

**6<sup>th</sup> Annual Advances and  
Innovations in Neurosurgery 2025  
April 3-5, 2025**

**Thursday, April 3, 2025**

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7:00 a.m.	<b>Conference Registration (Pre-Function) and Breakfast (Terrace)</b>	
	<b>APP Sessions and Hands-On Workshops (Ballroom)</b>	
7:40 a.m.	<b>Welcome and Introductions</b> JoDee Winter, PA-C	
7:50 a.m.	<b>Opening Remarks</b> Bernard R. Bendok, M.D.	
8:00 a.m.	<b>Spine Trauma</b> Brad Rief, PA-C	<b>Advanced Endovascular Workshop (Separate Registration Required) (Dove Mountain 1) Part I: Stroke (8:10-9:40 am) Workshop Moderators:</b> Bernard R. Bendok, M.D., Chandan Krishna, M.D., Jaime Lopez, M.D., Ramiro Del Valle, M.D., and Alejandro Zavala, M.D.
8:20 a.m.	<b>Headache Workup and Red Flags</b> Rashmi B. Halker Singh, M.D.	
8:40 a.m.	<b>Neuroimaging</b> Serena Garcia, PA-C	
9:00 a.m.	<b>Medications and Neuro Patients</b> Harn J. Shiue, Pharm.D., R.Ph.	
9:20 a.m.	<b>Anesthetic Considerations in the Age of GLP-1 and SGLT2 Inhibitors</b> Patrick B. Bolton, M.D.	
9:40 a.m.	<b>Refreshment Break and Exhibits (Pre-Function)</b>	
9:55 a.m.	<b>Hands On Session #1: Surgical Positioning, Cranial Plating, Microscopic Suturing, Ultrasound for Intracranial Evaluation (Plaza 3)</b> Joseph B. Farnsworth, P.A.-C., Nora Schaefer, R.N., CNRN, JoDee Winter, PA-C, Miles Hudson, MD, Abhijith Bathini, MD, and Rawad Abbas, MD	<b>Advanced Endovascular Workshop Part II: Aneurysm Workshop (Dove Mountain 1) Moderators:</b> Bernard R. Bendok, M.D., Chandan Krishna, M.D., Jaime Lopez, M.D., Ramiro Del Valle, M.D., Alejandro Zavala, M.D., and Nora Schaefer, R.N., CNRN



## Friday, April 4, 2025

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- 7:00 a.m.                    **Breakfast (Terrace), Exhibits (Pre-Function), and Optional Non-CME Longeviti Neuro Solutions Product Theater (Plaza 4)**
- 7:50 a.m.                    **Daily Overview of Goals and Objectives (Ballroom)**  
Bernard R. Bendok, M.D.
- SESSION I:                    The Joy of Innovation**
- MODERATORS:**            Alejandro Zavala, M.D. and Bernard R. Bendok, M.D.
- 7:55 a.m.                    **Innovations in Neuroscience from Mexico**  
Alejandro Zavala, M.D.
- 8:05 a.m.                    **Innovations in Community Outreach in Neuro-ophthalmology**  
Marie Di Nome, M.D.
- 8:15 a.m.                    **Innovations in Neuromonitoring for the Neurosurgeon**  
Jaime Lopez, M.D.
- 8:25 a.m.                    **Innovations in Facial Pain Management**  
Richard Zimmerman, M.D.
- 8:35 a.m.                    **Proton-Beam Radiosurgery in Neurosurgery**  
Sujay Vora, M.D.
- 8:45 a.m.                    **Becoming a Healthcare Innovator and Entrepreneur**  
Stefan Madansingh, Ph.D.
- 8:55 a.m.                    **Case-Based Panel Discussion and Q&A**  
Alejandro Zavala, M.D. and Bernard R. Bendok, M.D.
- SESSION II:                    Advancement in the Treatment of Vascular Pathologies (AVM, Aneurysm, ICH)**
- MODERATORS:**            Ayan Sen, M.D. and Ramiro Del Valle, M.D.
- 9:15 a.m.                    **Critical Care Management of the Neurovascular Patient**  
Ayan Sen, M.D.
- 9:30 a.m.                    **Managing Acute ICH in the Anti-Coagulated Patient**  
Tamra Ranasinghe, M.D.

## **Friday, April 4, 2025 (continued)**

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- 9:45 a.m.                    **Minimally Invasive Options for ICH**  
Chandan Krishna, M.D.
- 10:00 a.m.                   **Innovations in Aneurysm and AVM Management**  
Bernard R. Bendok, M.D.
- 10:20 a.m.                   **Case-Based Panel Discussion and Q&A**  
Ayan Sen, M.D. and Ramiro Del Valle, M.D.
- 10:30 a.m.                   **Refreshment Break and Exhibits (Pre-Function)**
- SESSION III:**                **Innovation in Spine Care**
- MODERATORS:**            Chandan Krishna, M.D. and Joshua Bakhsheshian, M.D.
- 10:45 a.m.                   **Innovations in Spine Oncology**  
Maziyar Kalani, M.D.
- 11:00 a.m.                   **Innovations in Spinal Deformity Surgery**  
Jamal McClendon, M.D.
- 11:15 a.m.                   **Innovations in Endoscopic Spine Surgery**  
Joshua Bakhsheshian, M.D.
- 11:30 a.m.                   **Non-operative Options for Back Pain**  
Daniel Wei, M.D.
- 11:45 a.m.                   **Case-Based Panel Discussion and Q&A**  
Chandan Krishna, M.D. and Joshua Bakhsheshian, M.D.
- 12:00 p.m.                   **Lunch (Terrace), Exhibit (Pre-Function), and**  
**Optional Non-CME Medtronic Product Theater (Plaza 4)**
- 1:00 p.m.                    **Spine Hands-On Station (Dove Mountain 1&2)**  
Chandan Krishna, M.D., Joshua Bakhsheshian, M.D.,  
and Miles Hudson, M.D.,

## Friday, April 4, 2025 (continued)

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<b>SESSION IV:</b>	<b>Advances in Surgery and Neuromodulation for Epilepsy</b>
<b>MODERATORS:</b>	Alejandro Zavala, M.D., Joseph Sirven, M.D., and Richard Zimmerman, M.D.
1:45 p.m.	<b>Innovations in Seizure Prediction for Epilepsy</b> Greg Worrel, M.D., Ph.D.
2:00 p.m.	<b>Innovations of Neurophysiological Monitoring in Epilepsy Surgery</b> Joseph F. Drazkowski, M.D.
2:15 p.m.	<b>The Art of Selecting Patients for Surgery</b> Katherine Noe, M.D.
2:30 p.m.	<b>Innovations in Surgery and Neuromodulation for Epilepsy</b> Jonathon Parker, M.D., Ph.D.
2:45 p.m.	<b>Case-Based Panel Discussion and Q&amp;A</b> Alejandro Zavala, M.D., Joseph Sirven, M.D., and Richard Zimmerman, M.D.
3:00 p.m.	<b>Epilepsy Hands-On Station (Dove Mountain 1&amp;2)</b> Ramiro Del Valle, M.D., Jonathon J. Parker, M.D., Ph.D., and Alejandro Zavala, M.D.
4:30 p.m.	<b>Neurology of Winetasting - Separate Registration Required for this Optional Non-CME Activity (Plaza 4)</b> Youbirt Aissa and Jaime Lopez, M.D.
6:00 p.m.	<b>Course Reception (Brisa Lawn)</b> <b>Toward a Meaningful Life - Optional Non-CME Activity</b> <b>Guest Speaker: Fredric B. Meyer, M.D.</b>
7:30 p.m.	<b>Stargazing - Optional Non-CME Activity (Brisa Lawn)</b>

## Saturday, April 5, 2025

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- 6:00 a.m.                    **Yoga - Optional Non-CME Activity (Azura Lawn)**
- 7:00 a.m.                    **Breakfast (Terrace), Exhibits (Pre-Function), and Optional Non-CME Abbott Product Theater (Plaza 4)**
- SESSION V:                    Innovations in Skull-Base Meningioma Management (Ballroom)**
- MODERATORS:**            Ramiro Del Valle, MD and Alyx Porter, MD
- 8:00 a.m.                    **Innovations in Imaging of Meningioma**  
Tanya Rath, M.D.
- 8:15 a.m.                    **Innovations in Surgery for Meningioma**  
Bernard R. Bendok, M.D.
- 8:30 a.m.                    **Innovations in Radiotherapy for Meningioma**  
Sujay Vora, M.D.
- 8:45 a.m.                    **Innovations in Medical Therapy for Meningioma**  
Alyx Porter, M.D.
- 9:00 a.m.                    **Case-Based Panel Discussion and Q&A**  
Ramiro Del Valle, M.D. and Alyx Porter, M.D.
- SESSION VI                    Innovations in Glioma Therapy**
- MODERATORS:**            Mark Lyons, M.D., Maciej Mrugala, M.D., Ph.D., and Alejandro Zavala, M.D.
- 9:20 a.m.                    **Innovations in Glioma Therapy**  
Maciej Mrugala, M.D., Ph.D.
- 9:35 a.m.                    **Laser Ablation for Radiation Necrosis**  
Richard Zimmerman, M.D.

## **Saturday, April 5, 2025 (continued)**

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- 9:50 a.m.                    **Radiosurgery for Intraaxial Lesions**  
Ramiro Del Valle, M.D.
- 10:05 a.m.                   **Innovations in Surgery for Glioma**  
Chandan Krishna, M.D.
- 10:20 a.m.                   **Case-Based Panel Discussion and Q&A**  
Mark Lyons, M.D. and Maciej Mrugala, M.D., Ph.D.
- 10:35 a.m.                   **Refreshment Break and Exhibits (Pre-Function)**
- SESSION VII:                Craniopharyngioma**
- MODERATORS:**            Naresh Patel, M.D., Shannon Fortin-Ensign, M.D., and Jaime Lopez, M.D.
- 10:50 a.m.                   **Innovations in Endoscopic Access and Exposure**  
Devyani Lal, M.D.
- 11:05 a.m.                   **Neuro-Ophthalmology of Craniopharyngioma**  
Marie Di Nome, M.D.
- 11:20 a.m.                   **Proton-Beam for Craniopharyngioma**  
Fan Yang, M.D.
- 11:35 a.m.                   **BRAF Mutations and Innovations in Neuro-Oncology for  
Craniopharyngioma**  
Shannon Fortin-Ensign, M.D.
- 11:50 a.m.                   **Craniopharyngioma: Endocrine Perspectives**  
Aditi Kumar, M.D.
- 12:05 p.m.                   **Innovations in Neurosurgical Approaches for Craniopharyngioma**  
Bernard R. Bendok, M.D.
- 12:20 p.m.                   **Case-Based Panel Discussion and Q&A**  
Shannon P. Fortin Ensign, M.D., Ph.D. and Naresh P. Patel, M.D.
- 12:35 p.m.                   **Closing Remarks**
- 12:40 p.m.                   **Adjourn**