 TMS choice of doctors with over four million treatments performed across the country. The only TMS with durability demonstrated over 12 months. Backed by the largest clinical dataset of any TMS for depression.

Website – <https://neurostar.com/>

Address – 3222 Phoenixville Pike, Malvern, PA 19355

Nevro

Introducing HFX™, Nevro's one comprehensive platform for individualized relief from chronic pain. Built on the outcomes from 70,000+ patients, HFX combines innovative technologies, advanced therapies, and end-to-end patient support to achieve the best possible results.

Pacira

Pacira BioSciences, Inc. is the industry leader in its commitment to non-opioid pain management and regenerative health solutions to improve patients' journeys along the neural pain pathway. To learn more about Pacira, including the corporate mission to reduce overreliance on opioids, visit www.pacira.com.

PainTEQ

PainTEQ™ is a Tampa based medical device manufacturer that focuses on providing breakthrough, FDA approved products that help patients eliminate chronic pain and provide a better quality of life. With our featured product, LinQ™ for SI Joint Dysfunction we deliver an effective, minimally invasive solution for both patients and physicians.

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iovera® puts innovative cryoanalgesia technology in your hands to block patients' pain immediately—and for up to 90 days in patients with knee OA—supporting your plan to get them back on their feet fast and on the road to recovery.^{1,2}

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TKA=total knee arthroplasty; OA=osteoarthritis.

References: 1. Dasa V, Lensing G, Parsons M, Harris J, Volaufova J, Bliss R. Percutaneous freezing of sensory nerves prior to total knee arthroplasty. *Knee*. 2016;23(3):523-528. 2. Radnovich R, Scott D, Patel AT, et al. Cryoneurolysis to treat the pain and symptoms of knee osteoarthritis: a multicenter, randomized, double-blind, sham-controlled trial. *Osteoarthritis Cartilage*. 2017;25(8):1247-1256.



iovera®
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PACIRA
BIOSCIENCES, INC.

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Pentec Health

Pentec Health, Inc. is a Joint Commission accredited specialty pharmacy and infusion provider that specializes in providing comprehensive care for patients with implanted pumps treating severe pain and/or spasticity. Our proprietary electronic communications platform ensures all disciplines remain informed and focused on improving patient outcomes.

Regenexx

Regenexx® is the worldwide, elite physician network utilizing the world's most innovated BMAC and blood platelet procedures for orthopedics. Regenexx® is devoted to growing your regenerative medicine practice through a turnkey approach with advanced technology, proven research with a patient registry database, physician/lab training, marketing with patient referrals and continued support services.

Relievant

Relievant Medsystems, a medical device company focused on solutions for chronic low back pain (CLBP), developed the Intracept Procedure – a minimally invasive procedure targeting the basivertebral nerve for the relief of CLBP. The Intracept Procedure is supported with two Level I randomized controlled trials demonstrating durable relief, clinical significance and consistent outcomes in subjects with CLBP. The Intracept System is FDA 510(k) cleared and commercially available in the US.

RIWOSpine

RIWOSpine is the premier manufacturer of endoscopic spine products, featuring the highest quality instrumentation and the industry-leading 4MHz CURIS RF energy source. Products featured for pain management include the Perculine Nucleo system, providing a cost-effective solution for nucleotomy procedures, and the Vertebri Denervation set for visualized endoscopic medial branch resection.

Saluda

Saluda Medical is a global neuromodulation company leading the development and commercialization of data-driven, personalized therapies for patients with chronic pain. The company's first product, Evoke®, is a closed-loop spinal cord stimulation (SCS) system designed to treat chronic pain, a condition that affects more than 540 million people globally. SCS treats the condition by stimulating the spinal cord and altering the transmission of pain signals to the brain. Saluda's proprietary Evoke System is the only closed-loop SCS system designed to provide real-time customization of waveforms to each unique ECAP, which can be updated up to 100 times a second, to deliver consistent therapy within a patient's individual therapeutic window. To learn more, visit www.saludamedical.com and connect with us on LinkedIn at www.linkedin.com/company/saluda-medical/.

Scilex Pharmaceuticals

SCILEX® Pharmaceuticals of Palo Alto, CA, is a commercial-stage, non-opioid pain management company. ZTlido®, launched in October 2018 – is a prescription lidocaine patch for postherpetic neuralgia (PHN) pain relief. <https://www.linkedin.com/company/scilex-pharmaceuticals>

Spectra Medical

Since 1995, Spectra Medical Devices, LLC has been the world-leading manufacturer of pain management needles. Our main pain management products include – RF needles, PNB needles, MSK needles, epidural needles, spinal needles and lidocaine.

We offer the widest range of needles in the entire world and we're willing to custom build, to suit your needs. Please stop by our booth for more information.

Spinal Simplicity

Spinal Simplicity is dedicated to the creation of innovative, simple solutions to treat complex spinal conditions. We enhance patient care by concentrating on minimally invasive lumbar fusion to improve patient outcomes, increase efficiencies and deliver consistently reproducible results.

STIMWAVE TECHNOLOGIES at NYNJSIPP 2021 Booth S3

+ THURSDAY, NOVEMBER 4TH

9:35am-10:20am

Exhibitor Break

Liberty Ballroom

3:10pm-3:40pm

Exhibitor Break

Liberty Ballroom

+ FRIDAY, NOVEMBER 5TH

7:00am-7:50am

**Stimwave Technologies
Breakfast Symposia**

Harborside Ballroom
Integrate Advanced
Neuromodulation Therapies
into Your Practice with
PNS, SCS & HF-EMC

10:00am-10:30am

Exhibitor Break

Liberty Ballroom

3:30pm-4:00pm

Exhibitor Break

Liberty Ballroom

6:00pm-7:00pm

Cocktail Reception

Liberty Ballroom

+ SATURDAY, NOVEMBER 6TH

10:00am-10:30am

& 3:30pm-4:00pm

Exhibitor Breaks

Liberty Ballroom

+ SUNDAY, NOVEMBER 7TH

8:00am-12:00pm

Cadaver Workshop

Liberty Ballroom

8:30am-12:00pm

Ultrasound Workshop

Liberty Ballroom



Aure Bruneau
CEO



Andrea Trescot, MD
Chief Medical Officer



Chad Andresen, MS
Biomedical Engineer



Brian Rich, MD
Faculty



Matthias Wiederholz, MD
Faculty



Bryan Williams
Northeast Regional
Sales Director



Matt Furman
Territory Manager



STIMWAVEFREEDOM.COM

Spine Search

Our company is SpineSearch, a medical recruitment firm. We are contingency-based and non-exclusive. If given the opportunity, we launch a full search, sending your qualified resumes with our notes after meeting the candidates 'live'. We also handle references, backgrounds, coordinate all of your interviews, and can also help with negotiations.

Stimwave

Stimwave is a neuromodulation company cleared by the FDA for a revolutionary, micro-invasive, IPG-free device to help patients reduce their chronic neuropathic pain by pinpointing stimulation directly to the affected peripheral nerves with a multi-electrode, programmable device which enables ongoing MRI scans. The StimQ PNS system is not intended to treat pain in the craniofacial region

Superior Spine

Superior Spine has serviced the NY/NJ pain management community for the last 10 years. We consistently bring new and innovative products to pain management physicians that improve patient care and build strong practices. We pride ourselves for having the most comprehensive product portfolio. We have come to be perceived as partners rather than just a typical distributor.

Surgicore

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, 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.

Tersera Pharmaceuticals

TerSera Therapeutics is a specialty pharmaceutical company headquartered in suburban Chicago with a focus on select therapeutic areas, including oncology and pain & inflammatory disorders. Our mission is to develop 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. We look forward to meeting you!

Upside Health

Upside Health is transforming the way that chronic pain is assessed and treated through its revenue-generating platform, branch. The product has been used by tens of thousands of patients in both health systems and private practices and can support your growth, medication management and resource management initiatives.

Vertos

Vertos Medical Inc. is a medical device company committed to developing innovative, minimally invasive treatments for lumbar spinal stenosis (LSS). mild®, its proprietary technology, is a safe, outpatient procedure designed to address a major root cause of LSS by removing excess ligament tissue to restore space in the spinal canal. For more information, visit www.Vertosmed.com.

Vivex Biologics

VIVEX Biologics is a pioneer in regenerative medicine, specializing in the development of naturally sourced treatment options and solutions that improve clinical, surgical and therapeutic patient care through innovation. With tissue damage resulting from a variety of diseases, direct injury or trauma, there is a significant need for advanced solutions. By leveraging the resources of the nation's oldest civilian tissue bank, VIVEX is channeling the body's inherent healing qualities to bring patients optimal care and to provide medical professionals and patients with innovative treatment options for a broad range of indications.



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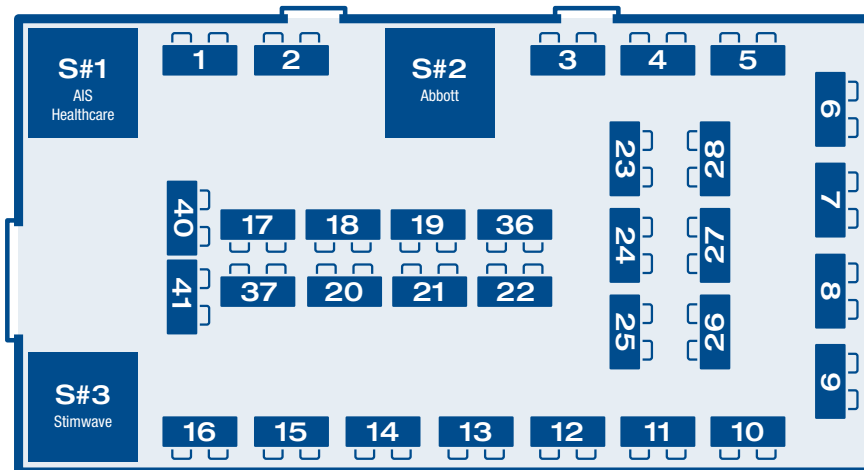
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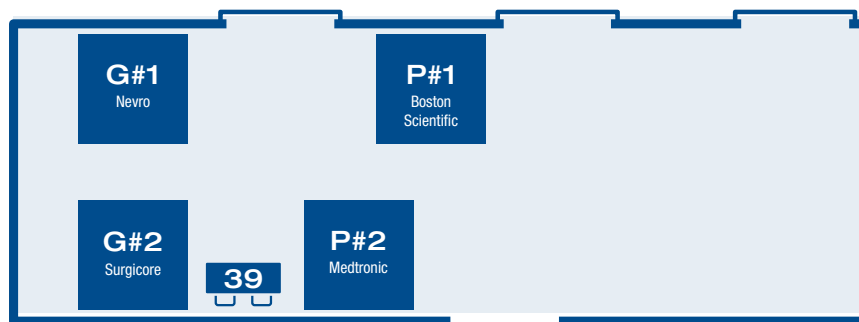
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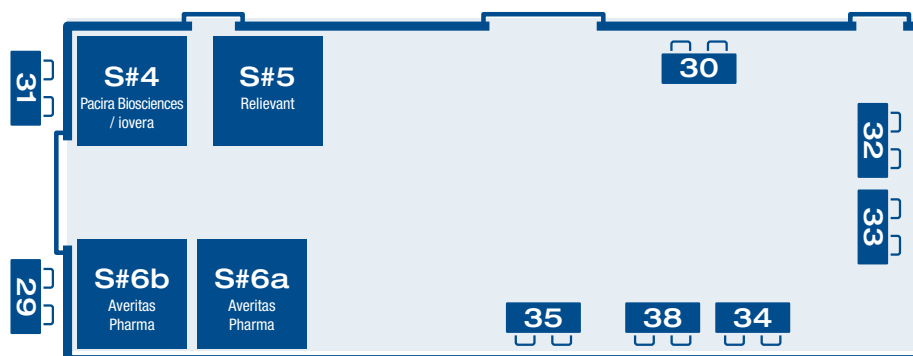
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1. Fishman M, Cordner H, Justiz R, et al. Randomized Controlled Clinical Trial to Study the Effects of Differential Target Multiplexed™ SCS (DTM™ SCS) in Treating Intractable Chronic Low Back Pain: Long-term Follow-Up Results. Presented at: North American Neuromodulation Society 24th Annual Meeting. Jan 15–16, 2021. Virtual



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