

The Society of Neurological Surgeons 2025 Annual Meeting



SCIENTIFIC PROGRAM

Reimagining Professionalism

Cleveland
OHIO
MAY 16-18, 2025



HOSTED BY CLEVELAND CLINIC DEPARTMENT OF NEUROSURGERY

Jointly provided by the Congress of Neurological Surgeons



CNS



The Society of Neurological Surgeons

JOIN US FOR THE 116TH ANNUAL MEETING
– MAY 16-18, 2025 –



Nathan R. Selden, MD, PhD
President



Richard W. Byrne, MD
President Elect



Oren Sagher, MD
Vice President



Gregory J. Zipfel, MD
Secretary



Linda M. Liau, MD, PhD, MBA
Treasurer



Randy L. Jensen, MD, PhD
Program Chair



Michael P. Steinmetz, MD
Local Host



Deborah L. Benzil, MD
Local Host

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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:

- Streamline the process by which resident applicants are reviewed by understanding the latest data on the predictive value of the various components of the application.
- Recall the latest training program standards and trainee education opportunities and needs.
- Create novel programs to foster leadership and innovation.

At the conclusion of the 2025 SNS Annual Meeting, participants will be able to:

- Implement an effective strategy to screen applicants to the field of neurosurgery.
- Innovate programs to help develop resident trainees as educators during their time as residents to supplement the core objective of neurosurgery residency; learning neurosurgery knowledge and techniques.

REIMAGINING PROFESSIONALISM

This live meeting, titled *Reimagining Professionalism*, 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.

**Connect with the SNS and follow
us on X at @SNS_Neurosurg
#SNS2025**

SOCIETYNS.ORG/2025-ANNUAL-MEETING

CONTINUING MEDICAL EDUCATION

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 (CNS) and the Society of Neurological Surgeons. The CNS is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA Category 1 Credits™ Designation Statement

The CNS designates this live activity for a maximum of 18.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Evaluations

The evaluation process is a key component in providing cutting-edge programming at the 2025 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://societyofneurosurgeons.org/2025-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.

REGISTERED GUESTS

INVITED GUESTS*

GUEST'S HOST

Rebecca L. Achey, MD.....	<i>SNS Invited Speaker</i>
Badih Adada, MD.....	<i>SNS Invited Speaker</i>
Manish K. Aghi, MD, PhD.....	<i>Randy J. Jensen, MD, PhD</i>
Salah G. Aoun, MD.....	<i>Nader Pouratian, MD, PhD</i>
Robert W. Bina, MD.....	<i>Peter Nakaji, MD</i>
Bradley N. Bohnstedt, MD.....	<i>Michael Schulder, MD</i>
Nathaniel P. Brooks, MD.....	<i>Daniel K. Resnick, MD</i>
Andrew P. Carlson, MD.....	<i>Min S. Park, MD</i>
Hoon Choi, MD, PhD.....	<i>Deborah L. Benzil, MD</i>
Shakeel A. Chowdhry, MD.....	<i>Warren R. Selman, MD</i>
William O. Cooper, MD.....	<i>SNS Invited Speaker</i>
Jim Cotelingam.....	<i>SNS Invited Speaker</i>
Carlos A. David, MD.....	<i>Eldad J. Hadar, MD</i>
Rupen Desai, MD.....	<i>Nathan T. Zwagerman, MD</i>
David L. Dornbos III, MD.....	<i>Stacey Q. Wolfe, MD</i>
Robert D. Ecker, MD.....	<i>Chris J. Neal, MD,</i>
Sonia V. Eden, MD.....	<i>Nathan R. Selden, MD, PhD</i>
Pouya Entezami, MD.....	<i>Ghaus M. Malik, MD</i>
Andrew Fanous, MD.....	<i>James M. Ecklund, MD</i>
W. Christopher Fox, MD.....	<i>Richard W. Byrne, MD</i>
Itzhak Fried, MD, PhD.....	<i>SNS Invited Speaker</i>
Saniya S. Godil, MD.....	<i>Ajith J. Thomas, MD</i>
Kiarash Golshani, MD.....	<i>Nathan R. Selden, MD, PhD</i>
Kunal Gupta, MD, PhD.....	<i>Shelly D. Timmons, MD, PhD</i>
Ghaith Habboub, MD.....	<i>SNS Invited Speaker</i>
Daniel M. Hafez, MD, PhD.....	<i>Gregory J. Zipfel, MD</i>
Seunggu J. Han, MD.....	<i>SNS Invited Speaker</i>
Tom Henderson.....	<i>SNS Invited Speaker</i>
Justin D. Hilliard, MD.....	<i>Gregory J. Zipfel, MD</i>
David Huang, MD, PhD.....	<i>Nathan R. Selden, MD, PhD</i>
Peter J. Hutchinson, MBBS, PhD.....	<i>Nathan R. Selden, MD, PhD</i>
Megan M. Jack, MD, PhD.....	<i>SNS Invited Speaker</i>
Michael Karsy, MD, PhD.....	<i>Aditya S. Pandey, MD</i>
Joseph King Jr., MD.....	<i>Murat Gunel, MD</i>
Varun R. Kshetry, MD.....	<i>Gene H. Barnett, MD</i>

INVITED GUESTS*

GUEST'S HOST

Linda W. Bi, MD, PhD.....	<i>G. Rees Cosgrove, MD</i>
Francesco T. Mangano, DO.....	<i>Joseph S. Cheng, MD</i>
Anthony Martino, MD.....	<i>Bharat Guthikonda, MD, MBA</i>
Neena I. Marupudi, MD.....	<i>Karin M. Muraszko, MD</i>
Thomas Mattingly, MD.....	<i>Webster H. Pilcher, MD</i>
Katherine McDaniel, PhD.....	<i>Gerald A. Grant, MD</i>
Tomislav Mihaljevic, MD.....	<i>SNS Invited Speaker</i>
Nina Z. Moore, MD.....	<i>SNS Invited Speaker</i>
Adrienne Moraff, MD.....	<i>Perry A. Ball, MD</i>
Juan R. Ortega-Barnett, MD.....	<i>Nicholas M. Barbaro, MD</i>
Michelle Paff, MD.....	<i>Marvin Bergsneider, MD</i>
Ankur R. Patel, MD.....	<i>Nader Pouratian, MD, PhD</i>
Arpan A. Patel, MD.....	<i>SNS Invited Speaker</i>
Dominic Pelle, MD.....	<i>SNS Invited Speaker</i>
Paul Porensky, MD.....	<i>Gavin P. Dunn, MD, PhD</i>
Rabia Qaiser, MD.....	<i>Nicholas M. Barbaro, MD</i>
Patricia B. Raksin, MD.....	<i>Randy L. Jensen, MD, PhD</i>
Ali C. Ravanpay, MD, PhD.....	<i>Amy Lee, MD</i>
Pablo F. Recinos, MD.....	<i>Gene H. Barnett, MD</i>
G. Logan Rife, PhD.....	<i>SNS Invited Speaker</i>
Scellig S.D. Stone, MD, PhD.....	<i>Mark R. Proctor, MD</i>
Christina M. Sayama, MD.....	<i>Nathan R. Selden, MD, PhD</i>
Saman Shabani, MD.....	<i>Nathan T. Zwagerman, MD</i>
Berje H. Shammassian, MD.....	<i>Daniel Yoshor, MD</i>
Akshay Sharma, MD.....	<i>SNS Invited Speaker</i>
Edward R. Smith, MD.....	<i>Mark R. Proctor, MD</i>
Visish M. Srinivasan, MD.....	<i>H. Isaac Chen, MD</i>
James Stoller, MD.....	<i>SNS Invited Speaker</i>
Rosa Sun, MD.....	<i>Nathan R. Selden, MD, PhD</i>
Rahul Tendulkar, MD.....	<i>SNS Invited Speaker</i>
Jai D. Thakur, MD.....	<i>Bharat Guthikonda, MD, MBA</i>
Matthew Vestal, MD, MBA.....	<i>Perry A. Ball, MD</i>
Franz Welser-Möst.....	<i>SNS Invited Speaker</i>
Sarah Woodrow, MD.....	<i>SNS Invited Speaker</i>

**As of April 18, 2025

SCIENTIFIC AND SOCIAL PROGRAM

THURSDAY, MAY 15, 2025

Hotel Cleveland

4:00-6:00 pm

REGISTRATION

Grand Assembly

FRIDAY, MAY 16, 2025

Hotel Cleveland

7:00-8:00 am

BREAKFAST

Exhibit Hall

7:00 am-3:30 pm

REGISTRATION

Grand Assembly

8:00-9:40 am

SESSION 1: RESIDENCY

Grand Ballroom

MODERATORS: Randy L. Jensen, MD, PhD and Mark R. Proctor, MD

8:00-8:10 am

Welcome and Opening Remarks

Nathan R. Selden, MD, PhD

8:10-8:15 am

Residency Curricular Pathways: Audience Polling

Mark D. Johnson, MD, PhD

8:15-8:25 am

PGY-7: The Current Trends in Neurosurgical Training

Ricardo B. V. Fontes, MD, PhD

8:25-8:35 am

Considering a 6+1 Design: Optimal Planning and Adoption

Ricardo J. Komotar, MD

8:35-8:45 am

Considering a 6+1 Design: Strategies for Surgeon Scientists

Manish K. Aghi, MD, PhD

8:45-8:55 am

Panel Discussion and Questions

8:55-9:05 am

Medical Student Professionalism: Adhering to SNS Application and Interview Guidelines

Lola B. Chambless, MD

9:05-9:15 am

Residency Review Committee Makeover

Richard G. Ellenbogen, MD

9:15-9:25 am

RC Overview: Changes to Program Review Process

Kristen Ward Hirsch, MBA

9:25-9:30 am

Panel Discussion and Questions

9:30-9:35 am

Distinguished Service Award Introduction

Warren R. Selman, MD

9:35-9:40 am

Distinguished Service Award

Daniel L. Barrow, MD

SCIENTIFIC AND SOCIAL PROGRAM

FRIDAY, MAY 16, 2025 — *continued*

9:40-10:00 am	BREAK	Grand Assembly
10:00-11:30 am	SESSION 2: ESSENTIALS MODERATORS: Richard W. Byrne, MD and Judy Huang, MD	Grand Ballroom
10:00-10:10 am	CAST: New and Essential Information Vincent C. Traynelis, MD	
10:10-10:20 am	ABNS: New and Essential Information Howard Riina, MD	
10:20-10:30 am	CoRE: New and Essential Information Nicholas C. Bambakidis, MD	
10:30-10:40 am	ARANS Mentorship Project - A Pathway to Success Katherine Guzman and Rita A. Raio	
10:40-10:45 am	Panel Discussion and Questions	
10:45-10:50 am	Residency Program Administrator Award Presenters: Kim J. Burchiel, MD, Nathan R. Selden, MD, PhD, and Gregory J. Zipfel, MD Award Recipient: Susie M. Hines	
10:50-10:55 am	Introduction of Grossman Award Lecture Nathan R. Selden, MD, PhD	
10:55-11:25 am	Grossman Award Lecture David Huang, MD, PhD	
11:25-11:30 am	Q&A	
11:30 am-12:30 pm	LUNCH	Exhibit Hall
12:30-4:45 pm	SESSION 3: LEADERSHIP MODERATORS: Michael P. Steinmetz, MD and Gregory J. Zipfel, MD	Grand Ballroom
12:30-12:35 pm	Global Leadership and Learning Institute (GLLI): Program Introduction G. Logan Rife, PhD	
12:35-2:35 pm	Crucial Conversations and Conflict Resolution Workshop Megan M. Jack, MD, PhD, G. Logan Rife, PhD, and Sarah Woodrow, MD	
2:35-2:45 pm	Crucial Conversations as a Leadership Tool G. Logan Rife, PhD	
2:45-3:15 pm	BREAK	Grand Assembly

SCIENTIFIC AND SOCIAL PROGRAM

FRIDAY, MAY 16, 2025 — *continued*

3:15-3:20 pm	Introduction of Maestro Welser-Möst Deborah L. Benzil, MD
3:20-3:50 pm	Silence: A Conversation featuring Franz Welser-Möst Randy L. Jensen, MD, PhD, Shelly D. Timmons, MD, PhD, and Franz Welser-Möst
3:50-4:00 pm	Q&A
4:00-4:05 pm	Introduction of Winn Prize Lecturer E. Sander Connolly Jr., MD
4:05-4:35 pm	Winn Prize Lecture Itzhak Fried, MD, PhD
4:35-4:45 pm	Q&A

4:45-5:30 pm	SNS COMMITTEE MEETINGS
	<ul style="list-style-type: none"> • CAST Committee Carnegie Boardroom • Committee on Resident Education (CoRE) Van Aken • Medical Student Committee Severance • Research Committee Rockefeller Boardroom
	SNS Committee Meetings will be held on the 4th floor of the Hotel Cleveland.

6:00-8:00 pm	WELCOME RECEPTION Cleveland Museum of Natural History 1 Wade Oval Drive, Cleveland, OH 44106 <i>Attire: Business Casual</i> Buses depart from Hotel Cleveland Main Lobby at 5:30 pm.
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SCIENTIFIC AND SOCIAL PROGRAM

SATURDAY, MAY 17, 2025

Hotel Cleveland

7:00-8:00 am	BREAKFAST	<i>Exhibit Hall</i>
7:00 am-3:30 pm	REGISTRATION	<i>Grand Assembly</i>
8:00-10:00 am	SESSION 4: ORGANIZATION MODERATORS: Deborah L. Benzil, MD and Linda M. Liao, MD, PhD, MBA	<i>Grand Ballroom</i>
8:00-8:15 am	Host Program Video and Virtual Tour Rebecca L. Achey, MD, Arpan A. Patel, MD, Richard P. Schlenk, MD, and Akshay Sharma, MD	
8:15-8:20 am	Cleveland Clinic Welcome Tomislav Mihaljevic, MD and Michael P. Steinmetz, MD	
8:20-9:00 am	CLEVELAND CLINIC: INSTITUTE MODEL	
8:20-8:30 am	View From an Institute Director André G. Machado, MD, PhD	
8:30-8:40 am	View From a Chair Dominic Pelle, MD	
8:40-8:50 am	View From the Chair of the Satellite Cleveland Clinic Institute Badih Adada, MD	
8:50-9:00 am	Panel Discussion and Questions	
9:00-10:00 am	CLEVELAND CLINIC: INNOVATION AND INTERVENTION	
9:00-9:15 am	Private Equity and For-Profit Systems in Healthcare Jim Cotelingam and Tom Henderson	
9:15-9:20 am	Q&A	
9:20-9:30 am	The Reality of Physician Wellness Rahul Tendulkar, MD	
9:30-9:40 am	Mentoring and Coaching in Neurosurgical Training Edward C. Benzel, MD	
9:40-9:50 am	Optimizing the Transition to Practice Ghaith Habboub, MD	
9:50-10:00 am	Panel Discussion and Questions	

SCIENTIFIC AND SOCIAL PROGRAM

SATURDAY, MAY 17, 2025 — *continued*

10:00-10:30 am	BREAK	Grand Assembly
10:30 am-12:00 pm	SESSION 5: LEGACY MODERATORS: Kim J. Burchiel, MD and Martina Stippler, MD	Grand Ballroom
10:30-10:35 am	Introduction of History Lecture Kim J. Burchiel, MD	
10:35-10:55 am	Cleveland, Cushing, and Professionalism at the Birth of American Neurosurgery Gene H. Barnett, MD	
10:55-11:00 am	Q&A	
11:00-11:10 am	Medical Education and Residency Training: Need to Know Update Alexander A. Khalessi, MD, MBA	
11:10-11:15 am	Introduction of President Nathan R. Selden, MD, PhD Richard W. Byrne, MD	
11:15-11:50 am	Presidential Address Nathan R. Selden, MD, PhD	
11:50 am-12:00 pm	Passing of the Gavel Nathan R. Selden, MD, PhD and Richard W. Byrne, MD	
12:00-1:00 pm	LUNCH	Exhibit Hall
1:00-2:40 pm	SESSION 6: CHANGE MODERATORS: Mark D. Johnson, MD, PhD and Oren Sagher, MD	Grand Ballroom
1:00-1:20 pm	Developing Clinical Leaders James Stoller, MD	
1:20-1:30 pm	Q&A	
1:30-1:40 pm	Why Grow? Scott D. Wait, MD	
1:40-1:50 pm	Faculty Physician Unions Patricia B. Raksin, MD	
1:50-2:00 pm	Changing Hospital Affiliations: Effects on Residency Programs William J. Mack IV, MD	
2:00-2:10 pm	Surviving Layoffs and Hiring Freezes Gerald A. Grant, MD	

SCIENTIFIC AND SOCIAL PROGRAM

SATURDAY, MAY 17, 2025 — *continued*

2:10-2:20 pm	Surviving Hospital Mergers and Realignment E. Antonio Chiocca, MD, PhD	
2:20-2:30 pm	Surviving Reduced Margins: Maintaining Faculty Recruitment and Program Development M. Sean Grady, MD	
2:30-2:40 pm	Panel Discussion and Questions	
2:40-3:10 pm	BREAK	Grand Assembly
3:10-4:30 pm	SESSION 7: INSTITUTION MODERATORS: Lola B. Chambless, MD and E. Antonio Chiocca, MD, PhD	Grand Ballroom
3:10-3:20 pm	Clinical Trials in Neurosurgery Peter J. Hutchinson, MBBS, PhD	
3:20-3:55 pm	Neurosurgeons in Executive Leadership: Introduction and Panel Discussion MODERATOR: Nathan R. Selden, MD, PhD PANELISTS: Alan S. Boulos, MD, Robert S. Carter, MD, PhD, Lawrence S. Chin, MD, Ian F. Dunn, MD, Steven N. Kalkanis, MD, and Jeffrey G. Ojemann, MD	
3:55-4:05 pm	Leadership in Neurological Surgery (LeNS) Fellowship David D. Limbrick Jr., MD, PhD	
4:05-4:15 pm	Neurosurgeon-Scientist Training Program Linda M. Liau, MD, PhD, MBA	
4:15-4:25 pm	K12 Pipeline Accelerator and Neurosurgeon Research Career Development Program Gregory J. Zipfel, MD	
4:25-4:30 pm	Panel Discussion and Questions	
6:30-9:00 pm	GALA DINNER <i>Attire: Black Tie Preferred</i>	Forest City Ballroom

SCIENTIFIC AND SOCIAL PROGRAM

SUNDAY, MAY 18, 2025

Hotel Cleveland

7:00 am–1:00 pm	REGISTRATION	<i>Grand Ballroom</i>
7:00–7:45 am	MEMBERS ONLY BREAKFAST AND BUSINESS MEETING	<i>Grand Ballroom</i>
7:00–8:00 am	NON-MEMBERS BREAKFAST	<i>Forest City Ballroom</i>
8:00–10:00 am	SESSION 8: FUTURE MODERATORS: Sepideh Amin-Hanjani, MD and Richard P. Schlenk, MD	<i>Grand Ballroom</i>
8:00–8:10 am	Residency Mission: Defining Your Brand Aviva Abosch, MD, PhD	
8:10–8:20 am	Financing Resident Education in an Era of Decreased Hospital Margins Lawrence S. Chin, MD	
8:20–8:30 am	Optimizing Program Reputation within National Ranking Systems Daniel M. Sciubba, MD	
8:30–8:40 am	Program Director Patient Safety and Quality (PD PQ) Educators Network Christina M. Sayama, MD	
8:40–8:45 am	Panel Discussion and Questions	
8:45–8:50 am	Introduction of Medical Student Teaching Award Bernard R. Bendok, MD and Robert J. Spinner, MD	
8:50–8:55 am	Medical Student Teaching Award Acceptance Fredric B. Meyer, MD	
8:55–9:00 am	Introduction of Resident Teaching Award Nathan R. Selden, MD, PhD	
9:00–9:05 am	Resident Teaching Award Acceptance Debraj R. Mukherjee, MD	
9:05–9:10 am	Introduction of Surgeon-Educator Fellows Program and 2024 Fellows Linda W. Bi, MD, PhD	
9:10–9:18 am	Surgeon-Educator Fellow: An Assessment of Neurosurgical Educator Needs Debraj R. Mukherjee, MD	
9:18–9:26 am	Surgeon-Educator Fellow: From Intuition to Intent: Foundations for the Developing Neurosurgeon Educator Seunggu J. Han, MD	
9:26–9:31 am	Panel Discussion and Q&A	

SCIENTIFIC AND SOCIAL PROGRAM

SUNDAY, MAY 18, 2025 — *continued*

9:31-9:37 am	Abstract Session: Strides in Gender Equity with Room to Grow: A National Survey of Men and Women in Neurosurgery Hannah Lemel and Nathan R. Selden, MD, PhD	
9:37-9:43 am	Abstract Session: Intersectionality of Race and Neurosurgeon Sense of Belonging: A Nationwide Survey of Practicing Neurosurgeons Deborah L. Benzel, MD and Alan Gordillo	
9:43-9:49 am	Abstract Session: Implementation of a Virtual Curriculum for Medical Students Completing Clinical Rotations in Neurosurgery Debraj R. Mukherjee, MD	
9:49-9:55 am	Abstract Session: Closing the Self-Assessment Gap: Implementation of a Cranial Dissection Curriculum among Junior Neurosurgical Residents Katherine McDaniel, PhD	
9:55-10:00 am	Panel Discussion and Q&A	
10:00-10:15 am	BREAK	General Assembly
10:15 am-12:05 pm	SESSION 9: RESILIENCE MODERATORS: Nicholas C. Bambakidis, MD and Kevin M. Cockroft, MD	Grand Ballroom
10:15-10:25 am	Eliminating Bad Actors: Can We Do Better? Karin M. Muraszko, MD	
10:25-11:25 am	Interactive Workshop: Intervening in Professionalism Breaches William O. Cooper, MD	
11:25-11:35 am	Minority Resident Attrition Sonia V. Eden, MD	
11:35-11:45 am	Managing Resident Grief John K. Ratliff, MD	
11:45-11:55 am	Crisis Management in Neurosurgical Training James M. Ecklund, MD	
11:55 am-12:05 pm	Panel Discussion and Q&A	
12:05-12:35 pm	LUNCH	Exhibit Hall

SUNDAY, MAY 18, 2025 – *continued*



12:35-2:00 pm

SESSION 10: ENGAGEMENT

Grand Ballroom

MODERATORS: Russell R. Lonser, MD and Akash J. Patel, MD

12:35-12:55 pm

Training in Neurosurgery in the UK and Ireland

Rosa Sun, MD

12:55-1:05 pm

Effective Leadership Development

Nina Z. Moore, MD

1:05-1:15 pm

Faculty Recruitment and Retention Strategies

Joseph S. Cheng, MD

1:15-1:25 pm

Continuous Improvement: Enhancing Staff Satisfaction

Richard W. Byrne, MD

1:25-1:35 pm

Morbidity & Mortality Conference: Beyond "Blame and Shame"

Justin G. Santarelli, MD

1:35-1:45 pm

Eliminating Bias in Leadership Development

Aruna Ganju, MD

1:45-2:00 pm

Panel Discussion and Q&A

GENERAL INFORMATION

WHAT IS INCLUDED IN THE REGISTRATION FEE?

- Daily Breakfasts, Lunches, and Beverage Breaks
- Daily Scientific Sessions
- Friday Welcome Reception
- Saturday Gala Dinner

MEETING LOCATION

The SNS Annual Meeting will be held at Hotel Cleveland, located at 24 Public Square, Cleveland, Ohio. The General Session will take place in the Grand Ballroom on the 3rd floor of the Hotel Cleveland.

WELCOME RECEPTION

The Welcome Reception will take place on Friday, May 16 from 6:00-8:00 pm at the Cleveland Museum of Natural History. Enjoy cocktails and light hors d'oeuvres while networking with your colleagues. Attire: Business Casual.

Transportation will depart from the main entrance of Hotel Cleveland at 5:30 PM.

GALA DINNER

The Gala Dinner will take place on Saturday, May 17 from 6:30 - 9:00 pm in the Forest City Ballroom at Hotel Cleveland. A plated dinner will be served. Attire: Black Tie Preferred.

ONSITE REGISTRATION HOURS

Registration will take place in the Grand Assembly on the 3rd floor of the Hotel Cleveland.

Thursday, May 15	4:00-6:00 pm
Friday, May 16	7:00 am-3:30 pm
Saturday, May 17	7:00 am-3:30 pm
Sunday, May 18	7:00 am-1:00 pm

CLEVELAND CLINIC

On Saturday, May 17, morning programming be provided by the Cleveland Clinic in the Grand Ballroom at the Hotel Cleveland.



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 2025 SNS Annual Meeting.

Your requirements should be sent directly to The Society of Neurological Surgeons by emailing info@societyns.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.

EXECUTIVE COUNCIL

EXECUTIVE COUNCIL MEMBERS 2024-2025

President.....	Nathan R. Selden, MD, PhD
President Elect	Richard W. Byrne, MD
Vice President.....	Oren Sagher, MD
Secretary	Gregory J. Zipfel, MD
Treasurer.....	Linda M. Liao, MD, PhD, MBA
Past President.....	E. Antonio Chiocca, MD, PhD
Past-Past President.....	E. Sander Connolly Jr., MD
Past Vice President.....	Judy Huang, MD
Member-at-Large	Mark D. Johnson, MD, PhD
Member-at-Large	Stacey Q. Wolfe, MD
Program Chair	Randy L. Jensen, MD, PhD
Historian	Kim J. Burchiel, MD
Local Host	Deborah L. Benzil, MD and Michael P. Steinmetz, MD

NON-VOTING MEMBERS

ABNS Ad Hoc Member.....	Howard A. Riina, MD
RC Ad Hoc Member	Richard G. Ellenbogen, MD
CAST	Vincent C. Traynelis, MD
CoRE	Nicholas C. Bambakidis, MD
Medical Student Committee.....	Lola B. Chambless, MD
Membership Committee	Michelle J. Clarke, MD
Research Committee	Costas G. Hadjipanayis, MD, PhD

STANDING COMMITTEES, SOCIETY REPRESENTATIVES, SNS MEMBERS, AWARD RECIPIENTS, AND SOCIETY HISTORY

STANDING COMMITTEES

A list of all current SNS Committees can be found on the SNS website at societyns.org/about/committees.



SOCIETY REPRESENTATIVES

A list of all current Society Representatives can be found on the SNS website at societyns.org/about/society-representatives.

SNS MEMBERS

All Active, Senior, Positional, and Honorary members of the SNS can be found on the SNS website utilizing the Member Director at: societyns.org/membership/member-directory.



AWARD RECIPIENTS

All past award winners for the Bass Awards Lecturers, Distinguished Service Award, Grass Foundation Awards, Grossman Award Lecturers, Medical Student Teaching Awards, and Winn Prize can be found on the SNS website at: societyns.org/about/awards.

PAST OFFICERS

Past officers of The Society can be found on the SNS website at: societyns.org/about/history-detail/past-officers-of-society.



SOCIETY HISTORY

A full history of The Society of Neurological Surgeons can be found on the SNS website at: societyns.org/about/history-detail/preface.

**100 Years of
Neurosurgery**



DECEASED MEMBERS

John E. Adams, MD	1999	Eldridge H. Campbell, Jr., MD	1956
Alfred W. Adson, MD	1951	Robert L. Campbell, MD	2018
Eben Alexander, Jr., MD	2004	Louis P. Carter, MD	2010
John F. Alksne, MD	2024	Thomas E. Carter, MD	2006
Marshall B. Allen, Jr., MD	2015	Justin S. Cetas, MD, PhD	2022
Orlando J. Andy, MD	1997	Joseph Chandy, MD (<i>Honorary</i>)	2007
Joao (John) Lobo Antunes, MD (<i>Honorary</i>)	2016	Shelley N. Chou, MD	2001
Chisato Araki, MD (<i>Honorary</i>)	1976	Lee A. Christoferson, Sr., MD	2000
Román Arana-Iñiguez, MD (<i>Honorary</i>)	1977	Ivan S. Ciric, MD	2021
Edward W. Archibald, MD	1945	William K. Clark, MD	2007
James G. Arnold, Jr., MD	1994	Donald F. Coburn, MD	1988
Alexander I. Arutyunov, MD (<i>Honorary</i>)	1975	Claude C. Coleman, MD	1953
Alfonso Asenjo, MD (<i>Honorary</i>)	1980	William F. Collins, Jr., MD	2009
George M. Austin, MD	2002	William V. Cone, MD	1959
Charles Bagley, Jr., MD	1957	Edward S. Connolly, Sr., MD	2014
Percival Bailey, MD	1973	William S. Coxe, MD	2012
Louis Bakay, MD	1998	Winchell M. Craig, MD	1960
Roy A. E. Bakay, MD	2013	Paul H. Crandall, MD	2012
George S. Baker, MD	1993	Robert M. Crowell, MD	2020
Maitland Baldwin, MD	1970	W. Gayle Crutchfield, MD	1972
H. Thomas Ballantine, Jr., MD	1996	Harvey W. Cushing, MD	1939
Robert C. Bassett, MD	1975	Walter E. Dandy, MD (<i>Honorary</i>)	1946
Donald P. Becker, MD	2020	Leo M. Davidoff, MD	1975
Claude Bertrand, MD	2014	Courtland H. Davis, Jr., MD	1982
Perry Black, MD	2018	Loyal Davis, MD	1982
Byron M. Bloor, MD	1994	Albert P. D'Errico, MD	1984
Edwin B. Boldrey, MD	1988	Richard L. DeSaussure, Jr., MD	2008
Warren C. Boop, Jr., MD	2021	Jacquez C. de Villiers, MD (<i>Honorary</i>)	2018
Edmund H. Botterell, MD	1997	R. M. Peardon Donaghy, MD	1991
Robert S. Bourke, MD	1996	Norman M. Dott, MD (<i>Honorary</i>)	1973
Charles E. Brackett, MD	2016	Charles E. Downman, Jr., MD	1931
E. Jefferson Browder, MD	1976	Charles G. Drake, MD	1998
Howard A. Brown, MD	1990	Dean H. Echols, MD	1991
Willis E. Brown, Jr., MD	1993	George Ehni, MD	1986
Paul C. Bucy, MD	1993	Charles A. Elsberg, MD	1948
Eduard A. V. Busch, MD (<i>Honorary</i>)	1982	Arthur R. Elvidge, MD	1985
Karl A. Bushe, MD (<i>Honorary</i>)	1999	Fred J. Epstein, MD	2006
David W. Cahill, MD	2003	Theodore C. Erickson, MD	1986
Sir Hugh W.B. Cairns, MD (<i>Honorary</i>)	1952	Joseph P. Evans, MD	1985
		Charles A. Fager, MD	2014

DECEASED MEMBERS

Temple Fay, MD	1963	Jess D. Hermann, MD	1994
William H. Fiendel, MD	2014	George J. Heuer, MD	1950
Edgar F. Fincher, Jr., MD	1969	Henry L. Heyl, MD	1975
David M. Frim, MD	2003	Norman C. Hill, MD	2020
Robert G. Fisher, Jr., MD	2003	Julian T. Hoff, MD	2007
Stevenson Flanigan, MD	2007	Harold J. Hoffman, MD	2004
Howard W. Fleming, MD	1974	Gilbert Horrax, MD	1957
Eldon L. Foltz, MD	2013	William E. Hunt, MD	1999
Charles H. Frazier, MD	1936	Franc D. Ingraham, MD	1965
John D. French, MD	1989	Fabian Isamat, MD (<i>Honorary</i>)	2019
Lyle A. French, MD	2004	Shozo Ishii, MD (<i>Honorary</i>)	2012
Piero Frugoni, MD (<i>Honorary</i>)	1994	John A. Jane, Sr., MD	2015
Leonard T. Furlow, MD	1980	Peter J. Jannetta, MD	2016
J. Garber Galbraith, MD	1996	Manucher J. Javid, MD	2021
W. James Gardner, MD	1987	Sir Geoffrey Jefferson, MD (<i>Honorary</i>)	1961
Henry D. Garretson, MD	2007	Byran Jennett, MD (<i>Honorary</i>)	2008
William J. German, MD	1981	Ottiwel W. Jones, Jr., MD	1987
Philip L. Gildenberg, MD, PhD	2020	Edgar A. Kahn, MD	1985
F. J. Gillingham, MD (<i>Honorary</i>)	2010	Allen B. Kanavel, MD	1938
Sidney Goldring, MD	2004	E. I. Kandel, MD (<i>Honorary</i>)	1990
Phillip D. Gordy, MD	2014	Harry A. Kaplan, MD	1995
Carl J. Graf, MD	1987	Samuel S. Kasoff, MD	2009
Lars G. Granholm, MD (<i>Honorary</i>)	1988	Jay J. Keegan, MD	1978
Francis C. Grant, MD	1967	Ludwig G. Kempe, MD	2012
George H. Gray, Jr., MD	2016	Frederick W. L. Kerr, MD	1983
John R. Green, MD	1990	Harry H. Kerr, MD	1963
Michael W. Groff, MD	2025	Robert B. King, MD	2008
Robert A. Groff, MD	1975	Katsutoshi Kitamura, MD (<i>Honorary</i>)	2004
Cordell E. Gross, MD	2000	David G. Kline, MD	2024
Robert G. Grossman, MD	2021	Robert S. Knighton, MD	2004
Gerard Guiot, MD (<i>Honorary</i>)	1998	Wolfgang T. Koos, MD (<i>Honorary</i>)	2000
E. Stephen Gurdjian, MD	1985	Paul L. Kornblith, MD	2023
Wallace B. Hamby, MD	1999	Herbert Kraus, MD (<i>Honorary</i>)	1975
John W. Hanbery, MD	1996	Hugo Krayenbuhl, MD (<i>Honorary</i>)	1985
Griffith R. Harsh, III, MD	2019	Kristian Kristiansen, MD (<i>Honorary</i>)	1993
Samuel C. Harvey, MD	1953	Theodore Kurze, MD	2002
Hale A. Haven, MD	1964	Thomas W. Langfitt, MD	2005
C. Douglas Hawkes, MD	1998	Sanford J. Larson, MD	2012
Gen. George J. Hayes, MD	2002	James R. Learmonth, MD (<i>Honorary</i>)	1967
Mark P. Heilbrun, MD	2010	Lyal G. Leibrock, MD	2005

DECEASED MEMBERS

Lars Leksell, MD (<i>Honorary</i>)	1986	William Noordenbos, MD (<i>Honorary</i>)	1992
Richard A. Lende, MD	1973	Gösta Norlén, MD (<i>Honorary</i>)	1992
Dean D. Lewis, MD	1941	D. W. C. Northfield, MD (<i>Honorary</i>)	1977
Richard U. Light, MD	1994	G. Robert Nugent, MD	2016
Kenneth E. Livingston, MD	1984	Frank E. Nulsen, MD	1994
Raeburn C. Llewellyn, MD	2009	Sixto A. Obrador, MD (<i>Honorary</i>)	1978
Valentine Logue, MD (<i>Honorary</i>)	2000	Guy L. Odom, MD	2001
Donlin M. Long, MD	2023	Robert G. Ojemann, MD	2010
H.C. Ruediger Lorenz, MD (<i>Honorary</i>)	2008	Eric Oldberg, MD	1986
J. Grafton Love, MD	1987	Edward H. Oldfield, MD	2017
Alfred J. Luessenhop, MD	2009	A. Herbert Olivecrona, MD (<i>Honorary</i>)	1980
Collin S. MacCarty, MD	2003	Jewel L. Osterholm, MD	2017
Robert J. Maciunas, MD	2011	William O. Ott, MD	1963
Ernest W. Mack, MD	2000	Kenneth W. E. Paine, MD	1994
M. Stephen Mahaley, Jr., MD	1992	Pietro Paoletti, MD (<i>Honorary</i>)	1991
Leonard I. Malis, MD	2005	Tae Sung Park, MD	2024
Vernon H. Mark, MD	2014	Dwight Parkinson, MD	2005
John Martin, MD	1996	Andrew T. Parsa, MD	2015
Donald D. Matson, MD	1969	Herbert Parsons, MD	1995
Robert E. Maxwell, MD, PhD	2022	Emil Pasztor, MD (<i>Honorary</i>)	2015
Frank H. Mayfield, MD	1991	Bernard S. Patrick, MD	2013
David J. McCullough, MD	1992	Harold D. Paxton, MD	2015
Kenneth G. McKenzie, MD	1964	Max M. Peet, MD	1949
Robert L. McLaurin, MD	2015	Wilder Penfield, MD	1976
William F. Meacham, MD	1999	Joe Pennybacker, MD (<i>Honorary</i>)	1983
John N. Meagher, MD	1993	Phanor L. Perot, Jr., MD	2011
H. Russell Meyers, MD	1999	Bernard C. Pertuiset, MD (<i>Honorary</i>)	2000
Carole A. Miller, MD	2015	Daniel Petit-Dutallis, MD (<i>Honorary</i>)	1968
J. Douglas Miller, MD	1996	Byron C. Pevehouse, MD	2010
Joseph H. Miller, MD	2021	William T. Peyton, MD	1962
Ross H. Miller, MD	2014	Hans W. Pia, MD (<i>Honorary</i>)	1986
W. Jason Mixter, MD	1958	Cobb Pilcher, MD	1949
Thomas P. Morley, MD	2012	Reinaldo A. Poblete, MD (<i>Honorary</i>)	1993
Lester A. Mount, MD	1999	J. Lawrence Pool, MD	2004
John (Sean) F. Mullan, MD	2015	James L. Poppen, MD	1978
Donald Munro, MD	1973	Robert W. Porter, MD	2021
Francis Murphey, MD	1994	Jose R. Portugal, MD (<i>Honorary</i>)	1993
Frederick Murtagh, Jr., MD	1996	Robert H. Pudenz, MD	1998
Paul W. Myers, MD	2013	Tracy J. Putnam, MD	1975
Howard C. Naffziger, MD	1961	John E. Raaf, MD	2000
Blaine S. Nashold, Jr., MD	2014	Anthony J. Raimondi, MD	2000

DECEASED MEMBERS

B. Ramamurthi, MD	2003	R. Glen Spurling, MD	1968
Carl W. Rand, MD	1972	Ladislau Steiner, MD (<i>Honorary</i>)	2013
Robert W. Rand, MD	2013	Arist A. Stender, MD (<i>Honorary</i>)	1978
Joseph L. Ransohoff, II, MD	2001	Walter E. Stern, Jr., MD	2017
Theodore B. Rasmussen, MD	2002	Byron P. Stookey, MD	1966
Bronson S. Ray, MD	1993	Oscar Sugar, MD	2008
David L. Reeves, MD	1970	Kenichiro Sugita, MD (<i>Honorary</i>)	1994
Owen H. Reichman, MD	2018	Thoralf M. Sundt, Jr., MD	1992
Albert L. Rhoton, Jr., MD	2016	Hendrick J. Svien, MD	1972
Nathan Rifkinson, MD	2010	William H. Sweet, MD	2001
Hugo V. Rizzoli, MD	2014	Lindsay E. Symon, MD (<i>Honorary</i>)	2019
Theodore S. Roberts, MD	2007	Kintomo Takakura, MD (<i>Honorary</i>)	2019
James T. Robertson, MD	2019	Alfred S. Taylor, MD	1942
Hubert L. Rosomoff, MD	2008	Frank R. Teachenor, MD	1953
Richard L. Rovit, MD	2018	L. Murray Thomas, MD	2012
Ernest Sachs, Sr., MD	1958	Suzie C. Tindall, MD	2016
Ernest Sachs, Jr., MD	2001	Edward B. Towne, MD	1957
Keiji Sano, MD (<i>Honorary</i>)	2011	Frank Turnbull, MD	2000
Martin P. Sayers, MD	2013	Alfred Uihlein, MD	1990
John E. Scarff, MD	1978	John C. Van Gilder, MD	2007
Edward B. Schlesinger, MD	1997	William P. Van Wagenen, MD	1961
Henry H. Schmidek, MD	2008	Manuel M. Velasco-Suarez, MD (<i>Honorary</i>)	2001
Richard C. Schneider, MD	1986	Joan L. Venes, MD	2010
Luis Schut, MD	2018	Henk Verbiest, MD (<i>Honorary</i>)	1997
Henry G. Schwartz, MD	1998	Clovis Vincent, MD (<i>Honorary</i>)	1947
R. Michael Scott	2023	Howard C. Voris, MD	1980
William B. Scoville, MD	1984	A. Earl Walker, MD	1995
Edward R. Seljeskog, MD, PhD	2022	Arthur A. Ward, Jr., MD	1997
Bertram Selverstone, MD	1993	Clark Watts, MD	2019
R. Eustace Semmes, MD	1982	W. Keasley Welch, MD	1996
Mark E. Shaffrey, MD	2024	Walter W. Whisler, MD, PhD	2020
C. Hunter Shelden, MD	2003	Benjamin B. Whitcomb, MD	1998
Henry A. Shenkin, MD	2007	James C. White, MD	1981
John Shillito, Jr., MD	2012	Robert J. White, MD	2010
Kenneth Shulman, MD	1981	Harry Wilkins, MD	1985
Frederick A. Simeone, MD	2022	Robert H. Wilkins, MD	2017
Frank P. Smith, MD	2003	Charles B. Wilson, MD	2018
Kenneth R. Smith Jr., MD	2024	Barnes Woodhall, MD	1984
Robert R. Smith, MD	2003	Frank R. Wrenn, Jr., MD	1990
Samuel R. Snodgrass, MD	1975	Shokei Yamada, MD	2017
Bruce F. Sorensen, MD	2017	Julian R. Youmans, MD	2019

DECEASED MEMBERS

John F. Alksne, MD 1933 - 2024

John F. Alksne, MD, Professor Emeritus of Neurosurgery and longtime Dean of the School of Medicine at the University of California, San Diego passed away peacefully, on May 17, 2024, surrounded by his loving family. He died after a battle with vascular dementia.

Dr. Alksne was a renowned neurosurgeon who cared for thousands of patients with neurological conditions ranging from epilepsy, to tumors, aneurysms, infections and strokes. He pioneered the treatment of trigeminal neuralgia, discovering (along with Peter Jannetta) a treatment that eliminated the facial pain associated with the condition. Patients came to Dr. Alksne from all over the world to solve this painful and maddening disease. He was also an innovator in the stereotactic use of magnetic iron acrylics for the treatment of surgically inaccessible aneurysms. As Professor Emeritus of Neurological Surgery at UC San Diego School of Medicine, Dr. Alksne spent nearly fifty years training residents and fellows who have gone on to become renowned in their respective field. He joined UC San Diego in 1971 as a Professor of Neurological Surgery, where he founded the Neurosurgery Department and served as its Chief until 1995. He was appointed Dean of the School of Medicine in 1992, Vice Chancellor for Health Sciences in 1994, and continued in both positions until 1999.

He established the Epilepsy Surgery Program at UC San Diego Health, and was honored with a special commendation by the Epilepsy Society of San Diego County in 1992. And he was instrumental in establishing the UC San Diego program in gene therapy, which includes research, training and clinical trials. As Dr. Alexander Khalessi, Chair of Neurological Surgery at UC San Diego School of Medicine, observed, "John was a consummate gentleman and surgical teacher. His leadership leaves an enduring legacy at UC San Diego. It's no accident our Department's most joyous occasion, our residency graduation, bears his name. Training tomorrow's surgeons was his passion and his legacy." Prior to joining UC San Diego, Dr. Alksne was Chief of Neurosurgery at Harbor General Hospital at UC Los Angeles from 1964-67 and Professor and Chair of Neurological Surgery at the Medical College of Virginia from 1967-71. He completed his residency training at the University of

Washington in Seattle, where he also earned his medical degree. While most knew John Alksne as a renowned brain surgeon, those who knew him well recognized that he could fix almost anything.

His first love was car engines, which he discovered while working as a mechanic at his uncle's garage in Palo Alto during high school. Once he became a neurosurgeon, he often joked that "the brain is just like a car engine, it's just not color-coded". He enjoyed spending time with his children, and was a long board surfer in the 1960's and 70's. Ever the neurosurgeon, and way ahead of his time, he was the only surfer in the Shores who wore an orange motorcycle helmet with holes drilled into it while he surfed.

While his family is extremely proud of his professional accomplishments, he will be most remembered and missed by all because he was such a devoted father. He coached his kids' little league teams, helped care for their horses, went to their wrestling matches and cheered at football games. He would happily come to elementary school classes armed with human and pig brains to show off in science class and even put casts on every kid who wanted one. He loved to drive cross-country, camp, and stay in KOA's--eating beans and sandwiches he expertly prepared. But mostly, he loved to take his family skiing--from Snoqualmie Pass to St Anton, to Snowmass. (And he was one of the first people to wear a helmet.) This family ski trip tradition continued for years as he took children, spouses and grandchildren to Tahoe yearly.

Dr. Alksne is survived by his 3 living children: Milton Alksne, Cynthia Alksne (Steve McMahon), and Lorna Alksne (Chris McKellar), his step-daughter, Elizabeth Robson, and 10 grandchildren, 2 great grandchildren, with a 3rd great grandchild on the way. He was preceded in death by his wife, Ofelia Alksne, his son Ward Alksne and his first wife Patti Alksne. The family extends their gratitude to his devoted caregivers, Irene and Norma. They have been angels these last two years. The family is grateful for the support of family and friends and especially his esteemed colleagues at UC San Diego.

DECEASED MEMBERS

Michael W. Groff, MD 1966 – 2025

The Society of Neurological Surgeons (SNS) and the entire neurosurgical community mourn the untimely passing of Michael W. Groff, MD, a distinguished spine neurosurgeon, beloved colleague and dedicated leader. Michael passed away tragically in a plane crash on April 12, 2025, leaving behind a profound legacy of clinical excellence, academic contribution, and selfless service to the field of neurosurgery.

Michael Groff was born in Amsterdam where his father worked his way through medical school as a Philadelphia born expatriate. He was raised outside of Tampa, Florida where he was infused with a love of medicine and aviation. He attended Swarthmore college where he majored in mathematics and played soccer. In 1993 he matriculated to medical school at the University of Pittsburgh, where he was fortunate to be mentored by Drs. Theodore Kurze and Peter Jannetta. His fascination and commitment to Neurosurgery under their tutelage were a foregone conclusion. He was even more fortunate to have met Joy Saini a fellow medical student and subsequently his spouse. They headed to New York City for residency with Michael continuing his training at the Mount Sinai Hospital. There Drs. Post and Sen instilled the skills and fortitude needed to be a neurosurgeon. Drs. Perin and Sundaresan sparked an interest in spine surgery. Dr. Groff received fellowship training at the Medical College of Wisconsin under the direction of Dr. Dennis Maiman coming away with a deep appreciation for spinal biomechanics and the role it plays in informing clinical decision making.

From 2011 to 2024, Michael served as Chief of the Division of Neurosurgical Spine and Vice Chair of Neurosurgery at Brigham and Women's Hospital. He was also an Associate Professor of Neurosurgery at Harvard Medical School. During his time at the Brigham, Michael was instrumental in the growth of the Division, establishing excellence in spine care for the Boston and New England area, mentoring and recruiting younger faculty, and working with colleagues to develop a Spine Service Line.

In 2024, he became Executive Director of the Neuroscience Institute at Rochester Regional Health, where he brought vision and leadership to a growing clinical program.

Beyond his impressive clinical career, Michael was a devoted steward of organized neurosurgery. A member of the Society of Neurological Surgeons since 2017, he worked tirelessly to push the field forward. Within the AANS, he served in numerous influential roles, including as a member of the Board of Directors and Executive Committee (2020–23), the Advisory Council (2021–23), and the Finance and Strategic Planning Committees. He was instrumental in shaping educational and organizational priorities, always with an eye toward improving care and strengthening the neurosurgical profession.

Michael's passion for research and education was evident through his long-standing service to the Neurosurgery Research & Education Foundation (NREF), where he chaired the Board of Directors from 2020 to 2023, and previously led the Development Committee.

The neurosurgical community offers its deepest condolences to Michael's family, friends and colleagues. We are forever grateful for his remarkable contributions and honored to have walked beside him in advancing the field he so dearly loved.

May his memory be a blessing and his legacy a guidepost for future generations.

DECEASED MEMBERS

David G. Kline, MD 1934 – 2024

Dr. David Gellinger Kline, a pioneering neurosurgeon and esteemed educator, passed away peacefully surrounded by his family on Friday, September 20, 2024. He was 89 years old. Born in Philadelphia on October 13, 1934, Dr. Kline dedicated his life to advancing the field of neurosurgery, particularly in peripheral nerve surgery. He received his A.B. from the University of Pennsylvania in 1956 and his MD in 1960.

Dr. Kline's illustrious career began at the Walter Reed Army Institute of Research and Walter Reed General Hospital, where he established a peripheral nerve injury research laboratory. He completed his neurosurgery training at the University of Michigan under Edgar Kahn and Richard Schneider, and further developed intraoperative methods for evaluating nerve lesions in Elizabeth Crosby's laboratory.

In 1967, Dr. Kline joined Louisiana State University School of Medicine, recruited by Dr. Peter Janetta. He became head of the division of neurosurgery in 1971 and was appointed professor of surgery in 1975. In 1976, he became chairman of the newly founded Department of Neurosurgery at the LSU Medical Center. His exceptional contributions were recognized in 1995 when he was named Boyd Professor, one of only eight such professors at the LSU Medical Center.

Throughout his career, Dr. Kline trained 41 neurosurgeons and over 60 fellows in peripheral nerve surgery. His leadership extended to numerous professional organizations, including:

- Secretary and President of the New Orleans Neurologic Society
- Founder, Secretary, and President of the Louisiana Neurosurgical Society
- Secretary and President of the Southern Neurosurgical Society
- Secretary and Chairman of the American Board of Neurological Surgery
- Treasurer, Vice President, and President of the Society of Neurological Surgeons
- Founding member of the Sunderland Society

- Corresponding or Honorary member of the American Association of Hand Surgery
- Canadian Neurosurgery Society, and the German Neurosurgery Society

Dr. Kline's contributions to the field were widely recognized. He received the Cushing Medal, the highest recognition from the American Association of Neurological Surgeons, in 2006. He was also awarded the Congress of Neurological Surgeons Founders Award and the NSA Gold Medal.

A prolific author, Dr. Kline published over 350 articles and chapters, along with two books. He served on numerous editorial boards, shaping the discourse in neurosurgery, particularly peripheral nerve surgery, for decades.

Dr. Kline's passing marks the end of an era in neurosurgery. His legacy lives on through the countless surgeons he trained, the patients he treated, and the advancements he made in the field. He will be deeply missed by his wife Nell, and children Susan, Robert, and Nancy, colleagues, and the entire neurosurgical community.

DECEASED MEMBERS

Tae Sung Park, MD 1947 - 2024

Tae Sung Park, MD, passed away unexpectedly on August 31, 2024 at the age of 77 years. Dr. Park was a pioneering pediatric neurosurgeon and an inspiration to generations of trainees.

Dr. Park's commitment to caring for children with neurological disorders at the highest level is evident through his training, extensive even for a neurosurgeon. He graduated from Yonsei University College of Medicine in Seoul, Korea, and then completed neurosurgery residency training at Yonsei. He completed a second residency at the University of Virginia under Dr. John Jane, whom he adored. Dr. Park also completed fellowships in Pediatric Surgery (Columbus Children's Hospital), Neuropathology (Massachusetts General Hospital), and Pediatric Neurosurgery (Hospital for Sick Children). After joining the faculty at Children's Hospital of Los Angeles, he returned to the University of Virginia in 1983 as the first full-time pediatric neurosurgeon.

In 1989, he joined his friend and colleague, Dr. Ralph Dacey, at Washington University in St. Louis. Dr. Park served as the Shi H. Huang Professor, and later the Margery Campbell Fort Professor, and Chief of Pediatric Neurosurgery and Neurosurgeon-in-Chief at St. Louis Children's Hospital until 2016. Under Dr. Park's leadership, the division thrived and attained national prominence as a destination for complex pediatric neurosurgical care and training. Dr. Park has trained >80 neurosurgery residents and nearly 30 pediatric neurosurgery fellows, many of whom have gone on to lead programs themselves.

For >20 years, Dr. Park ran an NIH-funded laboratory focused on microvascular injury in the neonatal brain. His work was recognized with the prestigious Javits Neuroscience Investigator Award from the NIH (1999) and the Winn Prize from the Society of Neurological Surgeons

(2008). Over the past 10 years, Dr. Park's research efforts centered on Chiari I malformation and syringomyelia through his namesake, the Park-Reeves Syringomyelia Research Consortium, and on technique and outcomes of selective dorsal rhizotomy (SDR).

Without hyperbole, Dr. Park was a surgical virtuoso and innovator. He was widely known for his technical proficiency and welcomed the most difficult surgical challenges. He is best known as the preeminent leader in the field of SDR for the treatment of spastic cerebral palsy. After developing substantial expertise, he pioneered a minimally invasive SDR technique, which is now adopted as the standard worldwide. Remarkably, he performed SDR on >5,300 patients from 80 countries; it is not an overstatement to say that the Park procedure and his own practice had immeasurable impact on children worldwide.

Dr. Park was active on both the American Board of Pediatric Neurological Surgery and the American Board of Neurological Surgery, where he served as Chair, and the American Board of Medical Specialties, where he served as Director-at-Large of the Board of Directors and Chair of the Health and Public Policy Task Force. He also served on the editorial boards of the Journal of Neurosurgery, Journal of Neurosurgery: Pediatrics and Childs Nervous System.

Aside from his many contributions to neurosurgery, Dr. Park was also an avid golfer, playing frequently with his friends in pediatric neurosurgery, and a nationally-competitive ballroom dancer. He is survived by his wife, Meeaeng, children Tom and Mina, and their families.

T.S. was a one-of-a-kind individual and surgeon, and we—and the field more broadly—will miss him dearly.

DECEASED MEMBERS

Mark E. Shaffrey, MD 1961 - 2024

It is with great sadness to announce on Wednesday, December 4, 2024, Dr. Mark E. Shaffrey of Charlottesville, Virginia, unexpectedly passed away at home. Mark is survived by his parents, Edwin and Eleanor Shaffrey of Hunt Valley, Maryland; his college sweetheart and wife of 39 years, Caroline (Smith) and their four children Curran of Charlottesville, Virginia; Tori of Scituate, Massachusetts; Anne of Brooklyn, New York; Aidan of Blacksburg, Virginia, and their five dogs; oldest brother Dr. Chris Shaffrey (Katie) of Durham, North Carolina; and youngest brother, Tim Shaffrey (Julie) of Reisterstown, Maryland. Mark's life journey began during an epic snowstorm in Upper Darby, Pennsylvania at Delaware County Memorial Hospital on January 31, 1961. For the next 63 years, Mark would prove many times over that no snowstorm or any challenge, for that matter, was too difficult for him to overcome. The list of those whose lives he touched and improved are far too numerous to include in this tribute.

Mark attended St. Joseph's High School in Huntington, West Virginia, and Graham High School in Bluefield, Virginia, for his Senior year graduating in 1979. He proudly attended Virginia Tech where he demonstrated academic excellence graduating Magna Cum Laude, Phi Beta Kappa, Mortar Board, and Outstanding Student Award in Research and Academics in the Department of Biochemistry. He earned Bachelor of Science degrees in Biochemistry and Biology in 1983. He was a life-long learner who enjoyed any and all academic challenges. Medicine was his life-calling and would be the source of his intellectual passion and pursuits that would allow him to serve the greater good for decades to come. Mark entered Medical School at the University of Virginia, where he joined his oldest brother, Chris, in the Fall of 1983. While at the UVA Medical School he was awarded the Armed Forces HPSP Scholarship, Ethel Bowen Scholarship, and Alpha Omega Alpha. He earned his M.D. in 1987.

Ironically, Mark and Chris would follow similar paths: Mark enlisted in the United States Air Force and Chris the United States Navy; both would pursue Neurosurgery as their field of specialty upon the start of their Residency. Mark was a Neurosurgical Resident from 1988-1994; Chief Resident in 1993-1994. Mark's Air Force commitment took them to Ocean Springs, Mississippi where he was Chief of the Neurosurgery Division at Keesler USAF Medical Center in 1996-1997. Once his Air Force obligation was fulfilled, he and Caroline returned to Charlottesville where Mark joined the University of Virginia Health Sciences Center as Associate Professor and Vice-Chairman from 1997-2003. He served as Co-Program Director for Neurosurgery Residency Program from 2003-2006, Co-Director of the Neuro-oncology Center

since 1997, and The David D. Weaver Professor and Department Chairman of Neurological Surgery from 2008 until the time of his passing.

His Academic and Professional achievements included over 150 professional publications, routinely listed as one of the Best Doctors in America, recognition on multiple Who's Who lists, America's Top Surgeons, Patients' Awards, Compassionate Doctor Award, Most Honored Professionals list, Leading Physicians, and many more year after year. He was an active member of many Professional Societies including but not limited to the American Academy of Neurological Surgeons, American Association of Neurological Surgeons, Congress of Neurological Surgeons, Neurological Research Society, Society of Neuro-oncology, and Society of Neurological Surgeons.

Mark was blessed to have been raised in a home of strong faith, kindness, caring and character. He was a healer, a mentor, a confidante, and a trusted, loyal friend who made a lasting impression on every life he touched. He was a servant leader beloved by patients, staff, and colleagues alike. Mark and Caroline's home was always open to the multitude of Residents, Attending and Visiting Professors whose commitment to patient care left them stranded in Charlottesville over holidays away from their own families. They would be treated to Mark and Caroline's warm and generous hospitality which would include phenomenal wine, food, and lively conversation.

While his professional achievements were many, Mark's greatest joy and fulfillment came from the life he shared with his loving wife, Caroline, their four children, and the community of misfit creatures they adopted along the way. And of course, Virginia Tech Hokies football. Mark glowed with pride as he watched his children move through their young lives and have grown up to exhibit the same virtues passed from their grandparents, to Mark and Caroline, and on to them as their own journeys continue. His children will hold memories of Mark over Christmas, pouring every ounce of himself into researching the perfect gifts for each of them, walking through art museums and likely knowing more than any placard or guided tour, and regularly introducing them to his newest favorite bands.

To honor his legacy and lifelong dedication to Neurosurgery, the NREF has established the Dr. Mark E. Shaffrey Memorial Fund to continue his commitment to advancing neurological science and improving patient care: nref.org/mark-e-shaffrey/.

DECEASED MEMBERS

Kenneth R. Smith Jr., MD 1932 - 2024

Kenneth Rupert Smith, Jr., MD, died peacefully at his home on Thursday, May 16, 2024, at the age of 91. Dr. Smith was born in Greenville, IL, on September 23, 1932, the oldest child of Kenneth Rupert Smith and Jocelyn Genevieve Smith (nee Ulmet). He attended public schools in Greenville and graduated valedictorian of Greenville High School in 1950.

Dr. Smith attended Greenville College from 1950 to 1953 when he left to accept a full scholarship at the Washington University School of Medicine, where he graduated with his degree in medicine in 1957. He then served a one-year residency at John Hopkins Medical Center before returning to St. Louis for a one-year residency in general surgery and a five-year neurosurgery residency at Barnes Hospital. He had two fellowships in neuroanatomy, one at Washington University and the other at Oxford University in England.

In January 1966, he became Chairman of the Department of Neurosurgery at Saint Louis University Hospital, a new department, established by Dr. Smith. He retired as Chairman of Neurosurgery at Saint Louis University in 2002, and from surgery in 2004. Throughout his career his research was published numerous times, and he held leadership roles in medical organizations including the President of The Society of Neurological Surgeons (1995-96), and President of the Society of University Neurosurgeons (1986) where he served as Historian until his death. Additionally, he was President of the St. Louis Metropolitan Medical Society and a member and the Missouri State Medical Association, the American Medical Association, the Congress of Neurological Surgeons, the American Association for the Advancement of Science, the American Academy of Neurological Surgery and many more including leadership and Board roles. In 2002, he established the KRSmith Endowed Chair in Neurosurgery at Saint Louis University.

After retirement, Dr. Smith continued to work as a volunteer doctor for in-need communities including at Casa de Salud, the SLU Health Resource Center and at Health Protection Education Services. For many years he visited prisoners at FCI Greenville in southern Illinois and corresponded and visited regularly with inmates he befriended.

He was a member of Second Presbyterian Church of St. Louis. Beyond his immeasurable contribution to Neuroscience and Neurosurgery, Dr. Smith's other devotion was to his family. He was married to Marjorie Ruth Sandin from June 6, 1956, until his death. Together, Marjie and Ken opened their home to countless friends and relatives, they served on numerous charitable boards and traveled extensively for work, leisure, and learning. He was also passionate about classical music and hosted musicians in his home for recitals, chamber concerts and receptions. He served on the board of the Sheldon Concert Hall, and supported The St. Louis Symphony Orchestra and many St. Louis music organizations with his presence and gifts.

Marjorie and Kenneth had seven children: Sue Kennedy, Sally Smith, Kenneth R. Smith III, (Pamela Bruns), Nancy Smith (Greta Masters), Carol Houghton (Eric), Joanne Clark (1964-1991), and Patricia Watwood (Duncan).

The family includes 12 grandchildren – Corey (Nate) Kennedy, Ryan Kennedy, Megan Stull, Sara Milligan, Patrick Miillgan, David Bruns-Smith, Alexandra Bruns-Smith, Kathryn Houghton, Matthew Houghton, Natalie Houghton, Beaux Watwood and Jonah Watwood, and nine great grandchildren - Marjorie Kennedy, Avery Kennedy, Miles Kennedy, James (Teddy) Stull, Elliot Stull, Julian Ferrari, Juniper Bihl, Kerrigan Hall, and Oliver Houghton.

Dr. Smith was a giant in his field of work as well as a loving husband, father, grandfather, and friend. He is and will continue to be deeply missed by the thousands of people he helped, cared for, mentored, and loved.

FUTURE MEETINGS AND PAST MEETINGS

FUTURE MEETINGS OF THE SOCIETY

BIRMINGHAM, AL

University of Alabama, Birmingham
May 15-17, 2026

PROVIDENCE, RH

Brown University
May 21-23, 2027

LOS ANGELES, CA

University of California, Los Angeles
2028

PAST MEETINGS

All past meetings of The Society of Neurological Surgeons can be found on the SNS website at:
societyofneurosurgeons.org/meetings/past-meetings.



INTRODUCTION

The SNS has unique organizational qualities derived from serving as the representative society for residency program directors and academic department chairs of neurological surgery. This requires the highest standards for professional conduct appropriate to set an example in the education of future neurosurgeons and to avoid conflicts of interest amongst neurosurgical educators.

On July 26, 2018, the SNS proposed that the One Neurosurgery Summit create a Professionalism Task Force representing the Summit organizations. This task force developed the One Neurosurgery Summit Professionalism and Harassment Model Policy. The intention was that each organization would then utilize and adapt the model policy as required for the special characteristics of its own organization, membership, and By-Laws. The following policies utilize the same definitions included in the One Neurosurgery Summit Professionalism and Harassment Model Policy.

POLICY

1. Participants of any SNS or SNS sponsored event will not engage in any behavior that will undermine or interfere with the goals and purposes of the event including, but not limited to:
 - 1.1. The use of offensive or insensitive language or behavior;
 - 1.2. The use of denigrating comments based on race, national or ethnic origin, color, religion, age, sex, sexual orientation, gender or disability; or
 - 1.3. Harassment, threatening behavior or similar intimidation, or assault of other participants.
2. The SNS endorses a Code of Conduct that requires equal and respectful treatment of others, non-harassment, and non-retaliation, as well as ethical and professional behavior in the conduct of patient care and other professional activities.
 - 2.1. All participants of any SNS event will sign an acknowledgment of willingness to adhere to the meeting policy regarding harassment.
 - 2.2. All SNS members and SNS event participants will be provided this Code of Conduct at the time of event registration and the Code of Conduct will be posted on the event site and in the appropriate location on the SNS website.
 - 2.3. The SNS will also review the submission of any finding by a relevant professional body of unethical or unprofessional behavior by an SNS member in the conduct of patient care or other professional activities. Such professional bodies include but are not limited to state medical boards and licensing agencies, the medical executive committee of the hospital at which the member practices, the American Board of Neurological Surgery, and/or the American Association of Neurological Surgeons (AANS) Professional Conduct Program.
3. The SNS will provide a specific mechanism for reporting conduct that violates the Code of Conduct that will be easily accessed by all members and event participants.
 - 3.1. Any urgent or emergent issues will be addressed by calling 911.
 - 3.2. Any immediately threatening issues will be addressed by calling 911 or other authorities (police).
 - 3.3. A mechanism for protecting the identify of any individual reporting conduct that violates the Code
 - 3.4. Investigation and adjudication will be through a special task force appointed by the President of the SNS to include the Secretary (who will serve as Chair), the President-Elect and 3 additional SNS members in good standing. If the alleged violation relates to diversity or gender, then the task force will make every effort to include representation from that community.
 - 3.5. Accused members will be given the opportunity to make a written or oral statement to the special task force before any task force recommendations are made.
 - 3.6. The Task Force will collect preliminary information from pertinent individuals in written form and then within 3 months make a preliminary recommendation to the Executive Council.
 - 3.7. Where appropriate, the SNS President may additionally or alternatively refer concerns

SNS PROFESSIONALISM POLICY

- for review by an appropriate external body, including but not limited to the AANS Professional Conduct Program.
- 3.8. The SNS Task Force and/or a delegated review body will share findings and make recommendations for action to the SNS Executive Council (SNS Bylaws, Article II, Section B.6).
 - 3.9. An accused member, who after full review and recommendation by the special task force is subject to action by the SNS Executive Council, may request the opportunity to submit a written appeal. The Council will review appeals and provide timely responses to accused members.
 4. Code of Conduct violation reports should be directed through regular or electronic mail or by telephone to an SNS officer, or through submission of an online complaint form. The online complaint form will be present on the SNS website and a link to it will be included in Code of Conduct materials distributed at SNS events.
 5. The SNS will develop or obtain educational material with review required for all Executive Committee members, committee chairs, course directors and holders of other leadership positions prior to assuming duties. Repeat training will be required every 5 years for individuals with ongoing SNS leadership roles.
 6. Individuals reporting Code of Conduct Violations will be protected in the same manner as all reporters and whistleblowers:
 - 6.1. Individuals will be protected from retaliation for reporting in good faith behavior or information which the individual reasonably believes is a violation of this policy.
 - 6.2. To the extent appropriate, the host organizations will endeavor to keep complaints, investigations and any findings related thereto confidential.
 7. The SNS will designate one member of the Annual Meeting Program Committee (or equivalent for other SNS events) to monitor the content of all presentations for compliance with the Code of Conduct. The Chair of the Committee on Resident Education the CoRE subcommittee chairs will serve the same role for SNS curricular materials under their purview.
 - 7.1. The relevant event planning committee will review possible Code of Conduct violations.
 - 7.2. The event planning committee will report to the violation to the SNS President and Secretary with a recommendation for an appropriate course of action to include:
 - 7.2.1. Letter of information;
 - 7.2.2. Letter of reprimand;
 - 7.2.3. Temporary removal from participation in SNS events in a leadership or teaching capacity;
 - 7.2.4. Or permanent removal from participation in SNS events in a leadership or teaching capacity
 - 7.3. Two thirds of the voting members of the SNS Executive Committee may approve final recommendations for action.
 - 7.4. This process will be completed within 6 months of each SNS event.
 8. SNS event planning committees will evaluate all social components of educational events to assure their suitability, promote standards of professionalism, and reduce risk for violation of the Code of Conduct:
 - 8.1. Special attention will be given to social events involving alcohol where residents or junior neurosurgeons directly interact with senior neurosurgeons.
 - 8.2. Duration of events and the availability of alcohol should be assessed as reasonable for the purpose of the event.
 - 8.3. Alcohol will only be available with the concurrent provision of food.
 - 8.4. Event planning committees should include information about associated social components for approval by the SNS Executive Committee.
 9. Guests at any SNS event (speakers, spouses, etc.) will be held to the Code of Conduct as SNS members and may be barred by the SNS Executive Committee from future guest participation.
 10. This policy will be reviewed every 5 years after adoption.
 11. Article 11
 - 11.1 Reports of individual incidents occurring at SNS sponsored events must be made within 30 days of the event. Other reports of professional conduct violations may be made at any time.

NOTES

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SNS PROFILE UPDATES



*The Society of Neurological Surgeons is making every effort to provide its members with timely and useful communication, via email and our website. For this reason, it is particularly important for the Secretary's office to have all of your current and accurate contact and biographical information. For your convenience, please visit the SNS website at **societyns.org** to update your email address, mailing address, biography, current photograph, and other information.*

If you need further assistance, please contact the Secretary's office at:

Gregory J. Zipfel, MD

The Society of Neurological Surgeons

10 N. Martingale Rd., Suite 190

Schaumburg, IL 60173

Phone: 847-805-4515

E-mail: info@societyns.org

SAVE THE DATE

University of Alabama

Birmingham, AL

May 15-17, 2026



The Society of Neurological Surgeons
2026 Annual Meeting



The Society of
Neurological Surgeons