

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

EDUCATIONAL GUIDE

PROVIDERSHIP

This CME/CE activity is provided by Albert Einstein College of Medicine-Montefiore Medical Center in joint providership with the New York New Jersey Pain Symposium, Inc.

COMMERCIAL SUPPORT ACKNOWLEDGEMENT

Supported by an unrestricted educational grant from the following companies:

- | | | |
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| ➤ Averitas | ➤ Epimed International | ➤ SPR Therapeutics |
| ➤ Boston Scientific | ➤ Spinal Simplicity | ➤ Vertos Medical |
| ➤ Curonix | | |

Supported by an in-kind contribution of durable equipment from the following companies:

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- Stryker

TARGET AUDIENCE

This activity is designed for pain medicine physicians, nurse practitioners, and physician assistants.

NEEDS ASSESSMENT

Interventional Pain management incorporates interventional treatment options for patients to reduce or eliminate the need for chronic conventional medication management (and/or opiate therapy). Interventional treatment options include: spinal cord stimulation, peripheral nerve stimulation, vertebral augmentation, radiofrequency nerve ablation, etc. Since Interventional Pain Management is such a juvenile specialty, very few pain management physicians and anesthesiologists have gone through specific interventional fellowships and residencies. Training in the proper patient selection and utilization of these therapies is limited. Interventionalists need to attend and participate in training programs to receive education and skill-based training in options available for patients.

Additionally, new guidelines are emerging.

It is important for the experts in the field to share the most current information and data available to assist physicians in selecting the right patients and right therapies to improve patient outcomes. Vital topics to be discussed are: New Innovations, Establishing Protocols, Neuromodulation, Complicated Cases, Intrathecal Drug Delivery, Conflicting Evidence and Research. At the conclusion of this meeting, attendees will develop rational guidelines to assist in improving access to care and treatment outcomes for chronic pain patients.

LEARNING OBJECTIVES

- Compare the new and established techniques in interventional pain management to benefit their patients living with chronic or acute pain syndromes.
- Discuss emerging trends and disseminate the latest available data to raise awareness of the high standard of their state-of-the-art medical services.
- Identify educational deficiencies and offer current information and data to enhance patient results in managing chronic or acute pain conditions.
- Present the latest evidence-based medicine to support physicians in selecting appropriate patients for treatments. Provide a format for sharing information among the healthcare team to discuss and enhance care for patients with chronic or acute pain syndromes.

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- Review the appropriate utilization of screening options and patient selection to identify those patients at significant risk of developing addictions to controlled substance or those that may abuse, misuse, or divert medications prescribed for chronic pain.

ACCREDITATION STATEMENT



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, this activity has been planned and implemented by Albert Einstein College of Medicine-Montefiore Medical Center and the New York New Jersey Pain Symposium, Inc. Albert Einstein College of Medicine-Montefiore Medical Center is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

CREDIT DESIGNATION STATEMENTS

Physicians

Albert Einstein College of Medicine-Montefiore Medical Center designates this live activity for a maximum of 28 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician Assistants



Albert Einstein College of Medicine-Montefiore Medical Center has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 28 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

Nurses

Albert Einstein College of Medicine-Montefiore Medical Center designates this activity 28 nursing contact hours. Nurses should claim only credit commensurate with the extent of their participation in the activity.

IPCE Credits



This activity was planned by and for the healthcare team, and learners will receive 28 Interprofessional Continuing Education (IPCE) credits* for learning and change.

*For physicians, this is the number of *AMA PRA Category 1 Credits™* awarded.

*For non-physicians, this is the number of *AMA PRA Category 1 Credits™* designated.

Nurse Practitioners

American Academy of Nurse Practitioners Certified Program (AANPCP) and the American Association of Nurse Practitioners (AANP) accept *AMA PRA Category 1 Credit™* from organizations accredited by the ACCME (see above).

BREAKDOWN OF CREDIT HOURS

| | | |
|----------------------------|---------------------------------------|--------------------|
| Thursday, November 7, 2024 | Fellows/Residents Pre-Congress Course | 3.5 CME/CE Credits |
| Thursday, November 7, 2024 | APP Pre-Congress Course | 3.5 CME/CE Credits |
| Thursday, November 7, 2024 | Congress Program | 4.5 CME/CE Credits |
| Friday, November 8, 2024 | Congress Program | 8.0 CME/CE Credits |
| Saturday, November 9, 2024 | Congress Program | 8.0 CME/CE Credits |
| Sunday, November 10, 2024 | Cadaver Workshop | 4.0 CME/CE Credits |
| Sunday, November 10, 2024 | Ultrasound Workshop | 4.0 CME/CE Credits |

INSTRUCTIONS – COURSE EVALUATION/CE CERTIFICATE

In the event you are unable to retrieve the certificate, please e-mail cme@montefiore.org.

Option #1: Use your mobile device to scan the QR code to log your attendance, complete the course evaluation, and access your certificate.



Option #2: By Friday, November 15, 2024, an email from cme_evaluation@eeds.com will be sent to you, containing a link to complete the course evaluation and obtain your certificate. After completing the online evaluation, you'll have the option to print and/or save a copy of the certificate for your records.

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FINANCIAL RELATIONSHIPS

The “Policy on Identification, Mitigation and Disclosure of Relevant Financial Relationships” of Albert Einstein College of Medicine-Montefiore Medical Center requires that any individual in control of content, including faculty, participating in CME/CE activities disclose to the audience all relevant financial relationships with ineligible companies* in the last 24 months. Any individual in control of content who refuses to disclose, or their disclosed relationships prove to create a conflict of interest will be recused.

Individuals with the absence of relevant financial relationships with ineligible companies will be disclosed to the audience. All financial relationships of individuals in a position to control the content of this CME/CE activity has been identified and mitigated prior to this educational activity.

**The ACCME defines an ineligible company as those whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.*

SCIENTIFIC ORGANIZERS

The following organizers and planners have relevant financial relationships with ACCME-defined ineligible companies during the past 24 months:

Brian Durkin, DO

Scientific Program Member

received consulting fees from Boston Scientific for serving as an advisory board member; and received consulting fees from Nevro for serving as a consultant.

Christopher Gharibo, MD

NY/NJ Pain Medicine Congress Vice Chair
Cadaver Workshop Director
Scientific Program Member

received consulting fees from Tris for serving on the advisory board; received a title from Cytogel for serving as a consultant; received Honoraria from Collegium for serving as an independent contractor. Collegium business line or products are relevant to Gharibo’s presentation. Cytogel business line or products are NOT relevant to Gharibo’s presentation.

Casey Grillo, NP

APP Pre-Conference Course Director
Scientific Program Member
Faculty

received consulting fees from Nalu for serving as a consultant. This relationship has not ended.

Karina Gritsenko, MD

Fellows & Residents Pre-Conference Course Director
Scientific Program Member
Faculty

received consulting fees from Pacira and Averitas for serving as a consultant.

Kristen Klein, AGNP-C

APP Pre-Conference Course Director
Scientific Program Member
Faculty

received consulting fees from Relevant Medsystems/Boston Scientific, Vertos Medical, Nevro, Corner Loc, Mainstay Medical, and Vivex biologics for serving as a consultant. Mainstay Medical and Relevant/Boston Scientific business line or products are relevant to Klein’s presentation.

Sean Li, MD, FPP

Fellows & Residents Pre-Conference Course Director
Scientific Program Co-Chair
Faculty

received consulting fees for serving as a consultant from Abbott, Avanos, Averitas Pharma, Biotronik, Boston Scientific, Nalu, PainTeq, Saluda, SPR Therapeutics and Vertos; and received grant funds for contracted researched from Avanos, Averitas Pharma, Nevro, Presido, SPR Therapeutics. Dr. Li also received stock options for serving as a consultant from Nalu and NeuroOne; however, his presentation is not connected to Nalu and NeuroOne’s business line or products.

Neel Mehta, MD

Scientific Program Member

received consulting fees from Boston Scientific and Salix Pharma for serving as a consultant. This relationship has not ended

Ashish Shetty, MD

Ultrasound Workshop Director
Scientific Program Member
Faculty

received consulting fees from Nevro Corp USA for serving as a consultant. Nevro Corp USA business line or products are relevant to McGinn’s presentation.

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SCIENTIFIC ORGANIZERS

The following organizers and planners have relevant financial relationships with ACCME-defined ineligible companies during the past 24 months:

Victor Silva, MD

Cadaver Workshop Director
Scientific Program Member
Faculty

received honoraria from Medtronic for serving as a teacher (this relationship has ended); and received honoraria from Axon for serving on the advisory board. Medtronic and Axon business line or products are relevant to Silva's presentation.

Sayed Emal Wahezi, MD

NY/NJ Pain Medicine Congress Course Director
Faculty

received consulting fees from Boston Scientific for serving as a consultant and on the advisory board.

Scott Woska, MD

NY/NJ Pain Medicine Congress Vice Chair
Cadaver Workshop Director
Scientific Program Member
Faculty

received stock options for serving as a consultant from Nalu and SPR Therapeutics; however, his presentation is not connected to Nalu and SPR Therapeutics' business line or products.

The following organizers and planners have no relevant financial relationships with ACCME-defined ineligible companies during the past 24 months:

Latrice Akuamoah, MD

NY/NJ Pain Medicine Congress Course Director
Content Reviewer
Faculty

Victor B. Hatcher, PhD

Content Reviewer

Steve Aydin, DO

Fellows & Residents Pre-Conference Course Director
Scientific Program Member
Ultrasound Workshop Director
Content Reviewer
Faculty

Andrew Kaufman, MD

NY/NJ Pain Medicine Congress Course Director
Scientific Program Member
Faculty

George Chang Chien, DO

Ultrasound Workshop Director
Scientific Program Committee
Scientific Program Member
Faculty

Jesus Medina, MD

Ultrasound Workshop Director
Scientific Program Member
Faculty

Sudhir Diwan, MD

NY/NJ Pain Medicine Congress Chairman
Cadaver Workshop Director
Scientific Program Chair
Faculty

Robert Tiso, MD

NY/NJ Pain Medicine Congress Course Director
Faculty

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FINANCIAL RELATIONSHIPS

FACULTY

The following faculty have relevant financial relationships with ACCME-defined ineligible companies during the past 24 months:

Alaa Abd-Elseyed, MD
Faculty

received consulting fees from Medtronic, Curonix, Averitas; and Avanos for serving on the advisory board. These relationships have not ended.

Doug Beall, MD, FIPP
Faculty

received consulting fees from Medtronic, Merit Medical, Johnson & Johnson, IZI, Techlamed, Peterson Enterprises, Medical Metrics, Avanos, Boston Scientific, Simplify Medical, Stryker, Lenoss Medical, Spine BioPharma, Piramal, ReGelTec, Nanofuse, Spinal Simplicity, Pain Theory, and Spark B for serving as a consultant; received grant funds from Medtronic, Medical Metrics, Avanos, Relieva, Boston Scientific, Stryker, Sollis Pharmaceuticals, Simplify Medical, Lenoss Medical, Spine BioPharma, Eliem Therapeutics, Smart Soft, Tissue Tech, Vivex, Stratus Medical, Restorative Therapies, and Kolon TissueG for contacted research; and received honoraria from Medtronic, ReGelTec, Nanofuse, Talosix, Spinal Simplicity, Pain Theory, Spark Biomedical, Smart Soft, Tissue Tech, Bronx Medical, Thermaquil, Vivex, Genesys, SetBone Medical, Amber Implants, Cerapedics, SpinaFX, SI Bone, AIS Healthcare for serving on the advisory board.

Maria Constanza Bedoya, MD
Faculty

received grant funds from Globus Medical for serving as a teacher; and received grant funds from Avalon for serving on the speakers bureau.

Helen Blake, MD
Faculty

received consulting fees from Abbott, Saluda, Stratus and Neurovasiis for serving as an Independent Contractor. These relationships have not ended.

Nicole Busch, NP, MSN, APRN, AGCNS-BC
Faculty

received consulting fees from CornerLoc/TransLoc for serving as a consultant. This relationship has not ended.

Anjum Bux, MD
Faculty

received consulting fees from Medtronic for serving as a consultant, received consulting fees from Boston Scientific for serving on the advisory board, and received honoraria from Vertos for serving on the speaker bureau. Dr. Bux also received a salary from AIS Healthcare for his employment; however, his presentation is not connected to AIS Healthcare's business line or products.

Aaron Calodney, MD, FIPP
Faculty

received consulting fees from Medtronic, Companion Spine, PainTeq and Vertos for serving as a consultant; received grant funds from Boston Scientific, Spine Biopharma, Nevro, Biorestorative, and Relieva for contacted research; and received honoraria from Relieva for serving as a speaker.

Kenneth B. Chapman, MD, FIPP
Faculty

received consulting fees from Abbott for Contracted Research. Abbott business line or products are relevant to Dr. Chapman's presentation.

Ashley Comer, MSN, APRN, FNP-C
Faculty

received consulting fees from SPR Therapeutics, Vertos, Abbott, Saluda, PainTEQ, NALU, Spinal Simplicity, Informed Consent and Aurora for serving as a consultant

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The following faculty have relevant financial relationships with ACCME-defined ineligible companies during the past 24 months:

Timothy Deer, MD, FIPP
Faculty

received consulting fees from Abbott, Vertos Medical, SPR Therapeutics, Biotronik, and Nervonik for serving on the advisory board; and received consulting fees from Abbott, Vertos Medical, Cornerloc, Saluda, Spinal Simplicity, PainTeq, Nervonik, Aurora, Biotronik, Spine Thera, SPR Therapeutics for serving as a consultant; and received consulting fees from Abbott, Boston Scientific, SPR Therapeutics, Mainstay, PainTeq, and Saluda for Contracted Research. Abbott, Saluda, Mainstay, Boston Scientific, PainTeq, and SPR Therapeutics business line or products are relevant to Dr. Deer's presentation.

Fabricio Dias Assis, MD, FIPP
Faculty

received consulting fees from Medtronic and Boston Scientific for serving as a teacher. Abbott business line or products are relevant to Dias Assis's presentation.

Collin Duffy, PA-C
Faculty

received consulting fees from Vertos for serving as a speaker.

Megan Filoramo, APN-C
Faculty

received honoraria from Nevro for serving on the speaker bureau; and received consulting fees from Salix for serving as a speaker. These relationships have not ended.

Christopher Gilligan, MD, FIPP
Faculty

received consultant fees from Mainstay Medical, Saluda, Biotronik Persica and Iliad Lifesciences for serving on the advisory board.

Corey Hunter, MD
Faculty

received consultant fees from Abbott, Saluda and Biotronik for serving on the advisory board; and received stock options from Nalu and PainTEQ for serving on the advisory board.

Zohra Hussaini, ANRP
Faculty

received consulting fees from Nevro, Averitas, PainTEQ and SPR for serving as a consultant; and received consulting fees from Vertso for serving on the advisory board. NEVRO and SPR business line or products are relevant to Hussaini presentation.

Hemant Kalia, MD, FIPP
Faculty

received consulting fees from Abbott for serving as a teacher; received consulting fees from Nalu for serving as a speaker; and received consulting fees from Nervonik for serving on the advisory board.

Leonardo Kapural, MD, PhD, FIPP
Faculty

received consulting fees from Avanos, FUS Mobile, Neuralace, Nevro, Xalud, and Nalu for contracted research; received honoraria from Saluda and Nevro serving on the speakers bureau; and received consulting fees from Gimer, Neuralace, Presidio, PainTEQ and Nevro for serving on the advisory board.

Giuliano Lo Bianco, MD, FIPP
Faculty

received consulting fees from Stryker for serving as a teacher; and received consulting fees from Abbott for serving as a speaker.

Carlos Marcelo De Barros, MD, PhD, FIPP
Faculty

received consulting fees from Haleon and Kenvue for serving on the advisory board; and received consulting fees from Medtronic, Grunenthal, Ache and EMS for serving as a speaker.

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The following faculty have relevant financial relationships with ACCME-defined ineligible companies during the past 24 months:

Patrick McGinn, PA
Faculty

received consulting fees from Vertos Medical, Saluda Medical, Biotronik and Carwin Pharma for serving on the advisory board. Saluda Medical and Biotronik business line or products are relevant to McGinn's presentation.

Neel Mehta, MD
Faculty

received consulting fees from Boston Scientific and Salix Pharma for serving as a consultant. This relationship has not ended

Daniel Pak, MD
Faculty

received consulting fees from Mainstay Medical and Nevro for serving as a teacher.

Anish Patel, MD
Faculty

received a salary from AIS Healthcare for his role in a management position.

David Reece, DO
Faculty

received honoraria from Nevro, SPR Therapeutics, Abbott and Saluda for serving as a teacher; and received honoraria from Averitas for serving on the speakers' bureau.

Dawood Sayed, MD
Faculty

received consulting fees from PainTeq, Saluda, Abbott and Surgentec for serving on the advisory board.

Michael Schatman, PhD
Faculty

received consultant fees from Apurano Pharma for serving as a consultant.

Naum Shaparin, MD
Faculty

received grant funds from AcelRx Pharmaceuticals and Averitas Pharma for Contracted Research. These relationships have ended.

Konstantin Slavin, MD
Faculty

received research and fellowship support from Abbott, Medtronic, Boston Scientific, Nevro, Saluda, Biotronik, Curonix, WISE, Synergia, Thermaquil and Neuramodix for research and fellowship support. These relationships have not ended.

Harry Sukumaran, MD
Faculty

received consulting fees from Vertos Medical for serving on the advisory board; and received consulting fees from SPR Therapeutics, Medtronic and SI Bone for serving as a consultant.

Baher Yanni, MD
Faculty

received consulting fees from Spinal Simplicity for teaching engagements. Spinal Simplicity business line or products are relevant to Yanni's presentation.

The following faculty have no relevant financial relationships with ACCME-defined ineligible companies during the past 24 months:

Anthony CI, MBBS
Jose De Andres, MD
Rodrigo Diez Tafur, MD
Tiago Freitas, MD
Meredith George
Carlos Guerrero, MD
Mayank Gupta, MD
Manuel Herrero Trujillano, MD
Ale Ismael Gonzalez, MD
Evan Jay
Jennifer Kirschenbaum, JD

Danielle Kohr, MD
Camila Lobo Ferreira, MD
Annu Navani, MD
Victor Pacheco, MD
Juan De La Cruz Pineda, MD
Ricardo Plancarte Sanchez, MD
Vinay Puttaniah, MD
Robert Rapcan, MD
Sandeep Rathi
Carlos Restrepo, MD
Ignacio Reyes Torres, MD

Edward Rubin, MD
Ricardo Ruiz-Lopez, MD
Ruchi Sharma, MD
Hannah Sisti, PA-C
Agnes Stogicza, MD
Donald Tang, MD
Yu Chuan Grace Tsai, MD
Ricardo Vallejo, MD
Juan Felipe Vargas, MD
Eucelin Nohelia Villalobos Medina, MD
Jee Yoon Moon, MD

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AGENDA

FELLOWS / RESIDENTS PRE-CONGRESS COURSE

Course Directors: Steve M. Aydin, DO, Karina Gritsenko, MD, Sean Li, MD
Thursday, November 7, 2024
Harborside Room

- 07:00-07:50 AM Registration
- 07:50-08:00 AM **Welcoming 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

- 08:00-08:15 AM **Past, Present and Future of Pain Medicine**
Annu Navani, MD
- 08:15-08:30 AM **Humanities in Pain Medicine: Context Counts**
Michael E. Schatman, PhD, CPE
- 08:30-08:45 AM **US Reimbursement Climate – Understanding the Payer Market from Private to Medicare**
Meredith George, SCP-PM
- 08:45-09:05 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
- 09:05-09:25 AM **Intricacies of Neuromodulation (SCS, PNS, and ITP)**
Corey Hunter, MD
- 09:25-09:40 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

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**Session 2: The Journey of a Pain Fellow:
Preparing for the Professional Challenges (10:30-12:00 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

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APP PRE-CONGRESS COURSE

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

Thursday, November 7, 2024

Palisades Room

| | |
|----------------|---|
| 07:00-07:50 AM | Registration |
| 07:50-08:00 AM | Welcoming Remarks Kristen Klein, AGNP-C, Casey Grillo, NP |

Session 1: Updates on Current Interventional Pain Practice (08:00-10:00 AM)

Moderator: Kristen Klein, AGNP-C

| | |
|----------------|---|
| 08:00-08:20 AM | MRI Review of the Spine-Identifying Red Flags and Application to Practice Doug Beall, MD |
| 08:20-08:40 AM | Neuromodulation 101-Understanding the Basics Patrick McGinn, PA |
| 08:40-09:10 AM | Advanced Neuromodulation Waveforms and Therapies Zohra Hussaini, NP |
| 09:10-09:40 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 |
| 09:40-10:00 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 (10:20 AM-12:00 PM)

Moderator: Casey Grillo, NP

| | |
|----------------|--|
| 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 <ul style="list-style-type: none">• 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 |

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Session 2: Physician and APP Collaboration (10:20 AM-12:00 PM)

Moderator: Casey Grillo, NP

11:30 AM-12:00 PM

Panel Discussion with Timothy Deer, MD

Integration Best Practices – How to Become a Leader in Your Practice, Enhance Education, 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

12:00-01:00 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

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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

12:50-01:00 PM **Welcome Remarks**
Sudhir Diwan, MD, Scott Woska, MD, Christopher Gharibo, MD

Session 1: Regenerative Medicine I. (01:00-03:00 PM)

Moderator: Sudhir Diwan, MD

01:00-01:20 PM **Intradiscal Biologics: Allogenic vs. Autologous**
Aaron Calodney, MD

01:20-01:40 PM **Intradiscal BMAC for Disc Regeneration after Microdiscectomy**
Anthony CI, MBBS

01:40-02:00 PM **Peripheral Blood Derived VSEL Stem Cells, Expanded Indications**
Annu Navani, MD

02:00-02:20 PM **Subchondral Injections of Biologics for Disc Degeneration**
Sudhir Diwan, MD

02:20-02:40 PM **Use of Peridural Bone Marrow Aspirate in the Treatment of Spinal Cord Injuries**
Victor Pacheco, MD (Brazil)

02:40-03:00 PM **Panel Discussion with Doug Beall, MD**
Panel Members: Aaron Calodney, MD, Sudhir Diwan, MD, Annu Navani, MD, Victor Pacheco, MD

03:00-03:30 PM **Coffee Break with Exhibitors**
Scientific Poster Viewing

Session 2: Regenerative Medicine II. (03:30-06:00 PM)

Moderator: Annu Navani, MD

03:30-03:50 PM **Cutting Edge Stem Cells Research Transforming Spinal Pain Management**
Giuliano Lo Bianco, MD (Italy)

03:50-04:10 PM **Clinical Advances on Culturing and Cryopreservation of MSC from Autologous Adipose Tissue**
Ricardo Ruiz-Lopez, MD (Spain)

04:10-04:30 PM **Regenerative Approach to Whiplash Associated Disorders**
Agnes Stogicza, MD

04:30-04:50 PM **Role of PRP/Stem Cell to Heal Annular Tear after Endoscopic Discectomy**
Robert Rapcan, MD (Slovakia)

04:50-05:05 PM **Biotensegrity and Functional Unit Approach in Regenerative Medicine**
George Chang Chien, DO

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

Session 2: Regenerative Medicine II. (03:30-06:00 PM)

Moderator: Annu Navani, MD

| | |
|----------------|--|
| 05:05-05:20 PM | Orthobiologics for Osteoarthritis: Intraarticular vs Subchondral Injections Jesus Medina, MD (Mexico) |
| 05:20-05:35 PM | Prolotherapy: Clinical Applications and Evidence Camila Lobo Ferreira, MD (Brazil) |
| 05:35-06:00 PM | Keynote lecture: Blurring the Boundaries between Biologics and Technology: 2023 and Beyond Annu Navani, MD |
| 06:00-07:00 PM | Wine & Cheese Welcome Reception with the Exhibitors Exhibition Area |

No CME Credit hours are available for this session.

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CONGRESS PROGRAM

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

07:00-07:50 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 Tutera, VP Market Access (Nalu)

No CME Credit hours are available for this session.

07:50-08:00 AM **Welcome Remarks**
Scott Woska, MD

Session 3: Neuromodulation I. (8:00-10:00 AM)

Moderator: Andrew Kaufman, MD

08:00-08:20 AM **Neuromodulation for Peripheral Neuropathy vs. Mononeuropathy**
Leonardo Kapural, MD

08:20-08:35 AM **Neuromodulation for Brachial Plexopathy**
Tiago Freitas, MD (Brazil)

08:35-08:50 AM **Current Advances in Closed Loop Stimulation**
Corey Hunter, MD

08:50-09:05 AM **Nonsurgical Neurolytic Procedures for Neuropathic Pain**
Mayank Gupta, MD

09:05-09:20 AM **Updates in Neuromodulation for Visceral Pain**
Andrew Kaufman, MD

09:20-09:40 AM **Delayed Gratification. The Process of Improving Your Mind by Suffering**
Timothy Deer, MD

09:40-10:00 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

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Session 4: Neuromodulation II. (10:30 AM-12:30 PM)

Moderator: Christopher Gharibo, MD

- 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 AM **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 (01:30-03:30 PM)

Moderator: Vinay Puttanniah, MD

- 01:30-01:45 PM **Multidisciplinary Pain Control in Cancer Patients: State of the Art**
Carlos Marcelo De Barros, MD, PhD (Brazil)
- 01:45-02:00 PM **Visceral Neurolytic Blocks for Cancer Pain**
Ale Ismael Gonzalez, MD (Mexico)
- 02:00-02:15 PM **Neuromodulation in Cancer Pain Management**
Jee Yoon Moon, MD, PhD (South Korea)
- 02:15-02:30 PM **IDDS: Novel Dosing Parameters**
Hemant Kalia, MD

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- 02:30-02:45 PM **Intrathecal Compounding: The Lessons we Learned!**
Anjum Bux, MD
- 02:45-03:00 PM **CDC Guidelines: What is In? What is Out?**
David Reece, DO
- 03:00-03:15 PM **Osteogenic Pain: A Novel Concept**
Ricardo Plancarte Sanchez, MD, PhD (Mexico)
- 03:15-03:30 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
- 03:30-04:00 PM **Coffee Break with Exhibitors
Scientific Poster Viewing**

Session 6: Education and Research (04:00-06:00 PM)

Moderator: Miles Day, MD

- 04:00-04:40 PM **Abstract Presentation and Awards**
Scientific Committee: Miles Day, MD, Helen Blake, MD, Neel Mehta, MD, Karina Gritsenko, MD
- 04:40-04:55 PM **Interventional Pain Medicine: Bridging the Bio-Psycho-Social Abyss in Pain Management**
Michael E. Schatman, PhD, CPE
- 04:55-05:10 PM **Education and Mentorship: Fellowship and Beyond**
Helen Blake, MD
- 05:10-05:25 PM **AI in Pain Management Advancements, Applications and Possibilities**
Carlos Guerrero, MD (Colombia)
- 05:25-05:40 PM **Therapies for Painful Diabetic Neuropathy**
Neel Mehta, MD
- 05:40-06:00 PM **Keynote Lecture: Cutting Edge Technology Research: Bench to Bedside and Marketing**
Ricardo Vallejo, MD
- 06:30-07:30 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

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07:30-10:30 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

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CONGRESS PROGRAM

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

07:00-07:50 AM **Breakfast Symposium** | Harborside Room
Broadening Your Treatment Algorithm with Differentiated Interventions
Sponsored by Platinum Sponsor Boston Scientific

No CME Credit hours are available for this session.

07:50-08:00 AM **Welcome Remarks**
Sudhir Diwan, MD

Session 7: Minimally Invasive Spine I. (8:00-10:05 AM)

Moderator: Robert Tiso, MD

08:00-08:15 AM **Vertebrogenic Pain: Changing the Paradigm**
Brian Durkin, DO

08:15-08:30 AM **Hight Restoration after Vertebral Fracture**
Jose De Andres, MD (Spain)

08:30-08:45 AM **Interspinous Fixation: The Indications and Outcomes**
Anish Patel, MD

08:45-09:00 AM **Pulsed, Bipolar, and Bipolar Pulsed Radiofrequency of Spine**
Donald Tang, MD (Taiwan)

09:00-09:15 AM **Epidural Steroids-Particulate vs. Non-Particulate: What did We Learn?**
Yu-Chuan Grace Tsai, MD

09:15-09:30 AM **Anticoagulation Guidelines for Spinal Procedures**
Ignacio Reyes Torres, MD (Mexico)

09:30-09:35 AM **LAPS (Latin American Pain Society) Introduction**
Sudhir Diwan, MD, Ricardo Plancarte Sanchez, MD and Victor Silva, MD

09:35-10:00 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. (10:30 AM – 12:30 PM)

Moderator: Scott Woska, MD

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)

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|----------------|---|
| 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 AM | 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 |

| | |
|----------------|--|
| 12:30-01:30 PM | Lunch Symposium Manhattan Ballroom Sponsored by Gold Sponsor SPR Therapeutics PNS Master Minds: SPRINT® PNS Edition Presenters: <ul style="list-style-type: none">■ Tim Deer, MD■ Sean Li, MD■ Amit Gulati, MD■ Harry Sukumaran, MD■ Ali Valimahomed, MD■ Maricela Schnur, MD■ Kiran Patel, MD |
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No CME Credit hours are available for this session.

Session 9: Challenges of Interventional Pain Practice (1:30-3:40 PM)

Moderator: Latrice Akuamoah, MD

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|----------------|---|
| 01:30-01:45 PM | Challenging Times Practicing Interventional Pain Robert Tiso, MD |
| 01:45-02:00 PM | Local Politics, Lobbying and Legislators Edward Rubin, MD |
| 02:00-02:15 PM | Update in Sphenopalatine Ganglion Block: Target for Headaches Manuel Herrero Trujillano, MD (Spain) |
| 02:15-02:30 PM | Stellate Ganglion Block: Beyond Pain Relief Juan Felipe Vargas, MD (Colombia) |
| 02:30-02:45 PM | Fascia and Nerve Hydrodissection for Upper Back Pain Wesley Chih-Chun Chen, MD (Taiwan) |
| 02:45-03:00 PM | Infusion Therapies for Chronic Pain: Review of the Evidence Tolu Alugo, MD (Canada) |
| 03:00-03:15 PM | Navigating Expanding Armamentarium for Optimal Patient Outcome Latrice Akuamoah, MD |

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03:15-03:40 PM **Keynote Lecture: Review of Neuroanatomy of SIJ and Radiofrequency Ablation: Introducing a Novel Approach**
Victor Silva, MD (Mexico)

03:40-04:00 PM **Coffee Break with Exhibitors**
Scientific Poster Viewing

Session 10: Advanced Pain Therapies (04:00-06:00 PM)

Moderator: Konstantin Slavin, MD

04:00-04:15 PM **Extraforaminal Nerve Root Stimulation for Neuropathic Pain**
Danielle Kohr, MD (Germany)

04:15-04:35 PM **Neuromodulation for Complex Facial Pain and Headache**
Miles Day, MD

04:35-04:50 PM **Evidence Based Interventions for Headaches**
Carlos Restrepo, MD (Colombia)

04:50-05:10 PM **Focused Ultrasound for Chronic Pain**
Leonardo Kapural, MD

05:10-05:25 PM **Knee RFA: Best Evidence to Knee Ablative Options? Best Evidence?**
Karina Gritsenko, MD

05:25-05:40 PM **Hip Denervation: The Best Practice**
Juan De La Cruz Pineda, MD (Mexico)

05:40-06:00 PM **Future of Neuromodulation in Chronic Pain**
Konstantin Slavin, MD

06:00-06:30 PM **NYSIPP State Society Meeting in Hudson Ballroom**
NJSIPP State Society Meeting 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

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Cadaver Workshop

Sunday, November 10, 2024 ■ 08:00 AM-12:00 PM ■ Hudson I+II 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 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 |

Attendees rotate through each station – 30-minute rotations.

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Ultrasound Workshop

Sunday, November 10, 2024 ■ 08:00 AM-12:00 PM ■ Hudson IV+V+VI Room

Workshop Directors:

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 Stogicza, MD
Donald Tang, MD
Juan Felipe Vargas, MD
Edward Yoon, MD

Station 1

Head and Neck

- Greater occipital nerve
- Third occipital nerve
- Stellate ganglion
- Cervical facets/MBB
- Cervical nerve roots

Station 2

Shoulder

- Long head of biceps
- Suprascapular nerve
- Shoulder articular branches
- Subacromial subdeltoid bursa
- Acromioclavicular joint
- Glenohumeral joint
- Axillary nerve

Station 3

Posterior Pelvis

- Pudendal
- Piriformis
- Obturator internus
- SI Joint
- Posterior Femoral cutaneous nerve of thigh

Station 4

Lumbar Spine / Thorax

- MBB/Facets
- Caudal
- Multifidus
- Intercostal
- Paravertebral block

Station 5

Lower Limb

- Knee – Genicular/Adductor canal/IPAC
- Hip – PENG
- GT Complex
- LFCN

Station 6

Thorax / Abdomen

- Intercostal
- Rectus sheath
- Quadratus Lumborum block
- Ilioinguinal/ IH
- Genitofemoral block
- TAP

Attendees rotate through each station – 40-minute rotations.

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Cadaver Workshop

NeurolyserXR Station

Sunday, November 10, 2024 ■ 8:00 AM-12:00 PM ■ Hudson III

No CME Credit hours are available for this session.

Regenerative Medicine Workshop

Sunday, November 10, 2024 ■ 8:00 AM-12:00 PM ■ Harborside Room

Sponsored by Apex Biologics

No CME Credit hours are available for this session.

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

| | |
|-------------------|--|
| 08:00-08:30 AM | Exosome and its Applications Vince Liguori, Ageless Biotech & L2 Bio |
| 08:30-09:00 AM | Bone Marrow Aspiration Sudhir Diwan, MD |
| 09:00-09:30 AM | PRP Concentrations George Chang Chien, DO |
| 09:30-10:00 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.