Thursday, April 4, 2024

7:00 a.m.  Registration, Continental Breakfast, and Exhibits

8:00 a.m.  Welcome and Introductions
Bernard R. Bendok, M.D.

8:05 a.m.  Course Overview, Daily Goals, and Objectives
Bernard R. Bendok, M.D.

SESSION I:  Artificial Intelligence in Neurosurgery and Neurology

MODERATOR(S): Ramiro Del Valle, M.D.; Alejandro Zavala, M.D.; Chandan Krishna, M.D.; and Bernard R. Bendok, M.D.

8:15 a.m.  Artificial Intelligence in Medicine
Bhavik N. Patel, M.D., M.B.A.

8:30 a.m.  Artificial Intelligence for the Diagnosis and Management of Aneurysms
Bernard R. Bendok, M.D.

8:45 a.m.  Artificial Intelligence Applications in Neurosurgery
Devi P. Patra, M.B.B.S.

9:00 a.m.  Artificial Intelligence Round Table Panel Discussion
Speakers and Moderators

SESSION II:  Spine and Peripheral Nerve Oncology

MODERATOR(S): Shannon P. Fortin Ensign, M.D., Ph.D. and Shelley S. Noland, M.D.

9:20 a.m.  Spine Oncology Recent Surgical Innovations
Maziyar A. Kalani, M.D.
Thursday, April 4, 2024 (continued)

9:35 a.m.  Peripheral Nerve Tumors
Robert J. Spinner, M.D.

9:45 a.m.  Radiotherapy and Proton Beam for Spine and Peripheral Nerve Oncology
Sujay A. Vora, M.D.

10:00 a.m.  Round Table Panel Discussion
Speakers and Moderators

10:20 a.m.  Refreshment Break and Exhibits

SESSION III:  Innovations in Spine Care Management


10:35 a.m.  Innovations in Neuromonitoring in Spinal Surgery
Jaime Lopez, M.D.

10:45 a.m.  Pediatric and Adult Deformity
Jamal McClendon Jr., M.D.

10:55 a.m.  Robotics in Spine Surgery
Chandan Krishna, M.D.

11:05 a.m.  Advances in Neuromodulation for Back Pain
Naresh P. Patel, M.D.

11:15 a.m.  Innovations in Pain Management
Christopher S. Wie, M.D.

11:25 a.m.  Case-Based Panel Discussion and Q&A
Speakers and Moderators

11:55 a.m.  Spine Hands-On Workshop #1 | Spine Hands-On Workshop #2
Bernard R. Bendok, M.D., Chandan Krishna, M.D., Jamal McClendon Jr., M.D., Maziyar A. Kalani, M.D.; Nora J. Schaefer, R.N., CNRN

12:55 p.m.  Lunch and Exhibits (Product Theater)
Thursday, April 4, 2024 (continued)

1:55 p.m.  APP Session Opening Remarks  
JoDee A. Winter, P.A.-C.

2:00 p.m.  Examination of Neck and Shoulder Complaints  
Susan M. Lemens, P.A.-C.

2:20 p.m.  Epilepsy Surgery  
Taylor A. Phelps, P.A.-C.

2:40 p.m.  TBD  
Lexi Adamski, P.A.-C.

3:00 p.m.  Shunts  
JoDee A. Winter, P.A.-C.

3:20 p.m.  Trigeminal Neuralgia Diagnosis and Treatment Options  
Maggie A. Weeks, P.A.-C., M.S.

3:40 p.m.  APP Hands-On Stations:  

1) Headframe Application  
2) Cranial Plating  
3) Virtual Reality Walkthrough

5:00 p.m.  Adjourn
Friday, April 5, 2024

Neurology Sessions

7:00 a.m. Continental Breakfast and Exhibits

8:00 a.m. Daily Overview of Goals and Objectives
Bernard R. Bendok, M.D.

SESSION IV: Innovations in Neurophysiological Monitoring and Epilepsy Surgery

MODERATOR(S): Joseph I. Sirven, M.D.; Richard S. Zimmerman, M.D.; Jaime Lopez, M.D.; and Alejandro Zavala, M.D.

8:15 a.m. Technological Advancements in Epilepsy Neuromodulation: Focal, Regional, & Global Approaches
Jonathon J. Parker, M.D., Ph.D.

8:30 a.m. Intersections of Neurophysiology and Neurosurgery
Joseph I. Sirven, M.D.

8:45 a.m. Innovations in Neurophysiological Monitoring for Neurosurgery
Jaime Lopez, M.D.

9:00 a.m. Round Table Panel Discussion
Speakers and Moderators

SESSION V: Neurovascular: Acute Stroke Intervention

MODERATOR(S): Robert J. Spinner, M.D. and Ayan Sen, M.D.

9:15 a.m. Telehealth in Stroke Management
Bart Demaerschalk, M.D.

9:30 a.m. The Impact of Dr. Thor Sundt on Neurosurgery and Vascular Neurosurgery
Robert J. Spinner, M.D.

9:45 a.m. Carotid Disease Management
Chandan Krishna, M.D.

10:00 a.m. IA Stroke Therapy
Ali Turkmani, M.D.

10:15 a.m. Vagus Nerve Stimulation for Stroke
Jonathon J. Parker, M.D., Ph.D.
10:30 a.m.  Case-Based Panel Discussion and Q&A
Speakers and Moderators

10:45 a.m.  Refreshment Break and Exhibits

SESSION VI:  Neurovascular: Aneurysm and AVM Innovations

MODERATOR(S):  Robert J. Spinner, M.D. and Ayan Sen, M.D.

11:00 a.m.  Subarachnoid Hemorrhage Management
Ayan Sen, M.D.

11:15 a.m.  Familial Aneurysms and Arteriovenous Malformations
Devi P. Patra, M.D.

11:30 a.m.  Innovations in Aneurysm Management
Bernard R. Bendok, M.D.

12:00 p.m.  Advances in Arteriovenous Malformations Management
Bernard R. Bendok, M.D.

12:15 p.m.  Case-Based Panel Discussion and Q&A
Speakers and Moderators

12:30 p.m.  Lunch and Exhibits (Product Theater)

1:30 p.m.  Cranial Hands-On Workshops:
Bypass, Endovascular, Epilepsy Stations
Chandan Krishna, M.D.; Joseph I. Sirven, M.D.;
Devi P. Patra, M.B.B.S.; Benard R. Bendok, M.D.; and
Jonathon J. Parker, M.D.; Nora J. Schaefer, R.N., CNRN

3:00 p.m.  Adjourn

6:00 p.m.  Dinner
Invited Guest Speaker: Robert J. Spinner, M.D.
Saturday, April 6, 2024

7:00 a.m.  Continental Breakfast and Exhibits

8:00 a.m.  Daily Overview of Goals and Objectives
Bernard R. Bendok, M.D.

SESSION VII:  Tumor and Skull Base Session

MODERATOR(S):  Robert J. Spinner, M.D.

8:15 a.m.  Medical Management of Pituitary Adenomas
Aditi Kumar, M.B.B.S.

8:30 a.m.  Neuro-ophthalmology of Pituitary Tumors
Marie A Di Nome, M.D.

8:45 a.m.  Advances in Endoscopic Approaches to the Sella
Amar Miglani, M.D.

9:00 a.m.  Innovations in Pituitary Surgery
Bernard R. Bendok, M.D.

9:15 a.m.  When a Headache is Not Just a Headache
Rashmi B. Halker Singh, M.D.

9:25 a.m.  Case-Based Panel Discussion and Q&A
Speakers and Moderators

SESSION VIII:  Chordomas

MODERATOR(S):  Maciej M. Mrugala, M.D., Ph.D.

9:35 a.m.  Medical Options and Clinical Trials for Chordomas
Maciej M. Mrugala, M.D., Ph.D.

9:50 a.m.  Surgical Management for Chordomas
Bernard R. Bendok, M.D.

10:05 a.m.  Radiotherapy for Chordomas
Sameer R. Keole, M.D.
Saturday, April 6, 2024 (continued)

10:20 a.m.  Case-Based Panel Discussion and Q&A
            Speakers and Moderators

10:35 a.m.  Refreshment Break and Exhibits

SESSION IX:  Acoustic Neuromas

MODERATOR(S):  Shannon P. Fortin Ensign, M.D., Ph.D.

10:50 a.m.  Radiosurgery for Acoustic Neuromas
            Ramiro Del Valle, M.D.

11:05 a.m.  Translabyrinthine Approaches
            Nicholas L. Deep, M.D.

11:20 a.m.  Retrosigmoid Approach
            Bernard R. Bendok, M.D.

11:35 a.m.  Medical Options and Clinical Trials for Acoustic Neuromas
            Shannon P. Fortin Ensign, M.D., Ph.D.

11:50 a.m.  Tumor Board
            Speakers and Moderators

12:35 p.m.  Closing Remarks

12:40 p.m.  Adjourn