

# The Society of Neurological Surgeons 2024 Annual Meeting



PRELIMINARY PROGRAM

– NEW YORK –  
**NEW YORK**  
MAY 18-20, 2024



**ADVANCE REGISTRATION DEADLINE: APRIL 10**

Jointly provided by the Congress of Neurological Surgeons



Congress of  
Neurological  
Surgeons



# The Society of Neurological Surgeons

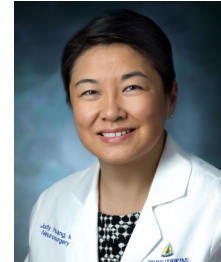
JOIN US FOR THE 115TH ANNUAL MEETING  
– MAY 18-20, 2024 –



E. Antonio Chiocca, MD, PhD  
*President*



Nathan R. Selden, MD, PhD  
*President Elect*



Judy Huang, MD  
*Vice President*



Gregory J. Zipfel, MD  
*Secretary*



Linda M. Liau, MD, PhD, MBA  
*Treasurer*



David D. Limbrick Jr., MD, PhD  
*Program Chair*



Philip E. Stieg, MD, PhD  
*Local Host*



Michael G. Kaplitt, MD, PhD  
*Local Host*

**HOSTED BY:**

University of Weill Cornell Medicine  
*Department of Neurosurgery*

## SNS MISSION/PROGRAM PURPOSE

The Society of Neurological Surgeons holds as its principal mission:

*To advance the quality of care of neurosurgical patients by promoting excellence in education and research.*

The Society fulfills its mission by pursuing the following goals:

- Continue development of the field of neurological surgery, including graduate and postgraduate education.
- Bestow recognition upon persons of outstanding ability and excellence in their work and teaching. Such recognition is bestowed by appointment to membership or by appearance on the program at appropriate times.
- Enhance the role and stature of neurosurgical units in academic medical centers.
- Ensure that patients with nervous system disease receive the highest quality care.
- Encourage and support research in neuroscience.

At the conclusion of the 2024 SNS Annual Meeting, participants will be able to:

- Evaluate challenges and opportunities to overcome threats to professionalism including unconscious bias, harassment, toxic culture, and deficient ethics.
- Analyze strategies to promote prosperity of an academic medical center.
- Implement strategies to improve resident selection and subsequently to promote effective performance evaluation and delivery of feedback.
- Implement novel methods including digital medicine, health outcomes data, virtual reality, augmented reality, and simulation to improve neurosurgical patient care and neurosurgical education.

This live meeting, titled *Forthcoming Disruptions in Education: Opportunities and Challenges*, will include lectures by renowned specialists and invited speakers, workshops, panel discussions, and opportunities for questions and answers. Attending neurosurgeons and program directors involved in neurosurgical residency training and graduate medical education are the intended audience for this program.

### ACCREDITATION STATEMENT



This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Congress of Neurological Surgeons and the Society of Neurological Surgeons. The Congress of Neurological Surgeons is accredited by the 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 14.5 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

## MEETING AGENDA

### SATURDAY, MAY 18, 2024

7:00 am	Buses to depart from the New York Hilton Midtown to Griffis Faculty Club at New York Weill Cornell Medical Center
7:30-8:15 am	<b>BREAKFAST</b> <i>Dining Room, Griffis Faculty Club</i>
7:30 am-3:00 pm	<b>REGISTRATION</b> <i>ZRC Lobby, Mortimer B. Zuckerman Research Center</i>
8:30 am-12:00 pm	<b>SESSION 1: Disruptions in Residency Advocacy and Training and Residency Program Administrator Award</b> <b>MODERATORS:</b> Aviva Abosch, MD, PhD <i>ZRC Auditorium, Mortimer B. Zuckerman Research Center</i>
8:30-8:40 am	<b>Welcome and Opening Remarks</b> E. Antonio Chiocca, MD, PhD
8:40-9:00 am	<b>Union Organizing &amp; Collective Bargaining: Implications for Medical Training</b> Shannon Buffum
9:00-9:10 am	<b>Unionization: Structured Support and Advocacy for Neurosurgical Trainees</b> Michael Lim, MD
9:10-9:20 am	<b>Unionization of Trainees &amp; Staff: Challenges in the Training Environment</b>
9:20-9:40 am	<b>Panel Discussion and Q&amp;A</b>
9:40-9:50 am	<b>Impact of Enfolded Fellowships on Training/CAST Structure and Timing of Fellowships</b> Steven L. Giannotta, MD
9:50-10:00 am	<b>Q&amp;A</b>
10:00-10:30 am	<b>BREAK</b>
10:30-10:40 am	<b>ACGME Update</b> Robert E. Harbaugh, MD
10:40-10:55 am	<b>RRC Overview/Common Citations and Approaches to Address Them</b> Robert E. Harbaugh, MD
10:55-11:00 am	<b>Program Director Patient Safety and Quality (PDPO) Educators Network</b> Cormac O. Maher, MD

## MEETING AGENDA

**SATURDAY, MAY 18, 2024** – *continued*

11:00-11:10 am	<b>CAST Update</b> Vincent C. Traynelis, MD
11:10-11:20 am	<b>ABNS Update</b> Russell R. Lonser, MD
11:20-11:30 am	<b>Washington Committee Update</b> Krystal L. Tomei, MD
11:30-11:35 am	<b>Overview of Resident Courses</b> Nicholas C. Bambakidis, MD
11:35-11:45 am	<b>Resident Curriculum</b> Marjorie C. Wang, MD
11:45-11:50 am	<b>Resident Courses</b> Nicholas C. Bambakidis, MD
11:50-11:55 am	<b>RUNN Course Update</b> Linda M. Liau, MD, PhD, MBA
11:55 am-12:00 pm	<b>Residency Program Administrator Award</b> Kim J. Burchiel, MD; Gregory J. Zipfel, MD

12:00-1:00 pm **LUNCH**  
*Dining Room, Griffis Faculty Club*

1:15-3:50 pm **SESSION 2: Disruptions in Residency Learning Approaches, Distinguished Service Award, and Winn Prize Lecture**  
**MODERATORS:** Sepideh Amin-Hanjani, MD; Nader Pouratian, MD, PhD  
*ZRC Auditorium, Mortimer B. Zuckerman Research Center*

1:15-1:25 pm	<b>SNS Neurosurgeon-Scientist Training Program (NSTP)</b> Constantinos G. Hadjipanayis, MD, PhD
1:25-1:35 pm	<b>K12 Neurosurgeon Research Career Development Program (NRCDP)</b> Gregory J. Zipfel, MD
1:35-1:45 pm	<b>Integration of APPs in the Training Environment, Relationships with Residents</b> Ibrahim Hussain, MD
1:45-1:55 pm	<b>Surgical Simulation and Skills Lab Offset Reduction in Work Hours</b> Antonio Bernardo, MD
1:55-2:05 pm	<b>Building a Comprehensive Q&amp;S Program</b> Christina M. Sayama, MD
2:05-2:15 pm	<b>Q&amp;A</b>

## MEETING AGENDA

**SATURDAY, MAY 18, 2024** – *continued*

2:15-2:45 pm	<b>BREAK</b>
2:45-2:50 pm	Distinguished Service Award Introduction
2:50-3:00 pm	Distinguished Service Award Acceptance Deborah L. Benzil, MD
3:00-3:05 pm	Introduction of Winn Prize Lecturer
3:05-3:45 pm	Winn Prize Lecture Linda M. Liau, MD, PhD, MBA
3:45-3:50 pm	Q&A
4:00 pm	Buses to depart from the Mortimer B. Zuckerman Research Center - Sloan Kettering Institute to New York Hilton Midtown
4:30-6:00 pm	<b>SNS COMMITTEE MEETINGS</b> <ul style="list-style-type: none"><li>• CAST Committee Meeting</li><li>• CoRE and Resident Courses Committee</li><li>• Medical Student Committee</li><li>• Research Committee Meeting</li></ul>
6:00-8:00 pm	<b>WELCOME RECEPTION</b> Mercury Ballroom, New York Hilton Midtown <i>See page 12 for more information</i>



## MEETING AGENDA

### SUNDAY, MAY 19, 2024

7:00 am	Buses to depart from the New York Hilton Midtown to Griffis Faculty Club at New York Weill Cornell Medical Center
7:30-8:15 am	<b>BREAKFAST</b> <i>Dining Room, Griffis Faculty Club</i>
7:30 am-4:00 pm	<b>REGISTRATION</b> <i>ZRC Lobby, Mortimer B. Zuckerman Research Center</i>
8:30 am-12:30 pm	<b>SESSION 3: Weill Cornell Medicine Program, Keynote Speech, and Presidential Address</b> <b>MODERATORS:</b> Mark D. Krieger, MD; Mark R. Proctor, MD <i>ZRC Auditorium, Mortimer B. Zuckerman Research Center</i>
8:30-8:45 am	Host Program Video
8:45-9:05 am	<b>Building an Academic Neurosurgery Network from the Ground Up</b> Philip E. Stieg, MD, PhD
9:05-9:10 am	Q&A
9:10-9:30 am	<b>Building a Neurosurgical Research and Innovation Platform</b> Michael G. Kaplitt, MD, PhD
9:30-9:35 am	Q&A
9:35-9:55 am	<b>Building a Collaborative Inter-Institutional Pediatric Neurosurgery Program</b> Mark M. Souweidane, MD
9:55-10:00 am	Q&A
10:00-10:20 am	<b>Building a Multi-Disciplinary Academic Spine Center</b> Roger Hartl, MD
10:20-10:30 am	Q&A
10:30-11:00 am	<b>BREAK</b>
11:00-11:05 am	<b>Keynote Speech Introduction</b> Michael G. Kaplitt, MD, PhD
11:05-11:35 am	<b>Keynote Speech: Fireside Chat with John Waldron</b>
11:35-11:45 am	Q&A

## MEETING AGENDA

**SUNDAY, MAY 19, 2024** – *continued*

11:45-11:50 am **Introduction of President E. Antonio Chiocca**  
Mark R. Proctor, MD

11:50 am-12:25 pm **Presidential Address**  
E. Antonio Chiocca, MD, PhD

12:25-12:30 pm **Passing of the Gavel**  
E. Antonio Chiocca, MD, PhD

12:30-1:30 pm **LUNCH**  
*Dining Room, Griffis Faculty Club*

1:45-4:45 pm **SESSION 4: Disruptions in Resident Recruitment**  
**MODERATORS:** Judy Huang, MD; Mark D. Johnson, MD, PhD  
*ZRC Auditorium, Mortimer B. Zuckerman Research Center*

1:45-1:55 pm **Strategies and Bias in Video Interviews**  
Josiah N. Orina, MD

1:55-2:05 pm **The Evolution of Letters of Support: Progress?**  
Jason Heth, MD

2:05-2:15 pm **Publication Value Unit (PVU) to Address to Publication Arms Race**  
Christian A. Bowers, MD

2:15-2:25 pm **Panel Discussion and Q&A**

2:25-2:45 pm **SNS Signaling Committee Update: Accumulating Experience and Direction Forward**  
Stacey Q. Wolfe, MD

2:45-2:55 pm **Applicant "Letters of Intent"**  
Lola B. Chambless, MD

2:55-3:05 pm **Panel Discussion and Q&A**

3:05-3:35 pm **BREAK**

3:35-3:40 pm **Introduction of History Lecture**  
Kim J. Burchiel, MD

3:40-4:10 pm **History of Spine as a Neurosurgical Discipline and Training Going Forward**  
Mark N. Hadley, MD



## MEETING AGENDA

**SUNDAY, MAY 19, 2024** – *continued*

4:10-4:18 pm Abstract/Medical Education Session

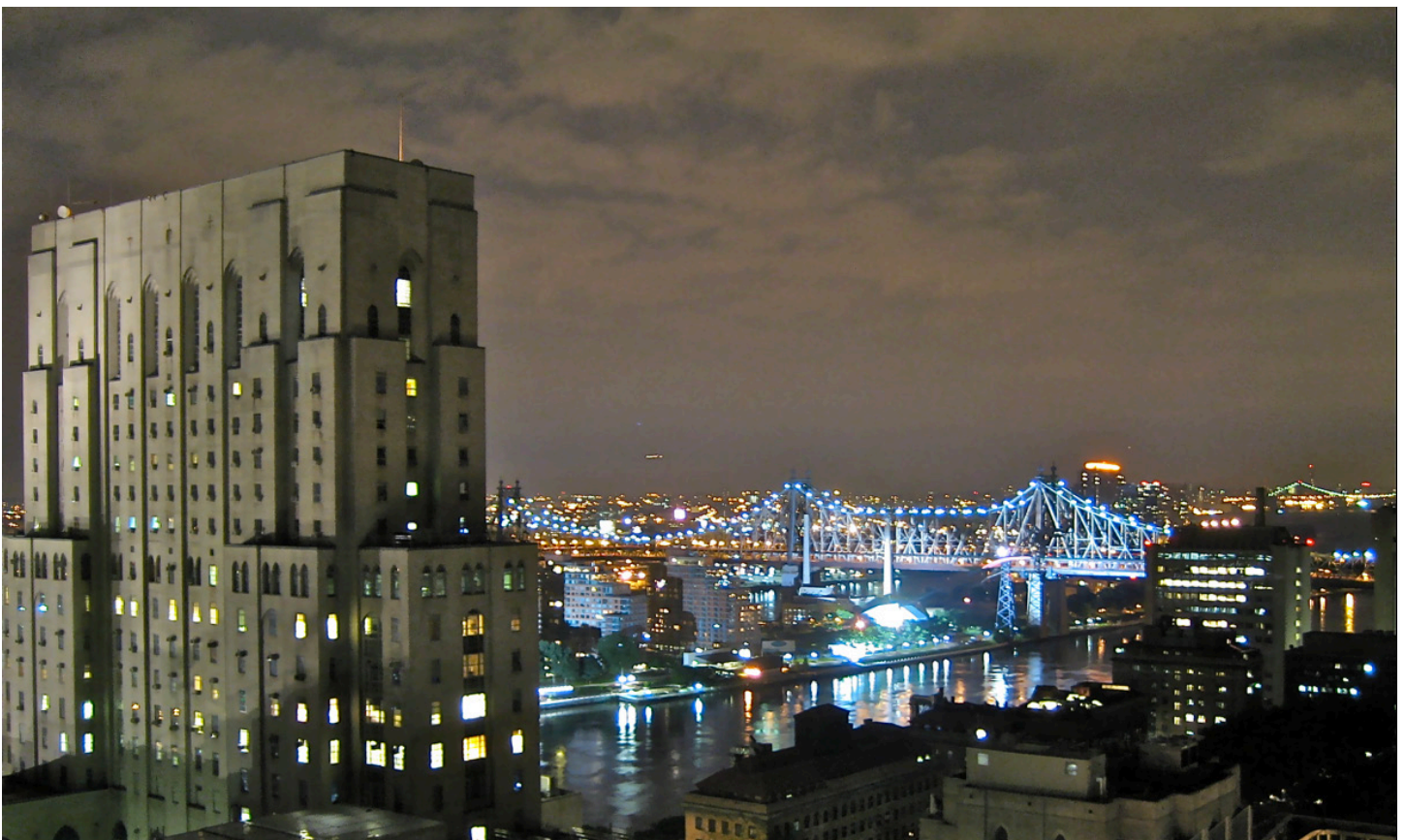
4:18-4:26 pm Abstract/Medical Education Session

4:26-4:34 pm Abstract/Medical Education Session

4:34-4:45 pm Q&A

4:50 pm Buses to depart from the Mortimer B. Zuckerman Research Center - Sloan Kettering Institute to New York Hilton Midtown

7:00-9:30 pm **GALA DINNER**  
Trianon Complex, New York Hilton Midtown  
*See page 12 for more information*



## MEETING AGENDA

### MONDAY, MAY 20, 2024

7:00 am	Buses to depart from the New York Hilton Midtown for Members Only Annual Business Meeting at the Mortimer B. Zuckerman Research Center - Sloan Kettering Institute to New York Hilton Midtown
7:30 am-1:00 pm	<b>REGISTRATION</b> <i>ZRC Lobby, Mortimer B. Zuckerman Research Center</i>
7:30-8:30 am	<b>ANNUAL BUSINESS MEETING - MEMBERS ONLY</b> <i>ZRC Auditorium, Mortimer B. Zuckerman Research Center</i>
8:00 am	Buses to depart from the New York Hilton Midtown for Non-Members to Griffis Faculty Club at New York Weill Cornell Medical Center
8:30-9:15 am	<b>BREAKFAST</b> <i>Dining Room, Griffis Faculty Club</i>
9:30 - 11:45 am	<b>SESSION 5: Challenges in Training, Grossman Award Lecture, and Medical Student Award</b> <b>MODERATORS:</b> Wenya Linda Bi, MD, PhD; Jonathan P. Miller, MD <i>ZRC Auditorium, Mortimer B. Zuckerman Research Center</i>
9:30-9:35 am	<b>Introduction of Grossman Award Lecture</b> Philip E. Stieg, MD, PhD
9:35-10:05 am	<b>Grossman Award Lecture</b> Richard P. Lifton, MD, PhD
10:05-10:15 am	<b>Q&amp;A</b>
10:15-10:20 am	<b>Introduction of Medical Student Teaching Award</b>
10:20-10:30 am	<b>Medical Student Teaching Award Acceptance</b>
10:30-10:40 am	<b>Translating Resident Feedback and Survey Findings to Improve the System</b> Jeffrey P. Greenfield, MD, PhD
10:40-10:50 am	<b>Supporting Family Leave in Residency: Small and Large Programs</b> Sharona Ben-Haim, MD
10:50-11:00 am	<b>Addressing Harassment in Neurosurgical Training</b> Deborah L. Benzil, MD
11:00-11:10 am	<b>Mentoring Across Differences</b>
11:10-11:20 am	<b>Panel Discussion and Q&amp;A</b>

## MEETING AGENDA

### MONDAY, MAY 20, 2024 – *continued*

- 11:20-11:30 am Teaching Residents to Design and Run Clinical Trials  
Frederick G. Barker, MD
- 11:30-11:40 am Managing and Learning from Unexpected Catastrophe in a Department  
Nathan R. Selden, MD, PhD
- 11:40-11:45 am Panel Discussion and Q&A

11:45 am-12:30 pm **LUNCH**  
*Dining Room, Griffis Faculty Club*

12:45-2:00 pm **SESSION 6: AI and Other Disruptive Technologies in Neurosurgical Training**  
**MODERATORS:** Randy L. Jensen, MD; Marjorie C. Wang, MD  
*ZRC Auditorium, Mortimer B. Zuckerman Research Center*

- 12:45-12:50 pm Introduction of David C. Rhew, MD  
Philip E. Stieg, MD, PhD
- 12:50-1:10 pm Expanding Applications of AI in Healthcare  
David C. Rhew, MD
- 1:10-1:20 pm Q&A

- 1:20-1:30 pm Update: SNS Task Force on AI  
Omar Arnaout, MD
- 1:30-1:40 pm Integration of AI into Clinical Neurosurgery and Impact on Resident Learning  
Richard W. Byrne, MD
- 1:40-1:50 pm Augmented Reality: Clinical Use and Implications for Residency Training  
Camilo A. Molina, MD
- 1:50-2:00 pm Panel Discussion and Q&A

2:05 pm Buses to depart from the Mortimer B. Zuckerman Research Center - Sloan Kettering Institute to New York Hilton Midtown

## GENERAL INFORMATION

### WHAT IS INCLUDED IN THE REGISTRATION FEE?

- Daily Breakfasts, Lunches, and Beverage Breaks
- Daily Scientific Sessions
- Saturday Opening Reception
- Sunday Gala Dinner

### ADVANCE REGISTRATION

To register, please visit [www.societyofneurosurgeons.org/2024-annual-meeting](http://www.societyofneurosurgeons.org/2024-annual-meeting) and use your login information to proceed. Member and physician guest advance rate registration: \$1,800; spouse/significant other advance rate registration: \$500. Members may register up to three physician guests.

### MEETING LOCATIONS

This year, the SNS Annual Meeting will be held at multiple venues.

- **Headquarter Hotel:** New York Hilton Midtown - 1335 6th Ave, New York, NY 10019
- **General Session and Registration:** Mortimer B. Zuckerman Research Center - Sloan Kettering Institute - 417 E 68th St, New York, NY 10065
- **Breakfast & Lunch:** Griffis Faculty Club - 521 E 68th St, New York, NY 10065

### WELCOME RECEPTION

The Welcome Reception will take place on Saturday, May 18 from 6:00-8:00 pm in the Mercury Ballroom at the New York Hilton Midtown. Enjoy cocktails and light hors d'oeuvres while networking with your colleagues. Attire: Business Casual.

### GALA DINNER

Join us for the SNS Gala Dinner on Sunday, May 19 from 7:00-9:30 pm in the Trianon Complex at the New York Hilton Midtown. A plated dinner will be served. Attire: Black Tie Optional.

### REGISTRATION CANCELLATION/REFUND POLICY

A full registration refund will be granted if written requests for cancellation are received by April 10, 2024. Cancellation requests received between April 11 and April 24 will receive a 50% refund. No refunds of any kind will be given after April 24, regardless of cause. Refunds will not be given for no-shows. Written request must be emailed to the SNS Office at [sns@cns.org](mailto:sns@cns.org).

### ONSITE REGISTRATION HOURS

Registration on Saturday, Sunday and Monday will take place in the ZRC Lobby at the Mortimer B. Zuckerman Research Center - Sloan Kettering Institute.

<b>Saturday, May 18</b>	<b>7:30 am-3:00 pm</b>
<b>Sunday, May 19</b>	<b>7:30 am-4:00 pm</b>
<b>Monday, May 20</b>	<b>7:30 am-1:00 pm</b>

### WEILL CORNELL MEDICINE



On Sunday, May 19, morning programming will be provided by the Weill Cornell Medicine in the ZRC Auditorium at the Mortimer B. Zuckerman Research Center - Sloan Kettering Institute.

### AMERICANS WITH DISABILITIES ACT/SPECIAL NEEDS AND REQUESTS

The Society of Neurological Surgeons 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 2024 SNS Annual Meeting.

Your requirements should be sent directly to the Society of Neurological Surgeons by emailing [sns@cns.org](mailto:sns@cns.org) or by calling 847-805-4515. Please provide any requests at least 30 days prior to the SNS Annual Meeting to guarantee accommodation.

### NO-SMOKING POLICY

Smoking is not permitted at any official SNS Annual Meeting events.

# GENERAL INFORMATION



### HOTEL ACCOMMODATIONS

#### New York Hilton Midtown

1335 6th Ave  
 New York, NY 10019  
 (212) 586-7000

The New York Hilton Midtown offers elegant guestrooms and suites that overlook the bustle of midtown and Manhattan’s iconic skyline.

### HOTEL RESERVATION INFORMATION AND DEADLINES

Reservations at the New York Hilton Midtown can be made online at: <https://book.passkey.com/event/50593641/owner/6708/home>

A credit card will be required at the time of your reservation. Each reservation requires a deposit equal to one night’s room and tax. If making reservations on the phone, please reference the 2024 SNS Annual Meeting and provide the group code: SON to receive the discounted group rate.

The SNS Group Rate is only available until the cutoff date of Friday, April 26, 2024. The SNS cannot guarantee the availability of this rate after the cutoff date.

### HOTEL ROOM RATES\*

1 Queen Urban Guest Room \$299.00	<b>SOLD OUT</b>	2 Doubles City Guest Room \$299.00
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\*The above rates exclude applicable state and local taxes. A small portion of your room rate will be used to help defray the cost of registration and housing services.

### HOTEL CANCELLATION POLICY

The hotel will refund your room deposit before 72 hours in advance of your reservation. Within 72 hours of your reservation, (1) night’s room and tax are no longer refundable. Please contact the hotel directly to cancel.

### AMENITIES

Discover thoughtful amenities in the heart of New York City. With the largest hotel fitness center in Midtown Manhattan, guests can easily continue their fitness regime as they travel. Explore our executive lounge, restaurants, bars, sundries store, and salon all located on the lobby level.

### TRANSPORTATION TO THE HOTEL

- The New York Hilton Midtown is located 11 miles from LaGuardia Airport (LGA).
  - An Uber or Lyft ride costs an average of \$62 one way, and a taxi ride costs approximately \$50 each way.
- The New York Hilton Midtown is located 15 miles from John F. Kennedy International Airport (JFK).
  - An Uber or Lyft ride costs an average of \$82 one way, and a taxi ride costs approximately \$95 each way.

### AIRLINE DISCOUNTS

The SNS is pleased to offer discounts with the following airlines. Discount codes can only be used when booking through each airline’s website.



**Delta Air Lines**  
 May 10 - 27, 2024  
 Code: **NY3AK**



**United Airlines:**  
 May 15 - 22, 2024  
 Code: **ZPM6904109**



## GENERAL INFORMATION



### EVALUATIONS

The evaluation process is a key component in providing cutting-edge programming at the 2024 SNS 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!

### CME Credit and Certificate of Attendance

CME credits can be claimed through the online system at <https://www.societyns.org/2024-annual-meeting>. The CNS CME tracking system allows you to claim CME credit or Certificate of Attendance hours for the meeting. All attendees should only claim credit or hours of attendance commensurate with the extent of their participation in the activity.

Upon completion, your CME certificate will be immediately available to print from the convenience of your home or office.

### Disclosures

The Accreditation Council for Continuing Medical Education (ACCME) Standards for Integrity and Independence in Accredited Continuing Education requires that anyone in a position to control the content of the educational activity disclose all financial relationships with any ACCME-defined Ineligible Company\*. As the accredited provider, the Congress of Neurological Surgeons (CNS) is responsible for identifying relevant financial relationships between individuals in control of educational content and ineligible companies and managing these to

ensure they do not introduce commercial bias into the education. Failure or refusal to disclose or the inability to satisfactorily resolve the identified conflict may result in the withdrawal of the invitation to participate in any of the CNS educational activities.

***\*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.***

A list of financial disclosures relevant to the meeting will be posted before the meeting on the meeting's web page.

### FDA Statement

Some drugs or medical devices demonstrated at the Annual Meeting have not been cleared by the FDA or have been cleared by the FDA for specific purposes only. The FDA has stated that it is the physician's responsibility to determine the FDA clearance status of each drug or medical device they wish to use in clinical practice. The CNS policy provides that "off-label" uses of a drug or medical device may be described at the SNS Annual Meeting so long as the "off-label" use of the drug or medical device is also specifically disclosed.

Any drug or medical device is "off label" if the described use is not set forth on the product's approved label. It is also each speaker's responsibility to include the FDA clearance status of any device or drug requiring FDA approval discussed or described in their presentation or to describe the lack of FDA clearance for any "off-label" uses discussed.

The Society of Neurological Surgeons  
2023 Annual Meeting



The Society of  
Neurological Surgeons

## PRELIMINARY PROGRAM

# QUESTIONS?

**PLEASE CONTACT**

**Society of Neurological Surgeons**  
10 N. Martingale Road, Suite 190  
Schaumburg, IL 60173  
Phone: 847-805-4515  
[sns@cns.org](mailto:sns@cns.org)

Jointly provided by the Congress of Neurological Surgeons



Congress of  
Neurological  
Surgeons