

# 2025 SCIENTIFIC AGENDA

*Navigating Neurosurgical Horizons: Steering Toward Excellence*



**43<sup>rd</sup> Annual Summer Meeting**  
**August 8-10, 2025**  
**Grand Hotel, Mackinac Island**

# Michigan Association of Neuro Surgeons

43rd Annual Summer Meeting

August 8-10, 2025

The Grand Hotel

## Important Information

**GRAND HOTEL DRESS CODE:** During the day, casual resort clothing is appropriate. Prior to 6:30 PM, please no midriff baring tops, sweatpants, or cut-off shorts for ladies. For gentlemen, no sleeveless shirts, sweatpants, or cut-off shorts. Because every evening at Grand Hotel is a special occasion, after 6:30 PM in main areas of the hotel dresses, skirts, blouses, dress sweaters, and dress slacks for ladies are preferred, while gentlemen are required to wear a suit or sport coat, necktie, and dress pants (no denim or shorts). This applies for all areas inside the hotel including the Parlor, Lobby, Terrace, and Main Dining Room, with the exception of the Cupola Bar. Children 12 years and older are expected to be in dress similar to adults.

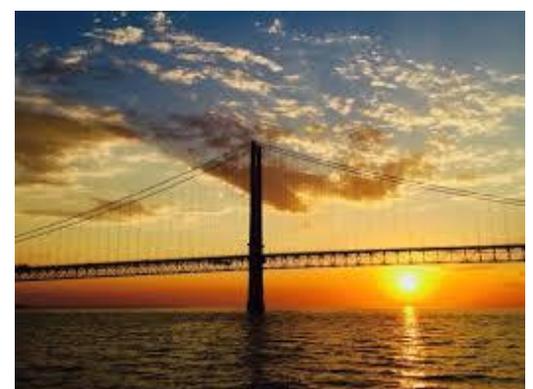
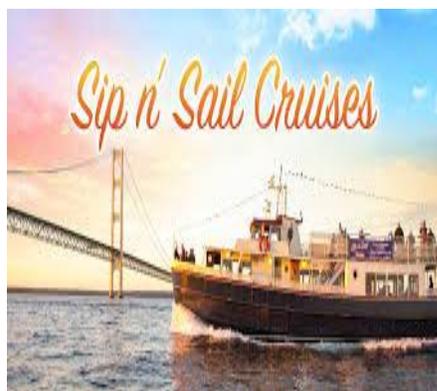
**FRIDAY EVENING:** The MANS meeting will commence on Friday, August 8th at 6:30pm with a welcome reception, followed by an informal presentation by one of our keynote speakers. This event is included for all registered attendees, but we ask that you RSVP. Please be sure you wear your name badge and have your ticket to enter. There is a fee to register a guest to accompany you for dinner.

**SATURDAY EVENING:** SipNSail Sunset Cruise (\$80 per person and pre-registration required)  
Set sail aboard a private charter and experience the magic of a Mackinac Island sunset while enjoying a bite to eat, sipping drinks, live music, and great company. Relax and unwind as you take in breathtaking views of the historic landmarks and the iconic Mackinac Bridge, all bathed in the warm glow of the setting sun.  
Check with the MANS office or onsite at the registration desk to see if tickets are still available.

**2025 BOD CANDIDATES:** Take a look at the page in the program to meet the 2025 BOD candidates and all surgeon members are allowed to vote.

**CME CREDITS:** You must fill out the evaluation/survey before August 24 to claim/obtain your CME credits.

**Wi-Fi**  
**Complimentary**  
**Sign-Up On site**





# Michigan Association of Neuro Surgeons

43<sup>rd</sup> Annual Summer Meeting  
August 8-10, 2025  
The Grand Hotel

On behalf of the Michigan Association of Neurosurgeons (MANS), it is my pleasure to extend a warm welcome to all attendees of our 43rd Annual Summer Meeting. As President, I am honored to host this gathering of distinguished neurosurgeons, advanced practice providers (APPs), medical students, and residents, all united by a shared commitment to advancing the field of neurosurgery.

This year's meeting is set to be a dynamic and enriching experience, featuring a diverse range of educational sessions, interactive panels, and invaluable networking opportunities. Our agenda covers the latest breakthroughs in neurosurgical techniques and innovations in patient care, designed to inspire, educate, and foster meaningful collaboration among colleagues. We are fortunate to have three highly esteemed keynote speakers who will share their expertise, adding depth to our discussions and sparking new ideas for the future of our field.

I encourage you to actively participate in the sessions, engage with fellow attendees, and take full advantage of the opportunity to exchange knowledge, ideas, and best practices that will shape the future of neurosurgery in Michigan and beyond.

Thank you for your participation and your ongoing contributions to the neurosurgical community. I look forward to connecting with you throughout the event and sharing in the camaraderie of our 2025 Summer Meeting.

Yours truly,



**Aditya Pandey, MD**

President of the Michigan Association of Neurological Surgeons 2023-2025

## Meet Our Keynote Speakers



**Kevin Foley, MD**

Professor  
Semmes-Murphey Clinic  
Memphis, TN

Kevin Foley, MD, a professor in the Departments of Neurosurgery and Orthopedic Surgery & Biomedical Engineering at the University of Tennessee Health Science Center in Memphis, TN. He received his medical and neurosurgical training at the UCLA School of Medicine, after which he served in the United States Army Medical Corps. Since leaving the military, Dr. Foley has been a full-time practicing neurosurgeon at Semmes Murphey Clinic, where he is chairman of the board, and has been actively involved in teaching, research and product development. His areas of interest include minimally invasive surgery, image-guided navigation, robotics, biomechanics, disc regeneration, and clinical outcomes.



**Paul Park, MD**

Professor  
Semmes-Murphey Clinic  
Memphis, TN

Paul Park, MD, a professor at the Semmes-Murphey Clinic in Memphis and is a Professor of Neurosurgery as well as the Director of Spinal Surgery at the University of Tennessee Health Science Center. He obtained a MD degree from UofM and completed a neurosurgical residency at UofM. He completed an enrolled fellowship at the Cleveland Clinic Spine Institute as well as a post-residency fellowship in minimally invasive spinal surgery at the Semmes-Murphey Clinic. Until recently, he was Professor of Neurosurgery as well as the Director of the Spine Program and Spine Fellowship Director at the UofM in Ann Arbor, where he practiced for 17 years.



**Elad Levy, MD, MDA**

Professor  
State University of NY at Buffalo  
Williamsville, NY

Elad Levy, MD, MBA Professor/Chair of Neurosurgery and the L. Nelson Hopkins Endowed Chair of the Department of Neurosurgery at the State University of New York Buffalo. He has helped develop multiple global philanthropic initiatives. He currently serves as President of the CNS and Vice Chair of the American Board of Neurological Surgery. His clinical and research interests are focused on treatment of cerebrovascular diseases, specifically aneurysm and stroke. He received the Drake Lectureship Award in 2024 and received the Dacey Medal for Outstanding Cerebrovascular Research and the Duke Samson Award for his groundbreaking work on the COMMAND trial.

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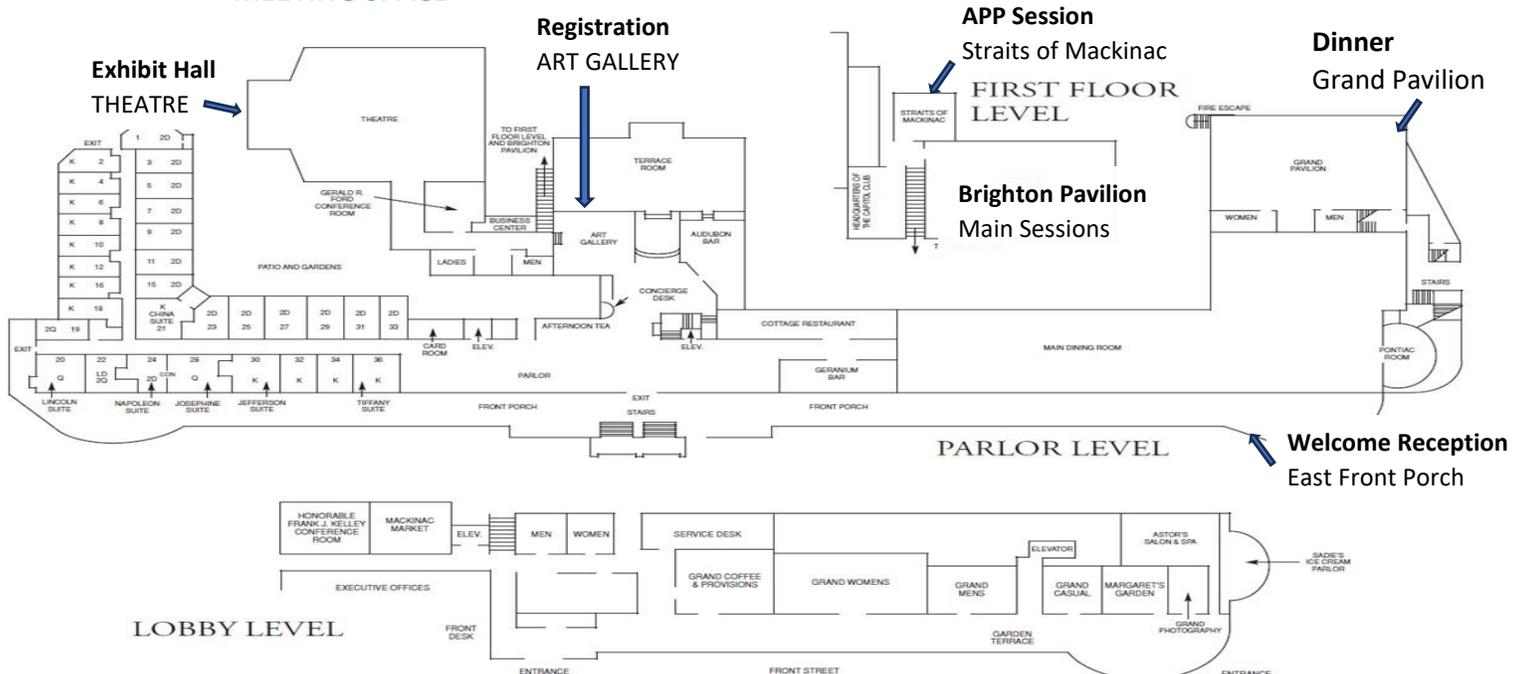


## SCIENTIFIC AGENDA

### FRIDAY, AUGUST 8

TIME	EVENT	LOCATION
4:00pm - 6:00pm	<b>Registration:</b> Get your name badge and tickets	Art Gallery
6:30pm - 7:30pm	<b>Welcome Reception:</b> Wear your name badge	East Front Porch
7:30pm - 8:15pm	<b>Dinner:</b> If you RSVP'd, your ticket is in your name badge	Grand Pavilion
8:15pm - 9:00pm	<b>Kevin Foley, MD, Keynote Speaker:</b> Impacting Neurosurgical Patient Care Through Innovation	Grand Pavilion

#### MEETING SPACE



## SATURDAY, AUGUST 9

TIME	EVENT	Location
7:00am - 8:15am	<b>Vendor Voyage: Breakfast Table Tour with Vendor Reps</b>	Theatre
7:00am - 12:00pm	Registration: Get your name badge and tickets	Art Gallery
8:15am - 9:00am	<b>Elad Levy, MD: Neuro-Endovascular in the Ambulatory Neurosurgery Center (ANSC™): Our Next Keynote Speaker</b>	Brighton Pavilion
<b>Cerebrovascular and Stroke Update</b>		
9:00 - 9:15am	<b>Dan Vollhaber, MD: Thrombectomy and Innovations and Case Examples</b>	Brighton Pavilion
9:15 - 9:30am	<b>Gary Rajah, MD: Decision Making in Rural Cerebral Aneurysm Management</b>	Brighton Pavilion
9:30 – 9:45am	<b>Jared Reese, MD: Management of Unruptured Intracranial Aneurysms</b>	Brighton Pavilion
9:45 – 10:15am	<b>Q&amp;A and Discussion</b>	Brighton Pavilion
10:15 – 11:00am	<b>Coffee Break with Exhibitors</b>	Theatre
<b>Brain Tumor Management and Pediatrics Update</b>		
11:00 – 11:15am	<b>Wajd Al-Holou, MD: Advancements in Brain Tumor Treatments</b>	Brighton Pavilion
11:15 – 11:30am	<b>Karam Asmaro, MD: Beyond the Scalpel: Endoscopic Endonasal Surgery for the Treatment of Challenging Cranial Conditions</b>	Brighton Pavilion
11:30 – 11:45am	<b>Todd Hollon, MD: How Artificial Intelligence Can Actually Help Neurosurgeons</b>	Brighton Pavilion
11:45 – 12:00pm	<b>Daniel Fahim, MD: Optimal Management of Tumors in Highly Eloquent Cortex</b>	Brighton Pavilion
12:00 – 12:15pm	<b>Suresh N. Magge, MD: Evolution in Treatment of Craniosynostosis</b>	Brighton Pavilion
12:15 – 12:45pm	<b>Q&amp;A and Discussion</b>	Brighton Pavilion
12:45 - 2:30pm	<b>Lunch with Exhibitors</b>	Theatre
2:30pm – 4:00pm	<b>Resident Abstract Presentations will start promptly at 2:40pm. MUST BE PRESENT TO VOTE</b> Each resident will have 7 minutes to present and 3 minutes for Q&A.	Brighton Pavilion

### Congratulations and Good Luck to the 2025 Resident Abstract Presenters!

We're proud to recognize the outstanding residents whose abstracts were selected for presentation at the 2025 MANS Summer Meeting.

**AWARDS:** • 1st Place Basic \$1,100 • 1st Place Science: \$1,100 • Runner up: \$800

Voting for the top resident presentations will take place during the meeting, and winners will be announced on Sun., Aug. 10 at 12:30 PM.

Best of luck to all the presenters and thank you for your contributions to the future of neurosurgery!

RESIDENT PRESENTATIONS LISTED ON THE NEXT PAGE

## SATURDAY, AUGUST 9

### RESIDENT ABSTRACT PRESENTATIONS

2:40 – 2:50pm	<b>Anisse Chaker, MD:</b> Risk Factors for Treatment Non-Response After Lumbar Surgery	Brighton Pavilion
2:50 – 3:00pm	<b>Daniel Griep, DO:</b> Early Outcomes of Metal-Free Posterior Fixation in Lumbar Spinal Stenosis with Spondylolisthesis	Brighton Pavilion
3:00 – 3:10pm	<b>Rushikesh Joshi, MD:</b> Developing an Artificial Intelligence-Based Representation Model of the Spine Using Health-System Scale Data	Brighton Pavilion
3:10 – 3:20pm	<b>Geoffrey Kahn, MD:</b> Variability in Non-Response to Treatment Among Hospitals and Ambulatory Surgical Centers	Brighton Pavilion
3:20 – 3:30pm	<b>Jordan Lam, DO:</b> Feasibility of Individualized Wireless Carbon Fiber Neural Interfaces for Brain-Computer Interfaces	Brighton Pavilion
3:30 – 3:40pm	<b>Macy Mitchell, MD:</b> Intravascular Lithotripsy Followed by Angioplasty and Stenting for Severely Calcified Carotid Artery Stenosis	Brighton Pavilion
3:40 – 3:50pm	<b>Bryce Sarcar, DO:</b> Opioid Usage and Patient Reported Outcomes of Robot-assisted Single-level Minimally Invasive Transforaminal Lumbar Interbody Fusion	Brighton Pavilion
3:50 – 4:00pm	<b>Ayobami Ward, MD:</b> dmpFES Confers Fatigue Resistance in Primate Model of Upper Extremity Paralysis in SCI	Brighton Pavilion

If you're present for the residents' abstract presentations, please scan the QR code that will be passed around just before the start of the presentations. The QR code will take you to a SurveyMonkey. Be sure to rate each resident on their presentation **BEFORE 4:30pm Today, August 9, 2025.**

**Abstract Guidelines:** Their abstract should include the following key elements:

- Reason for your work - What is the importance of this study?
- Problem - What does your work attempt to solve?
- Methodology - What is the approach that you used in your study or review?
- Results - What are findings/data that indicate the result of your work?
- Implications - What changes, if any, should be implemented because of your findings and how do your findings add to neurosurgical knowledge?

**The winners will be announced on Sunday at 12:30pm.**

**SATURDAY: 7:00pm-9:30pm – SipNSail Sunset Cruise:** Hop on our scheduled Horse Taxi's at the east end of the hotel near Sadie's Ice cream Parlor at 7pm to head to the dock. We will load the ship and depart from the Ferry dock by 8pm sharp. Food, Drinks and Live Music will be available onboard. Tickets needed to be purchased in advance and will be in your name badge sleeve.

**THIS IS A TICKETED EVENT. YOU HAD TO PURCHASE TICKET(S) IN ADVANCE.**

# CONCURRENT SESSION FOR NEURO NURSES, NP'S AND AP'S

## SATURDAY, AUGUST 9

TIME	EVENT	LOCATION
7:00am - 1:15pm	Please join the surgeons for breakfast and Guest Speaker presentations.	Brighton Pavilion
<b>12:45 - 2:30pm</b>	<b>Lunch with Exhibitors</b>	Theatre
2:30 - 2:45pm	<b>Carrie Lint, ACNP-BC &amp; Danielle Hulsebus, ACNP-BC:</b> From Clinic to Shunt: Evaluation of Normal Pressure Hydrocephalus	Straits of Mackinac
2:45 - 3:00pm	<b>Olga Klahm, MMS, PA-C:</b> Is Chiari Malformation a Big Deal?	Straits of Mackinac
3:00 - 3:15pm	<b>Lexi Carroll, PA-C:</b> External Ventricular Drains (EVD) Basics	Straits of Mackinac
3:15 - 3:30pm	<b>Patrica Molnar, NP:</b> Postoperative Radiology Review Following Cranial Surgery	Straits of Mackinac
3:30 - 3:45pm	<b>Megan Curtis, DNP, ANP-BC:</b> Preoperative Education for Spinal Fusions Yields Postoperative Benefits	Straits of Mackinac
3:45 - 4:00pm	<b>Judi Blake, PA-C:</b> Pediatric Head Trauma. Diagnostics and Management	Straits of Mackinac

### Attention Advanced Practice Providers!

The Michigan Association of Neurosurgeons (MANS) is always looking for APPs interested in presenting at our annual summer meeting. We're working to grow our APP breakout session in the coming years and would love to include your voice!

If you're interested in speaking at a future meeting, please reach out to Cindy Nack.

Our meetings are always an unforgettable weekend of education, collaboration, and connection with your surgeon partners outside of the OR.

**Let's learn, network, and grow together!**

Our goal is to increase engagement and attendance from APPs at our meetings.

**Help us spread the word by inviting other APPs who would benefit from this unique experience.**



# SUNDAY, AUGUST 10

TIME	EVENT	LOCATION
7:00 - 7:45am	<b>Breakfast with Exhibitors</b>	Theatre
7:45 – 8:30am	<b>Paul Park, MD: Are We Doing Too Much Deformity Surgery?</b> <b>Keynote Speaker</b>	Brighton Pavilion
<b>Spine Surgical Care Update</b>		
8:30 – 8:45am	<b>Yamaan Saadeh, MD: Nerve Transfers for Intrinsic Hand Function in Ulnar and Median Injuries</b>	Brighton Pavilion
8:45 – 9:00am	<b>Noojan Kazemi, MD: Surgical Treatment for Tethered Cord Syndrome</b>	
9:00 – 9:15am	<b>Daniel Carr, DO: Robotic Assisted Minimally Invasive TLIF</b>	Brighton Pavilion
9:15 – 9:30am	<b>Chris Elia, DO: Lateral Approach for Calcified Thoracic Disc</b>	Brighton Pavilion
9:30 – 9:45am	<b>Adam Robin, MD: Cesium-Based Spine Brachytherapy</b>	Brighton Pavilion
9:45 – 10:15am	<b>Q&amp;A and Discussion</b>	Brighton Pavilion
<b>Health Policy &amp; Systems Impact on Neurosurgery</b>		
10:15 – 10:30am	<b>Victor Chang, MD: MSSIC Update</b>	Brighton Pavilion
10:30 – 10:45am	<b>David Nerenz, PhD: CMS Initiatives Affecting Neurosurgery</b>	Brighton Pavilion
9:00 – 10:45am	Resident Breakout Session: Board Exam Prep and Career Development – Dr. Levy: PEARLS Succeeding in the oral board exam (if he is still here-ask him) <b>Andrea Winslow &amp; Tessa Rolleston: Compensation by Practice Model and What to Look for in a Contract</b>	Capitol Club Room
10:45 – 11:30am	<b>Coffee Break with Exhibitors</b>	Theatre
<b>Functional and Peripheral Nerve Update</b>		
11:30 – 11:45am	<b>Justine Pearl, MD: The Mystery and Mystique of Chronic Pain</b>	Brighton Pavilion
11:45 – 12:00pm	<b>Ellen Air, MD: Evolution of Image-Guided DBS Using a Skull-Mounted Frame</b>	Brighton Pavilion
12:00 – 12:30pm	<b>Q&amp;A and Discussion</b>	Brighton Pavilion
12:30 – 1:00pm	MANS Board Election Winners and Resident Abstract Winners Announced – Closing Remarks from MANS President	Brighton Pavilion
1:00pm	Meeting Adjourns	Brighton Pavilion



## CME INFORMATION

**TO CLAIM CME CREDITS:** Please complete the evaluation survey here **by August 24, 2025**  
<https://www.surveymonkey.com/r/MANS2025> or scan the QR code 



**STATEMENT OF ACCREDITATION** 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 Michigan State Medical Society and Michigan Association of Neuro Surgeons. The Michigan State Medical Society is accredited by the ACCME to provide continuing medical education for physicians.

**AMA CREDIT DESIGNATION STATEMENT** The Michigan State Medical Society designates this enduring material for a maximum of 10.75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**DISCLOSURE STATEMENT** The Michigan State Medical Society and Michigan Association of Neuro Surgeons have the responsibility to determine which financial relationships are relevant to the content of the continuing education activity, mitigate those relevant financial relationships to prevent commercial bias, and disclose the presence or absence of all relevant financial relationships to learners prior to the activity. Disclosures will be made via PowerPoint at the beginning of this conference.

**DISCLAIMER STATEMENT** The material presented at the 43rd Annual Meeting in 2025 has been made available by the Michigan Association of Neuro Surgeons and the MSMS for educational purposes only. The material is not intended to represent the only, nor necessarily the best, method or procedure appropriate for the medical situations discussed, but rather it is intended to present an approach, view, statement, or opinion of the faculty, which may be helpful to others who face similar situations.

Neither the content (whether written or oral) of any course, seminar or other presentation in the program, nor the use of a specific product in conjunction therewith, nor the exhibition of any materials by any parties coincident with the program, should be construed as indicating endorsement or approval of the views presented, the products used, or the materials exhibited by the Michigan Association of Neuro Surgeons and jointly provided by the MSMS, or its Committees, Commissions, or Affiliates.

Neither the MSMS nor the Michigan Association of Neuro Surgeons makes any statements, representations or warranties (whether written or oral) regarding the Food and Drug Administration (FDA) status of any product used or referred to in conjunction with any course, seminar or other presentation being made available as part of the Michigan Association of Neuro Surgeons Conference. Faculty members shall have sole responsibility to inform attendees of the FDA status of each product that is used in conjunction with any course, seminar or presentation and whether such use of the product is in compliance with FDA regulations.

## 2025 MANS ANNUAL MEETING LEARNING OBJECTIVES

Upon completion of this CME activity, participants should be able to:

1. Understand current key health policy topics at the federal and state level that impact neurosurgical practice daily.
2. Learn about what endovascular neurosurgery looks like in an ambulatory setting.
3. Understand recent CMS payment or quality measurement initiatives affecting Neurosurgery.
4. Outline the factors that will drive spine surgery further towards an outpatient experience.
5. Understand Steps from diagnosis to treatment from evaluation, LDT, and factors which influence decision.
6. Offer an appropriate treatment option based on their specific pathology.
7. Discuss the role of robotic assistance in current practice of MIS TLIF.
8. Review certain cranial approaches to brain tumors.
9. Evaluate recent innovations and emerging technologies in thrombectomy techniques and devices.
10. Understanding and applying the appropriate risk-mitigation surgical strategies to optimize safe resection.
11. Identify and describe recent advancements in treatments for primary and metastatic brain tumor.
12. Learn about latest developments in clinical translation of AI in neurosurgery.
13. Evaluate the indications, timing, and outcomes of various treatment modalities for craniosynostosis.

# Meet the 2025 Board of Directors Candidates

We have 5 open positions for a two-year term (2025-2027)

Three (3) neurosurgeon members (member at large/director).

One (1) Resident Representative

One Advanced Practice Provider (APP) Representative

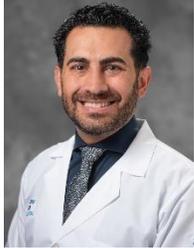
**Scan the QR code to learn more about the open board positions and each candidate.**



All Surgeon members can vote for 3 neurosurgeons, 1 Resident, and 1 APP.

If you have not voted, visit the registration desk to cast your vote before 11am on Sunday.

Winners will be announced on Sunday, August 10 at 12:30pm.



**Karam Asmaro, MD:**  
A neurosurgeon based in Royal Oak, Michigan, with a focus on minimally invasive brain and spine surgery, complemented by subspecialty training in endoscopic endonasal skull base surgery from Stanford University



**Christian Bowers, MD:**  
A neurosurgeon who is recognized as the world's leading expert on frailty's impact on neurosurgical with outcomes, more than 125 frailty-related publications in the last 4 years.



**Daniel Carr, DO:**  
A neurosurgeon with a practice based out of Michigan Spine and Brain Surgeons. He operates at Henry Ford Providence Hospitals in southeast Michigan where he takes general neurosurgery calls and performs most of his elective surgeries.



**Megan Curtis, NP:**  
A doctoral-prepared nurse practitioner with 21 years of neurosurgery experience in both simple and complex spine. She is currently practicing at UofM outpatient neurosurgery clinic, caring for patients throughout the perioperative continuum.



**Hassan Fadel, MD:**  
A current chief resident at Henry Ford Health in Detroit. His clinical interests include advanced neurosurgical oncology, emphasizing the surgical use of new and emerging technologies.



**Michael Karsy, MD:**  
A board-certified, Clinical Assistant Professor of Neurosurgery at the UofM Sparrow and the Director of Clinical Programs and Quality. He has fellowship training in the areas of complex spine and neuro-oncology/skull base.



**Carrie Lint, NP:**  
A board-certified nurse practitioner with over 25 years of specialized experience in neurosurgery, with a focus in cerebrovascular neurosurgery.



**Petrica Molnar, NP:**  
The Lead Advanced Practice Provider for Neurosurgery at Hurley Medical Center in Flint, where he directs multidisciplinary perioperative and neuro-trauma care and has introduced evidence-based protocols for the treatment of complex neurosurgical patient care.



**Lucia Zamorano, MD:**  
A Clinical Professor of Neurological Surgery at Oakland University William Beaumont School of Medicine and President and CEO of Michigan Brain and Spine Surgery Center.

**Active Surgeons members of MANS will have the privilege of voting on their favorite candidate(s).**

**The voting will close on 8/11/25 at 11am.**

**Election results will be announced during the MANS Summer Meeting on Sunday, August 10 at 12:30**

**THANK YOU**  
**TO OUR CORPORATE PARTNERS**



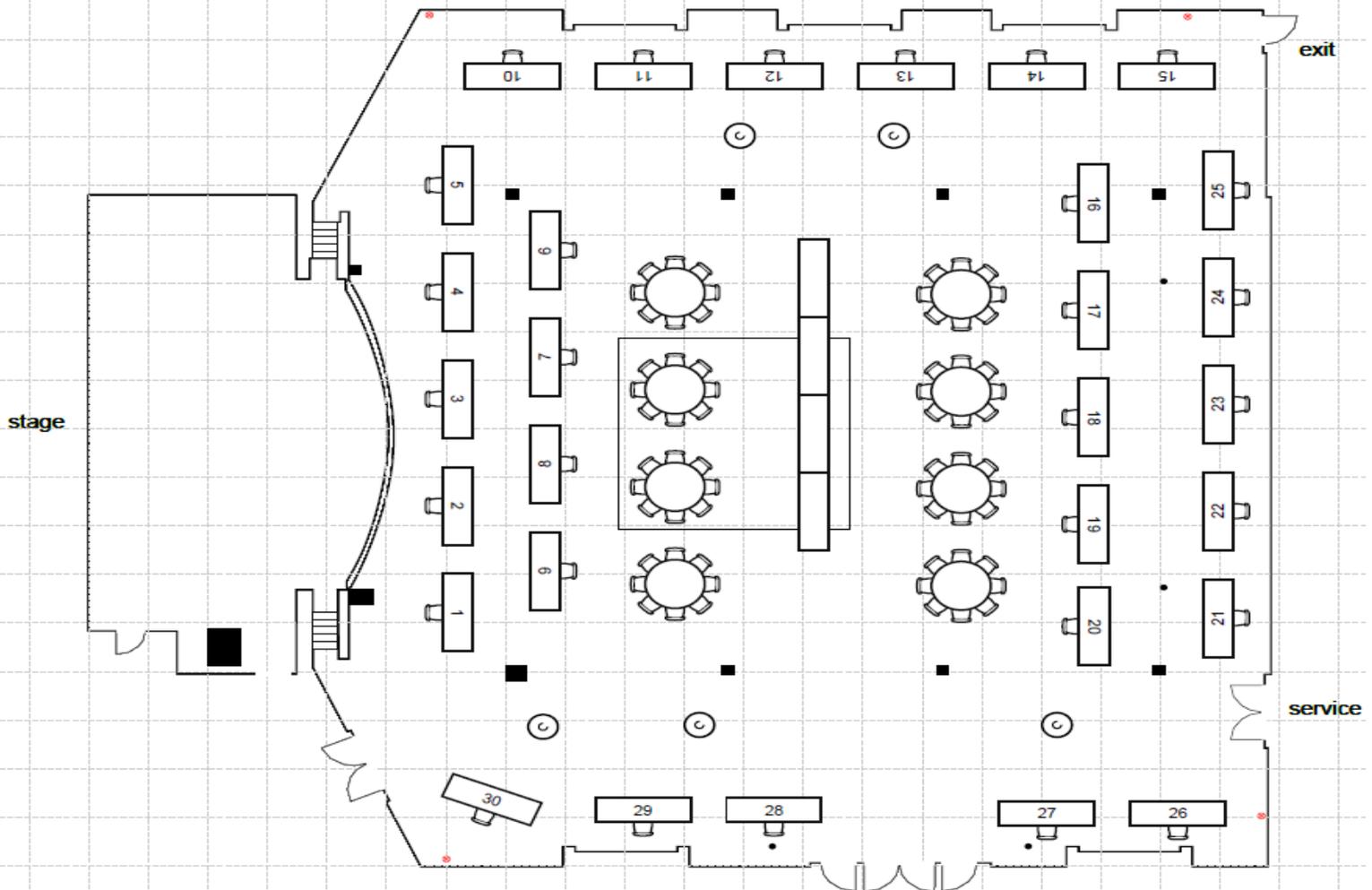
**GREAT LAKES**  
**NEUROSURGICAL**  
ASSOCIATES, P.C.



**Corewell**  
**Health**<sup>TM</sup>

# EXHIBIT HALL

## Theatre



Booth	Company	Booth	Name
1.	Medtronic	16.	Xstim
2.	Theragen	17.	Route 92 Medical
3.	Sanara MedTech	18.	Servier Pharmaceuticals
4.	Brainlab	19.	Globus
5.	Integra LifeSciences	20.	Orthofix
6.	Mary Free Bed Rehabilitation	21.	Zimmer Biomet
7.	MIMEDX Group, Inc	22.	GammaTile
8.	SI-Bone Elec	23.	RosmanSearch
9.	Befitting You Medical Supply	24.	Natus
10.	Bioventus	25.	Penumbra
11.	Enovis	26.	GE Surgery OEC
12.	Terumo Neuro	27.	Cerapedics
13.	Spineology, Inc.	28.	VB Spine
14.	Monteris Medical	29.	Stryker
15.	J&J MedTech	30.	Stryker

# Mark Your Calendar

2026 EVENTS

4<sup>th</sup> Annual Surgical Technique & Career Development – May 9



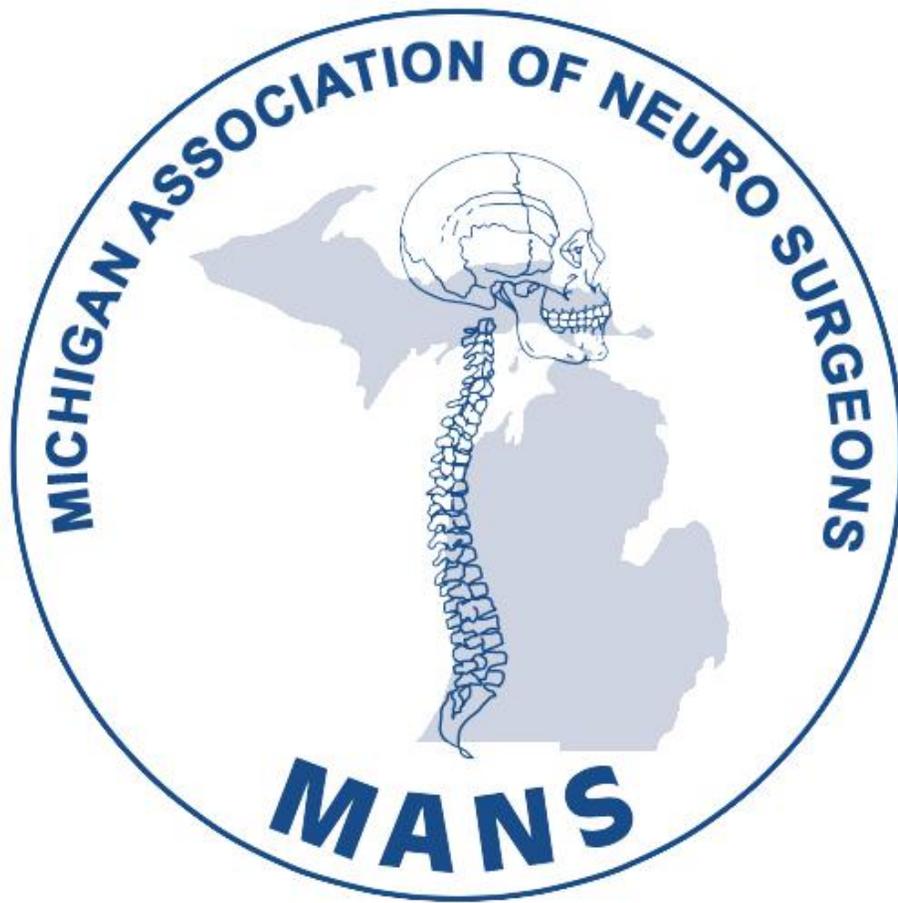
Ascension Providence Hospital, Novi  
Van Elslander Surgical Innovation Center

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44<sup>th</sup> Annual Summer Meeting  
Crystal Mountain Resort

August 14-16, 2026





Thank you to everyone who joined us this year. We truly appreciate your continued support and look forward to seeing you next year.

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Scan the QR code to claim your CME credits before  
August 24, 2025

