

***6th Annual Advances and
Innovations in Neurosurgery 2025
April 3-5, 2025***

Thursday, April 3, 2025

APP Sessions and Hands-On Workshops

7:00 a.m.	Registration / Breakfast	
7:40 a.m.	Welcome and Introductions JoDee Winter, PA-C	
7:50 a.m.	Opening remarks Bernard R. Bendok, M.D.	
8:00 a.m.	Spine Trauma Brad Rief, PA-C	Welcome and Introductions Bernard R. Bendok
8:20 a.m.	Headache Workup and Reg Flags Rashmi B. Halker Singh, M.D.	Advanced Endovascular Workshop Part I: Stroke (8:30am - 10:00am) Workshop Moderators: Bernard R. Bendok, M.D.; Chandan Krishna, M.D.; Jaime Lopez, M.D.; Ramiro Del Valle, M.D.; Alejandro Zavala, M.D.
8:40 a.m.	Neuroimaging Serena Garcia, PA-C	
9:00 a.m.	Medications and Neuro Patients Harn J. Shiue, Pharm.D., R.Ph.	
9:20 a.m.	Anesthetic Considerations in the Age of GLP-1 and SGLT2 Inhibitors Patrick B. Bolton, M.D.	
9:40 a.m.	Refreshment Break and Exhibits	

Thursday, April 3, 2025 (continued)

9: 55 a.m.	Hands On Session #1: Surgical Positioning, Cranial Plating, Microscopic Suturing Joseph B. Farnsworth, P.A.-C.; Nora Schaefer, R.N., CNRN; JoDee Winter, PA-C	Advanced Endovascular Workshop Part II: Aneurysm (10:00am-12:00pm) Workshop Moderators: Bernard R. Bendok, M.D.; Chandan Krishna, M.D.; Jamie Lopez, M.D.; Ramiro Del Valle, M.D.; Alejandro Zavala, M.D.; Nora Schaefer, R.N.; CNRN
11:50 p.m.	Lunch and Exhibits (Product Theater)	
12:50 p.m.	Neuroophthalmology Marie Di Nome, M.D. and Melinda R. Sickel, C.O.A.	Advanced Bypass Workshop Part I (1:00pm - 3:15pm) Workshop Moderators: Bernard R. Bendok, M.D.; Chandan Krishna, M.D.; Jaime Lopez, M.D.; Ramiro Del Valle, M.D.; Alejandro Zavala, M.D.
1:50 p.m.	Intracranial Pressure Management Chris Tran, DNP	
2:10 p.m.	Carotid Disease and Treatment Options JoDee Winter, PA-C	
2:30 p.m.	Neuroinfections and Meningitis Christopher F. Saling, M.D.	
2:50 p.m.	Refreshment Break and Exhibits	
3:05 p.m.	Hands On Session #2: Headframe Application, Suturing, Shunt Programming, Stealth Localization Joseph B. Farnsworth, P.A.-C.; Nora Schaefer, R.N., CNRN; JoDee Winter, PA-C	Advanced Bypass Workshop Part II (3:15pm - 5:00pm) Workshop Moderators: Bernard R. Bendok, M.D.; Chandan Krishna, M.D.; Jaime Lopez, M.D.; Ramiro Del Valle, M.D.; Alejandro Zavala, M.D.
5:00 p.m.	Adjourn	

Friday, April 4, 2025

- 7:00 a.m. **Breakfast (Product Theater)**
- 7:50 a.m. **Daily Overview of Goals and Objectives**
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**
Bart Demaerschalk, M.D.

Friday, April 4, 2025 (continued)

- 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.
- 10:15 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**
- 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 and Exhibits (Product Theater)**
- 1:00 p.m. **Spine Hands-On Station**
Chandan Krishna, M.D. and Joshua Bakhsheshian, M.D.

Friday, April 4, 2025 (continued)

SESSION IV: Advances in Surgery and Neuromodulation for Epilepsy

MODERATORS: Alejandro Zavala, M.D.; Joseph Sirven, M.D. and Richard Zimmerman, M.D.

- 1:45 p.m. **Innovations in Seizure Prediction for Epilepsy**
Greg Worrel, M.D., Ph.D.
- 2:00 p.m. **Innovations of Neurophysiological Monitoring in Epilepsy Surgery**
Joseph F. Drazkowski, M.D.
- 2:15 p.m. **The Art of Selecting Patients for Surgery**
Katherine Noe, M.D.
- 2:30 p.m. **Innovations in Surgery and Neuromodulation for Epilepsy**
Jonathon Parker, M.D., Ph.D.
- 2:45 p.m. **Case-Based Panel Discussion and Q&A**
Alejandro Zavala, M.D.; Joseph Sirven, M.D. and Richard Zimmerman, M.D.
- 3:00 p.m. **Epilepsy Hands-On Station**
Ramiro Del Valle, M.D.; Joseph Sirven, M.D.; Alejandro Zavala, M.D. and Jonathon Parker, M.D., Ph.D.
- 4:30 p.m. **(Optional non-CME Activity) Neurology at Winetasting – Separate Registration Required**
Youbirt Aissa and Jaime Lopez, M.D.
- 6:00 p.m. **Welcome Reception**
Toward a Meaningful Life: Fred Meyer, M.D.

Saturday, April 5, 2025

7:00 a.m. **Continental Breakfast, Exhibits, and Product Theater**

SESSION V: Innovations in Skull-Base Meningioma Management

MODERATORS: Ramiro Del Valle, MD and Alyx Porter, MD

8:00 a.m. **Innovations in Surgery for Meningioma**
Bernard R. Bendok, M.D.

8:15 a.m. **Innovations in Imaging of Meningioma**
Tanya Rath, 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)

- 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**
- SESSION VII: Craniopharyngioma**
- MODERATORS:** Naresh Patel, M.D. and Shannon Fortin-Ensign, M.D., Jaime Lopez, M.D.
- 10:50 a.m. **Innovations in Endoscopic Access and Exposure**
Devyani Lal, M.D.
- 11:05 a.m. **Proton-Beam for Craniopharyngioma**
Fan Yang, M.D.
- 11:20 a.m. **BRAF Mutations and Innovations in Neuro-Oncology for
Craniopharyngioma**
Shannon Fortin-Ensign, M.D.
- 11:35 p.m. **Craniopharyngioma: Endocrine Perspectives**
Aditi Kumar, M.D.
- 11:50 a.m. **Innovations in Neurosurgical Approaches for Craniopharyngioma**
Bernard R. Bendok, M.D.
- 12:05 p.m. **Neuro-Ophthalmology of Craniopharyngioma**
Marie Di Nome, M.D.
- 12:20 p.m. **Case-Based Panel Discussion and Q&A**
Ramiro Del Valle, M.D. and Alyx Porter, M.D.
- 12:35 p.m. **Closing Remarks**