

106TH ANNUAL SCIENTIFIC MEETING

JULY 12-13, 2019

THE HERSHEY HOTEL
100 HOTEL ROAD
HERSHEY, PA 17033

2019 PNS Annual Scientific Meeting Agenda

Friday, July 12

- 7:00-8:30am Continental Breakfast and **Meet with Exhibitors**
- 7:50-8:00am **Welcome and Opening Remarks**
Neil R. Malhotra, MD, *PNS Program Chair 2017-2019*
Shelly Timmons, MD, *President, PNS*
- 8:00 - 9:20am **High Impact Literature Update** 1.25 CME
Overview and critical analysis of high-impact publications in:
Moderator: Jody Leonardo, MD, *PNS Program Vice Chair*
Tumor (Intracranial/Skull Base): Alex Yu, MD
Spine: Mauricio Campos Benitez, MD
Functional (Movement Disorders; Epilepsy; Pain): Phillip Lee, MD
Endovascular/Stroke: Mandy Binning, MD
- 9:20 – 10:20 am KEYNOTE: **Unbearable Lightness of Honesty in Neurosurgical Complications** 1 CME
Speaker: Anil Nanda, MD
This session will discuss complications in neurosurgery.
- 10:20 – 11:00am Break with Exhibitors
- 11:00 – 11:45am **AANS/CNS Washington Committee: The Who, What, Where, When, Why & How** .75 CME
Speaker: Katie O. Orrico
The presentation will include an overview of the history and organizational structure of the AANS/CNS Washington Committee, and the committee's current legislative and regulatory policy priorities.
- 11:45am-12:15pm **Washington Committee Update** .5 CME
Speaker: Clemens Schirmer, MD
Update from Washington Committee.
- 12:15 – 1:15pm **Lunch**

- 1:15 – 1:30pm **Annual Business Meeting** .25 CME
Speaker: Shelly Timmons, MD, *President, PNS*
- 1:30 – 2:15pm **Information, Incentives, and Organizational Structure as Drivers of Hospital Cost** .75 CME
Speaker: Ashley Swanson, PhD
Using unique new data containing supply purchase orders from a large sample of U.S. hospitals, we have demonstrated that hospitals pay dramatically different prices in numerous diverse medical technology markets, ranging from commodities like surgical gloves to expensive, branded physician preference items like coronary stents. In a series of papers, whether and how information, organizational characteristics, and incentives impact supply contracts and, in turn, hospital costs, are examined.
- 2:15 – 3:00pm **The Intersection of Health Policy and Practice and Practical Implications for Healthcare** .75 CME
Speaker: Kathy Boockvar, Pennsylvania Department of State, Acting Secretary of the Commonwealth
Governor Wolf's administration and the PA Department of State believe strongly that healthcare policy and practice are and must be interconnected. Policymakers- whether in the executive or legislative branch - cannot create effective, safe health policies if they are not hearing from a wide mix of practitioners and consumers on the impact of these policies, and the direct and indirect consequences on the provision of care to patients. Consequently, it is imperative that medical providers, facilities, and patients speak out and play an active role and advocate to government leaders and stakeholder organizations. When this happens, the positive impact on beneficial policy and healthcare practice can be far-reaching and literally life changing.
- 3:00 – 3:30pm Break with Exhibitors
- 3:30 – 4:15pm **Nudges to Improve Provider and Patient Behaviors** .75 CME
Speaker: Mitesh Patel, MD
Medical decision-making is often suboptimal. Nudges are subtle changes to the way information is framed or choices are offered that can dramatically impact clinician decisions and patient behaviors. This talk will describe a framework for implementing nudges in health care and present examples from different clinical settings.

4:15 – 4:45pm **Seeing Beyond the Visible: Intraoperative Molecular Imaging in Brain Tumor Surgery** .5 CME
Speaker: John YK Lee, MD
Near Infrared Fluorophores provide advantages over visible light fluorophores. Combining near infrared dyes with molecular targeting offers great potential for surgical resection of brain tumors.

4:45 – 5:15pm **It's not Brain Surgery...It's just the media.** .5 CME
Speaker: Heather Zell
This presentation focuses on how physicians and hospitals can best position themselves as experts within the media to further their practice with marketing and PR tactics. The presentation will also help the attendees learn how to better tell their story, building important community relationships that can further their personal brand.

5:15 – 6:15pm Reception with Exhibitors

Saturday, July 13

7:00 - 8:00am Continental Breakfast

7:55 - 8:00am **Welcome and Intro to the Day**
Neil Malhotra, MD, *PNS Program Chair*

8:00 - 9:20am **High Impact Literature Update** 1.25 CME
Moderator: Jody Leonardo, MD, *PNS Program Vice Chair*
Overview and critical analysis of high-impact publications in:
Peripheral Nerve Surgery: Elias Rizk, MD
General/Minimally Invasive Brain: Brad Zacharia, MD
Neurotrauma/Critical Care: Chris Zacko, MD
Open Vascular: Stavropoula I. Tjoumakaris, MD, FAANS

9:20 - 10:00am **Surviving Head Injury-Compassion and Understanding** .5 CME
Speaker: Nicole Bingaman
Love Wins is the story of how a family came together in support of the son and brother they loved after a life-altering brain injury. Nicole shares her perspective including moments of absolute joy, and extreme devastation. In sharing, Nicole supports the idea that to understand brain injury, we must reveal the truth of the struggles involved.

10:00 -10:15am Break

10:15- -11:15am **Oral Abstract Presentations** 1.0 CME

Moderator: Neil Malhotra, MD, *PNS Program Chair*

10:15am Intraoperative Stimulation Threshold of the Facial Nerve in Patients Undergoing Microvascular Decompression

Michael McDowell, MD

10:25am Stentriever Salvage After Failed Manual Aspiration Thrombectomy

Daniel Tonetti, MD

10:35am Glioblastoma Organoids: A Model System for Patient Specific Therapeutic Therapy

Ryan Salinas, MD

10:45am Complications of Robotic Spine Surgery

Daniel Myers, MD

10:55am Body Mass Index (BMI) and Global Sagittal Alignment with Anterior Correction Surgery in Patients With Flat Back Syndrome

M. Burhan Janjua, MD

11:05am Mobile Device Based Screening of Prison Populations for Cognitive Impairments Using ImpACT Quick Test

Michael McDowell, MD

11:15 – 11:45am **Enhancing Quality of Neurosurgical Care. Enhanced Recovery After Surgery (ERAS) .5 CME**

Speaker: Zarina Ali, MD, MS

This presentation will discuss the principles of Enhanced Recovery After Surgery (ERAS) and describe the implementation and outcomes of this program at the University of Pennsylvania.

11:45am-12:00pm Awards Announced, CME over

Garden Terrace East

12:30 – 2:30pm **Resident Skills Session**
Dan Tonetti, MD and Vivek Buch, MD

Garden Terrace West

12:30 – 3:00pm **PA & NP Breakout Sessions**
Moderator: Eileen Maloney-Wilensky (meeting planner for this session)

12:30-1:00 **EHR Modifications to Support Quality Improvement and Clinician Wellness. The EpiLog Project**
Speaker: Dimitry Petrov, MD
This presentation will discuss our experience with EMR optimization in order to increase physician wellness and clinic efficiency.

1:00-1:30 **Predictive Metrics for Patient Outcomes. Stop Bang, LACE, RAPT**
Speaker: Greg Glauser
This presentation describes how predictive metrics can be utilized in Neurosurgery. Three metrics are discussed: STOP-Bang, LACE index, and RAPT score. STOP-Bang is a tool that screens for previously undiagnosed obstructive sleep apnea. The LACE index combines numerous patient characteristics to predict patient readmission risk. Similarly, the RAPT score combines patient covariates to predict discharge disposition. This presentation details a number of studies undertaken by our research group, which analyze how these tools can be applied in Neurosurgery.

1:30-2:00 **Diagnosis and Management of Acute Care Infections**
Speaker: Lori Cox, MSN, CRNP
Healthcare acquired infections (HAIs) are frequently encountered by advanced practice providers caring for acutely and critically ill patients. These healthcare-associated infections include catheter-associated urinary tract infections, surgical wound infections, pneumonia and Clostridium difficile. They are a major challenge to patient safety and can adversely impact morbidity, mortality, length of stay and costs. The advanced practice provider has a critical role not only in diagnosing and managing these patients, but in assisting in efforts to prevent them from occurring. This presentation will provide an evidenced based approach to the diagnosis, management and prevention of the most common HAIs. The epidemiology, pathogenesis and microbiology of HAIs will also be reviewed.

2:00-2:30

SI Joint Pain

Speaker: Jeffrey Cameron, MS, PA-C

A Brief Look at low back pain and the SI Joint as a pain generator.

2:30-3:00

Patterns of Pain, an Approach to Triaging and Treating Low Back Pain

Speaker: Joshua W. Trbovich, MPAS, PA-C

The approach to triaging and treating low back pain based on the patterns of a pain approach and the work of Dr. Hamilton Hall.

3:00-3:30

Getting in Neurosurgery Research

Speaker: Ava Puccio, RN, PhD

Current overview of local site specific and national spine and TBI studies involvement. Managing a research team for enrollment and follow-up of research studies. Considerations for budget and research reimbursement