Friday, July 22, 2022

7:00 am-8:00 am Continental Breakfast and Meet with Exhibitors

8:00-8:15 am Welcome and Opening Remarks
Mark Iantosca, MD, PNS President
Scott Simon, MD, PNS Program Chair

8:15 - 9:20 am Expert Panel with Audience Voting: Degenerative Spine
Moderator: Alexander Yu, MD
Panel: William Welch, MD, Bong-Soo Kim, MD, Brandon Kujawski, MD, John Keller, MD

9:20 – 10:30 am Expert Panel with Audience Voting: Neurosurgical Oncology
Moderator: Brad Zacharia, MD
Panel: Edward Monaco, MD, PhD, Alexander Yu, MD, Nduka Amankulor, MD, Walter Jean, MD

10:30 – 10:45 am Break with Exhibitors

10:45 – 11:45 am Expert Panel with Audience Voting: Pediatric Neurosurgery
Moderator: Elias Rizk, MD
Panel: Alexander Tucker, MD, Benjamin Kennedy, MD, Tracy Flanders, MD, Shih-Shan Chen, MD

11:45 – 12:45 pm Lunch

12:45 – 1:00 pm Annual Business Meeting
Mark Iantosca, MD, PNS President

1:00 – 1:15 pm PA Legislative Update
David Thompson

1:15 – 1:30 pm Washington Update
Clemens Schirmer, MD, PhD

1:30 – 2:30 pm Expert Panel with Audience Voting: Head Trauma
Moderator: Haejoe Park, MD
Panel: Philip Villanueva, MD, Justin Davanzo, MD, Joseph Zacko, MD
2:30 – 2:45 pm  Break with Exhibitors

2:45 – 3:45 pm  **Expert Panel with Audience Voting: Functional Neurosurgery**  
Moderator: Justin Davanzo, MD  
Panel: Chengyuan Wu, MD and Phillip Lee, MD

3:45 – 4:00 pm  Break

4:00 – 5:00 pm  **Expert Panel with Audience Voting: Cerebrovascular**  
Moderator: Ephraim Church, MD  
Panel: Clemens Schirmer, MD, PhD, Stavropoula Tjmakaris, MD, Brian Jankowitz, MD

5:15 – 6:15 pm  Reception

**Saturday, July 23, 2022**

7:00 - 8:00 am  Continental Breakfast

7:55 - 8:00 am  **Welcome and Introductions**  
Scott Simon, MD, *PNS Program Chair*

8:00 - 9:30 am  **Oral Abstract Presentations**  
Moderator: Ephraim Church, MD

8:00 – 8:08 am  Chronic Encapsulated Expanding Hematomas as a Rare Delayed Complication of Stereotactic Radiosurgery for Intracranial Arteriovenous Malformations: A Multicenter International Study  
Arka N. Mallela, MD, MS, University of Pittsburgh Medical Center

8:08 – 8:16 am  Duration of Postoperative Recovery Period Correlates with Experiencing Subsequent Functional Decline  
Daksh Chauhan, BS, Perelman School of Medicine at the University of Pennsylvania

8:16 – 8:24 am  Risk Analysis of Antithrombotic Agents Use During Radiosurgery for Brain Metastases: A Propensity Matched Analysis  
Zachary Freedman, BS, Penn State College of Medicine

8:24 – 8:32 am  Precision Medicine for Meningiomas: Machine Learning Using Radiomic Feature Analysis Identifies Ki-67 Proliferative Index as a Prognostic Marker of Post-Operative Outcomes  
Omadiyya Khanna, MD, Thomas Jefferson University Hospital

8:32 – 8:40 am  Lumbar Plexus Safe Working Zones with Lateral Lumbar Interbody Fusion: A Systematic Review and Meta-Analysis  
Dallas Kramer, MD, Allegheny General Hospital
8:40 – 8:48 am  
**Gamma Knife Radiosurgery for Meningiomas of the Confluence of the Falx and Tentorium: A 34-Year Experience**  
Arka Mallela, MD, MS, University of Pittsburgh Medical Center

8:48 – 8:56 am  
**Non-Invasive Biomarker for Differentiating Neurofibroma/Schwannoma From Other Solid Mass Mimics**  
Neel Patel, MD, Penn State Hershey Medical Center

8:56 – 9:04 am  
**Resection Cavity Dynamics and Optimal Timing of Adjuvant Stereotactic Radiosurgery for Resected Brain Metastases**  
Sujay Rajkumar, BA, Drexel University College of Medicine

9:04 – 9:12 am  
**Real World Utility of Next-Generation Sequencing in Neuro-Oncology Patients**  
Kent Richter, MD, Geisinger Medical Center

9:12 – 9:30 am  
Q & A

9:30 - 9:45 am  
Break

9:45 – 11:00 am  
**Keynote Address - The Conquest of Mexico: Five Centuries of Flawed Data and Fake News**  
Introduction: Scott Simon, MD  
Address: Matthew Restall, PhD

11:00 - 12:00 pm  
**Expert Panel with Audience Voting: Spine Trauma**  
Moderator: Diano Jho, MD  
Panel: Joseph Zacko, MD, Haejoe Park, MD, Pawel Ochalski, MD, Keith Kuhlengel, MD

12:00 -12:15 pm  
**Awards Announced**  
Ephraim Church, MD

12:15 pm  
**Adjournment**