

GENERAL INFORMATION

WHO SHOULD ATTEND

Educational sessions are geared toward neurosurgeons, orthopedic surgeons, spine care specialists, fellows, and residents, and are applicable to treatment of pain.

WHAT'S INCLUDED IN THE REGISTRATION FEE?

Medical Registration includes the following:

- Daily Breakfasts, Lunches and Beverage Breaks
- Daily Scientific Sessions
- Entrance to the Exhibit Hall
- One ticket to Thursday Opening Reception
- Entry to Friday Sponsored Breakfast and Lunch Symposia

FOUR WAYS TO ADVANCE REGISTER

- 1. Online:** (credit card only) cns.org/sections/pain
- 2. Phone:** 800-931-9543 or 972-349-5539
- 3. Fax:** (972) 349-7715 (credit card only)
- 4. Mail:** Pain Section Registration and Housing Center, 6100 W. Plano Parkway, Suite 3500, Plano, TX 75093

CHILD CARE SERVICES

For guests who are interested in Child Care, call 702-698-7475 or visit <https://nahusa.com>.

EVALUATIONS

The evaluation process is a key component in providing cutting-edge programming at the Joint Section on Pain Annual Meeting. Your feedback on the quality and diversity of the program helps to determine future Meeting programming. Your voice is important and your opinions are valued!

SPEAKER READY ROOM

The Speaker Ready Room will be available Thursday, March 5 through Saturday, March 7. All speakers and abstract presenters should visit the Speaker Ready Room at least one hour prior to their presentations.

OPENING RECEPTION

Take in spectacular views while enjoying true Las Vegas entertainment poolside. Enjoy a lavish array of food and beverages as you network with friends and colleagues at the Opening Reception. Each medical attendee and spouse/guest registered for the meeting will receive one complimentary ticket. Please note this event is held outdoors. Resort casual attire is recommended.

SPEAKER REGISTRATION

Complimentary registration will not be provided for one-day speakers. All speakers must register at the applicable registration rate.

REGISTRATION CANCELLATION/ REFUND POLICY

All refund requests must be received in writing by February 17. Requests accepted via: **Email:** dspn@mcievents.com **Fax:** 972-349-7715

CANCELLATION DATES:

Before February 17: Full refund less \$100 processing fee
After February 17 and No-Shows: No refunds will be issued after this date, regardless of cause.

HOTEL ACCOMMODATIONS

The Cosmopolitan of Las Vegas offers luxury accommodations and amenities your whole family is sure to enjoy, from fine dining to a host of recreation activities.

RESORT AMENITIES

Luxurious on-site spa; Three distinct pool experiences; 100,000-square-foot casino; and more!

Hotel Room Rates

Standard Room	Single	Double	Triple	Quad
	\$293.65*	\$293.65*	\$333.34*	\$373.02*

*Above rates include applicable state and local taxes. A portion of the room rate will be utilized to cover the cost of registration and housing services.

*The above rates do not include an additional \$25 per room per night mandatory resort fee

These special rates are only available until the February 7, 2020, cut-off date. The Joint Section on Pain cannot guarantee the availability of this rate after the cutoff date.



HOTEL RESERVATION INFORMATION AND DEADLINES

Hotel reservations are only available to registered attendees. You must first register for the Section on Pain Annual Meeting before making your hotel arrangements. Rooms are subject to availability. Reserve your room by **February 7, 2020**.

HOTEL CONFIRMATIONS, CANCELLATIONS, OR CHANGES FEBRUARY 21

- All changes and cancellations are subject to availability and cancellations may be made online at www.cns.org/sections/pain or via email at dspn@mcievents.com.

FEBRUARY 22

- All changes and cancellations must be made directly with the hotel.
- The Cosmopolitan of Las Vegas. The hotel will retain the deposit for cancellations not made at least 72 hours prior to confirmed arrival date—no exceptions.

ONSITE REGISTRATION HOURS

THURSDAY, March 5	11:00 am–5:30 pm
FRIDAY, March 6	6:30 am–6:30 pm
SATURDAY, March 7	6:30 am–12:15 pm

AMERICANS WITH DISABILITIES ACT/ SPECIAL NEEDS AND REQUESTS

The Joint Section on Pain wishes to take the necessary steps to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently than other individuals because of the absence of auxiliary aids and services. Please let us know if, under the ADA, you require special accommodations or services in order to attend the Joint Section on Pain Annual Meeting.

Your requirements should be sent directly to the Joint Section on Pain Housing and Registration Center by emailing dspn@mcievents.com or calling 866-931-9543. Please provide any requests at least 30 days prior to Pain Section to guarantee accommodation. Scooter and wheelchair rentals are available by contacting ScootAround, Inc. at 888-441-7575 or www.scootaround.com.

DEPOSIT

A deposit equal to one night's room and tax is required to hold each guest's reservation. This payment must be submitted with your registration fees. Credit cards will be charged in mid-February. Please make checks payable to the DSPN Housing Center and mail checks to: DSPN Registration and Housing Center, 6100 W. Plano Parkway, Suite 3500, Plano, TX 75093. All rooms are subject to applicable state and local taxes. Hotel reservations requested without deposit will not be accepted.

TRANSPORTATION TO THE HOTEL

The Cosmopolitan of Las Vegas is located just under three miles from McCarran International airport.

- \$15–\$20 average costs for Uber or Lyft; \$25 approximate taxi fare each way
- \$100 for a private sedan through the hotel's preferred transportation company, ODS limo. Visit www.odslimo.com or call 702-688-7353.

AIRLINE DISCOUNTS

The Section on Pain is pleased to offer discounts with the following airlines. Discount codes can only be used when booking through the airline website. **American Airlines:** March 2–12, 2020; Code: 2930DU **United Airlines:** March 2–11; Code: ZHQC

NO SMOKING POLICY

Smoking is not permitted at any official Joint Section on Pain Annual Meeting event. Smoking is allowed at The Cosmopolitan of Las Vegas in designated areas only.



Congress of Neurological Surgeons
AANS/CNS Section on Pain
10 N. Martingale Road, Suite 190
Schaumburg, IL 60173-2294



JOIN US!

Joint Section on Pain 2020 Annual Meeting

The Science of Pain Treatments Meets Everyday Practice

Attend both Section on Pain 2020 Annual Meeting and 2020 Spine Summit March 5–8 and **save \$200!**

March 5–7, 2020

The Cosmopolitan of Las Vegas | Las Vegas, Nevada

Advance Registration Deadline:
Friday, February 7, 2020



Don't Miss Our Opening Reception!*

Thursday, March 5, 2020 | The Cosmopolitan of Las Vegas | Chelsea Pool

Enjoy an unforgettable night at our Cirque-themed Opening Reception you won't forget!

- Classic rock-and-roll music and an Elvis-tribute artist
- Electrifying dance sensation as dancers perform a choreographed show on land and water
- Magical mermaids/rotating performances via multiple floating stages
- Contortionists perform mind and body-bending; chair balancers stack chairs up to 20 feet high; and more!

*One entry ticket included with registration; additional tickets can be purchased in advance.



Joint Section on Pain 2020 Annual Meeting

The Science of Pain Treatments Meets Everyday Practice



March 5-7, 2020
The Cosmopolitan of Las Vegas
Las Vegas, Nevada



Congress of
Neurological
Surgeons



American
Association of
Neurological
Surgeons

The Pain Section 2020 Annual Meeting is jointly provided by the Congress of Neurological Surgeons and the AANS/CNS Section on Pain

Advance Registration Deadline: Friday, February 7, 2020

cns.org/pain

MEETING SCHEDULE*

THURSDAY, MARCH 5, 2020

11:00 am–5:30 pm
Registration

1:30–5:30 pm
**SPECIAL COURSE 3
Challenges in the Surgical
Treatment of Pain**

(Combined with Spine Summit)
Course Directors: Steven M. Falowski, Line G. Jacques, Mark A. Mahan, Jason M. Schwalb, William S. Rosenberg
Speakers: Allan J. Belzberg, Nicholas M. Boulis, Justin M. Brown, Jonathan Miller, Zaman Mirzadeh, Konstantin V. Slavin, Robert J. Spinner, Jennifer A. Sweet, Christopher J. Winfree

Course Description: This course will explore the diverse surgical options for treatment of pain including decompression; neurologic reconstruction; ablative and stimulation procedures, including up-to-date research findings on clinical evaluation, patient reported outcomes, procedural options and outcomes. New and emerging technologies will be discussed, including the rational use and expectations of developing therapies, especially for the non-narcotic treatment of pain.

1:30–1:35 pm
Introduction

Mark A. Mahan, William S. Rosenberg

1:36–1:50 pm
**Reconstruction for Pain: New Surgical
Treatments for Neuromas**

Mark A. Mahan
1:51–2:05 pm
Ablative Surgery: DREZotomy, Cordotomy

William S. Rosenberg
2:06–2:20 pm
**Decompression Surgery: Can it Work for
Pain?**

Allan J. Belzberg
2:21–2:35 pm
**Medical Management: Non-narcotic
Regimens**

Christopher J. Winfree
2:36–2:50 pm
**Pre-operative Decisions: How to Manage
the Psychiatric Difficulties**

Jennifer A. Sweet
2:51–3:20 pm
Panel Discussion

Justin M. Brown, Nicholas M. Boulis, Robert J. Spinner

3:20–3:35 pm
Break

3:36–3:50 pm
**Dorsal Root Ganglion Stimulation: When
to Use**

Line G. Jacques
3:51–4:05 pm
**Epidural Stimulation: Update on
Waveforms**

Jeffrey E. Arle
4:06–4:20 pm
**Peripheral Nerve Stimulation: Is it
Successful**

Konstantin V. Slavin
4:21–4:35 pm
**Intrathecal Pumps: Who is the Right
Patient**

Zaman Mirzadeh
4:36–4:50 pm
**Integrating Pain Treatments into your
Spine Practice**

Steven M. Falowski
4:51–5:20 pm
Panel Discussion

Steven M. Falowski, Jonathan Miller, Jason M. Schwalb

MEETING SCHEDULE* *(continued)*

5:21–5:30 pm
Questions and Conclusion

6:30–8:30 pm
OPENING RECEPTION

(Combined with Spine Summit)
Attend an unforgettable evening with dazzling Cirque-style entertainment, classic rock and roll music, and more, as we bring the best of Las Vegas entertainment straight to you.

FRIDAY, MARCH 6, 2020

6:30 am–6:30 pm
Registration

6:45–7:45 am
Sponsored Breakfast Symposium

7:45–8:00 am
Opening Remarks

Steven M. Falowski, William S. Rosenberg
8:01–8:22 am
Resurgence of Ablative Procedures

Zaman Mirzadeh
8:23–8:45 am
**Non-Invasive and Wearable
Neuromodulation**

Peter Konrad
8:46–9:08 am
**The Breakdown of Current
Neuromodulation Devices**

Vishad V. Sukul
9:09–9:30 am
**Elucidating Mechanisms of Action with
New Technology**

Steven M. Falowski
9:30–10:15 am
Beverage Break in the Exhibit Hall

**SCIENTIFIC SESSION II
Practice Management**

10:16–10:41 am
Integration into Your Practice

William S. Rosenberg
10:42–11:07 am
Decompression versus Neuromodulation

Joshua M. Rosenow
11:08–11:33 am
**Neuromodulation Options: DRG/SCS/
PNS/PENS**

Jeffrey E. Arle
11:34 am–12:00 pm
**Minimally Invasive Spinal Procedures
(Kypho/VB Ablation/Interspacers)**

Erika A. Petersen
12:00–1:00 pm
Sponsored Lunch Symposium

**SCIENTIFIC SESSION III
Facial Pain**

1:01–1:22 pm
Classification

Sharona Ben-Haim

1:23–1:44 pm
**Deep Brain and Intracranial Stimulation
for Facial Pain**

Sean J. Nagel
1:45–2:06 pm
**Peripheral Nerve Stimulation for
Facial Pain**

Chengyuan Wu
2:07–2:30 pm
**Is Rhizotomy First Line Treatment for
Facial Pain?**

Ahmed M.T. Raslan
2:30–3:15 pm
Beverage Break in the Exhibit Hall

**SCIENTIFIC SESSION IV
Challenging Cases**

3:16–3:34 pm
Pump versus SCS for Opioid Reduction

Jason M. Schwalb
3:35–3:53 pm
**The Use of Intraoperative
Neuromonitoring for SCS**

Antonios Mammis
3:54–4:12 pm
**Loss of Efficacy—How Do We Salvage
Failing Neuromodulation?**

Alon Y. Mogilner
4:13–4:30 pm
Panel Discussion

Ellen L. Air
4:30–6:30 pm
**BEER AND WINE HAPPY HOUR DEBATES:
ORTHOPEDICS VERSUS NEUROSURGERY**

(Combined with Spine Summit)
Moderators: Domagoj Coric, Luis M. Tumialán
Orthopedic Speakers: Neel Anand, Hyun Bae, Rolando Garcia, K. Daniel Riew, Alexander R. Vaccaro

Neurosurgery Speakers: Zoher Ghogawala, James S. Harrop, Daniel K. Resnick, Christopher I. Shaffrey, Juan S. Uribe, Michael Y. Wang

4:30–5:00 pm
**TOPIC 1: MIS for Deformity is Feasible,
Cost Effective and Sustainable**

4:30–4:38 pm
**PRO: Minimally Invasive Deformity
Results in a Lower Incidence of PJK**

Neel Anand
4:39–4:47 pm
**CON: MIS Deformity Surgery Under
Corrects and Under Treats the Deformity**

Christopher I. Shaffrey
4:48 pm–4:53 pm
**Summary of Points Made by the Debaters
and Questions from the Audience**

Sigurd Berven
4:54–4:56 pm
PRO: Rebuttal

Neel Anand

4:57–4:59 pm
CON: Rebuttal

Christopher I. Shaffrey
5:00–5:30 pm
**TOPIC 2: 21st Century Rounds for a 21st
Century Surgeon**

5:00–5:08 pm
**PRO: Virtual Rounding on Spine
Patients Improves Patient Care and
Patient Experience**

Alexander R. Vaccaro
5:09–5:17 pm
**CON: Technology Will Only Take You
so Far. Be a Doctor, Round on Your
Patients in Person**

James S. Harrop
5:18–5:23 pm
**Summary of Points Made by the Debaters
and Questions from the Audience**

Zoher Ghogawala
5:24–5:26 pm
PRO: Rebuttal

Alexander R. Vaccaro
5:27–5:29 pm
Con: Rebuttal

James S. Harrop
5:30–6:00 pm
**TOPIC 3: Preservation of Motion at the
Lumbosacral Junction is a Good Thing**

5:30–5:38 pm
**PRO: Lumbar Arthroplasty is Alive and
Well and Underutilized**

Rolando Garcia
5:39–5:47 pm
**CON: Fusion of the Lumbosacral Spine is
Part of the Natural Aging Process, Just
Fuse It**

Juan S. Uribe
5:48–5:53 pm
**Summary of Points Made by the Debaters
and Questions from the Audience**

Hyun Bae
5:54–5:56 pm
PRO: Rebuttal

Rolando Garcia
5:57–5:59 pm
CON: Rebuttal

Juan S. Uribe
6:00–6:30 pm
**TOPIC 4: Spine Surgery Should Be Its
Own Specialty**

6:00–6:08 pm
**PRO: Merge Orthopedic Spine and
Neurosurgery Spine into One Spine**

K. Daniel Riew
6:09–6:17 pm
**CON: Neurosurgery and Orthopedic
Surgery Are Better Off As They Are:
Separate**

Michael Y. Wang

6:18–6:23 pm
**Summary of Points Made by the Debaters
and Questions from the Audience**

Daniel K. Resnick
6:24–6:26 pm
PRO: Rebuttal

Michael Riew
6:27–6:29 pm
CON: Rebuttal

Michael Y. Wang
6:30 pm
Debates Conclude

SATURDAY, MARCH 7, 2020

(Combined with Spine Summit)
6:30 am–5:30 pm
Registration

6:30–7:30 am
Continental Breakfast

**Spine Summit Scientific Session 4:
Opioids and Spine Surgery**

8:00–9:30 am
Moderators: Praveen V. Mummaneni, Gerald E. Rodts
Speakers: Steven M. Falowski, Richard G. Fessler, Jean-Pierre Mobasser, Jennifer A. Sweet, Michael Y. Wang

8:00–8:10 am
**Strategies for Spine Surgery Without
Opioids**

Jean-Pierre Mobasser
8:11–8:15 am
Discussion

8:16–8:26 am
**ERAS and the Impact it has on Opioid Use
in Spine Surgery**

Michael Y. Wang
8:27–8:32 am
Discussion

8:33–8:36 am
Introduction of the Pain Section Address

Jennifer A. Sweet
8:37–8:52 am
Pain Section Chair's Address

Steven M. Falowski *(Presented on Behalf of William S. Rosenberg)*
8:53–8:56 am
**Introduction of Guest Speaker Travis
Rieder**

Richard G. Fessler
8:57–9:27 am
**America's Opioid Dilemma: Responsible
Pain Medicine During an Epidemic**

Travis N. Rieder
9:28–9:30 am
Discussion and Session Summary

9:30–10:15 am
**Beverage Break and What's New Session
in the Exhibit Hall**

10:15 am–12:15 pm
CAHILL CONTROVERSIES

(Combined with Spine Summit)
Moderators: Ziya L. Gokaslan, Robert F. Heary
Speakers: Edward C. Benzel, Mark H. Bilsky, Joseph S. Cheng, Domagoj Coric, Ziya L. Gokaslan, R. John Hurlbert, Bradley Jacobs, Adam S. Kanter, Praveen V. Mummaneni, Laurence D. Rhines, Gerald E. Rodts, Joshua M. Rosenow

10:15–10:45 am
**Topic 1: Spinal Surgery is Superior in
Canada Compared to the United States**

10:15–10:22 am
**PRO: Canadians Manage Spine Care
Better in a Single Payer System**

Bradley Jacobs
10:23–10:30 am
**CON: The U.S. Healthcare System
Fosters Competition, Competition
Offers Innovation**

Joseph S. Cheng
10:31–10:36 am
**Summary of Points Made by the
Debaters and Questions from the
Audience**

Laurence D. Rhines
10:37–10:39 am
CON: Rebuttal

Bradley Jacobs
10:40–10:42 am
CON: Rebuttal

Joseph S. Cheng
10:43–10:44 am
Vote and Summary

10:45–11:15 am
**Topic 2: The Data Is Unequivocal: A
Posterior Approach at L4–5 has Less
Risk and Better Outcomes than a Lateral
Approach**

10:45–10:52 am
**PRO: The Decade of the Transpoas Is
Over and the Decade of the MIS TLIF
Has Just Begun**

Praveen V. Mummaneni
10:53–11:00 am
**CON: The Decade of the Transpoas
Continues: The Data and the Lessons
Learned**

Adam S. Kanter
11:01–11:06 am
**Summary of Points Made by the
Debaters and Questions from the
Audience**

Edward C. Benzel
11:07–11:09 am
PRO: Rebuttal

Praveen V. Mummaneni
11:10–11:12 am
CON: Rebuttal

Adam S. Kanter
11:13–11:15 am
Vote and Summary

11:15–11:45 am
**Topic 3: Thermal Ablation of Spinal
Tumors**

11:15–11:22 am
**PRO: Newer Technology Promises to
Decrease the Need for Surgery**

Laurence D. Rhines
11:23–11:30 am
**CON: Definitive Intervention Once and
For All is Better for the Patient**

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Vote and Summary

11:45 am–12:15 pm
**Topic 4: Spinal Cord Stimulation versus
Further Surgery**

11:45–11:52 am
**PRO: Addressing the Underlying
Structural Issue Will Help the Patient
the Most**

Gerald E. Rodts
11:53 am–12:00 pm
**CON: Enough Surgery, Spinal Cord
Stimulation Offers the Greatest Relief
at the Lowest Risk**

Joshua M. Rosenow
12:01–12:06 pm
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Vote and Summary

12:13–12:15 pm
Vote and Summary

Register
for the
Spine
Summit
and Pain
Annual
Meeting to
save \$200!

MEETING PURPOSE

The purpose of the Joint Section on Pain 2020 Annual Meeting is to provide continuing medical education to neurosurgeons, orthopedic surgeons, pain physicians, fellows, residents, physician extenders, and nurse clinicians involved in the practice of surgery for pain, including spine and peripheral nerve surgery. Education is provided in the form of didactic lectures, case presentations and debates, exhibits presenting the newest instruments and techniques, and oral and digital poster presentations providing the latest information regarding clinical advances in surgery for pain.

LEARNING OBJECTIVES

Upon completion of this meeting, participants will be able to:

- Adapt one or more pain management/neuromodulation therapies into your spine practice
- Identify strategies to help build your pain practice
- Explain the principles behind patient selection for neuromodulation
- Apply current research and understand new novel therapies within neuromodulation

ACCREDITATION STATEMENT

The Congress of Neurological Surgeons is accredited by the Accreditation Council of Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

AMA PRA Category 1 Credits™ Designation Statement

The Congress of Neurological Surgeons designates this live activity for a maximum of 11 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.