



**International Society of Pituitary Surgeons (ISPS) 2025**  
**August 21-23, 2025**  
**Prince of Wales Hotel, Niagara Falls, Ontario, Canada**



Presented by: ISPS & USC Office of Continuing Medical Education

**Thursday, August 21, 2025**

6:00-8:00 pm **Arrival and Registration – Prince of Wales Hotel**

**Friday, August 22, 2025**

6:30 am **Welcome Breakfast**

**MORNING SESSIONS**

7:30 am **Welcome and Opening Remarks**

*Nelson Oyesiku, MD, Daniel Yoshor, MD, and Gabriel Zada, MD*

**Session 1: Science and Technology**

Moderator: *Gabriel Zada, MD*

7:40 am **The ISPS – Historical Perspective**

*Nelson Oyesiku, MD*

7:50 am **Developmental Plasticity and Stromal Co-option Shape a PitNET Transcriptional Continuum**

*Manish Aghi, MD*

8:00 am **Knosp in the Age of Advanced Imaging, Endoscopy and AI**

*Timothy Smith, MD*

8:10 am **Use of Endonasal Access Devices (SpiWay) for Endonasal Operations**

*Garni Barkhoudarian, MD*

8:20 am **Fluorescence Imaging of Sellar/Suprasellar Lesions**

*John Y.K. Lee, MD*

8:30 am **Questions and Answers**

8:40 am **AI and Platform Data for Pituitary Tumor Management**

*Gelareh Zadeh, MD*

8:50 am **Digital Technologies to Advance Endoscopic Pituitary Surgery**

*Hani Marcus, MD*

9:00 am **Intraoperative Tissue Analysis**

*Alex Micko, MD*

9:10 am **Development of Artificial Intelligence Systems for Pituitary Surgery**

*Daniel Donoho, MD*

9:20 am **The RAPID Consortium: A National Platform for Pituitary Research Collaboration**

*Andrew Little, MD*

9:30 am **Questions and Answers**

9:45 am **Break**

## Session 2: Diagnostics and Functional Assessment

Moderator: Nelson Oyesiku, MD

- 10:00 am **Impact of Cabergoline Dose and Duration on Tumor Fibrosis, Clinical Outcomes, and Remission Status for Prolactinomas**  
*Adam Mamelak, MD*
- 10:10 am **Interpreting Prolactin Levels: The Stalk Effect Revisited**  
*Marvin Bergsneider, MD*
- 10:20 am **Distinguishing Prolactinomas from Nonfunctional Pituitary Adenomas in Patients with Hyperprolactinemia: Multivariate Analysis and Creation of a Predictive Nomogram**  
*Ian McCutcheon, MD*
- 10:30 am **Update on Visual Recovery After Pituitary Surgery**  
*James Chandler, MD*
- 10:40 am **Randomized Fluid Restriction Trial Postoperatively**  
*Albert Kim, MD*
- 10:50 am **Questions and Answers**
- 11:00 am **Surgical Management of Patients Presenting with DI**  
*Sandeep Kunwar, MD*
- 11:10 am **Dynamic Photon Counting CTA for Cushing Disease**  
*Jamie Van Gompel, MD*
- 11:20 am **Blocking and Tackling for a Pituitary COE: A Department Chair's Perspective**  
*John Golfinos, MD*
- 11:30 am **Mental Health Disorders in Non-Functioning Pituitary Adenoma**  
*Brad Zacharia, MD*
- 11:40 am **Regression Modeling with Convolutional Neural Network for Predicting Extent of Resection from Preoperative MRI In Giant Pituitary Adenomas**  
*Gustavo Pradilla, MD*
- 11:50 am **Questions and Answers**
- 12:00 pm **Lunch**

## Session 3: Surgical Techniques

Moderator: Daniel Yoshor, MD

- 1:00 pm **Beyond the Sella, the Essential Anatomical Considerations in Pituitary Surgery**  
*Maria Peris-Celda, MD*
- 1:10 pm **Preoperative MRI TCTI Ratio Prediction of Pituitary Adenoma Consistency Guides Resection Strategy**  
*Gabriel Zada, MD*
- 1:20 pm **EEA for Unconventional PitNets and/or Radiomics in Pituitary Surgery**  
*Domenico Solari, MD*
- 1:30 pm **Surgical Treatment of Functional PAs Invading the Cavernous Sinus: Innovations and Outcomes**  
*Juan Fernandez Miranda, MD*
- 1:40 pm **Questions and Answers**
- 1:50 pm **Anatomy of Surgery for Giant Pituitary Adenomas**  
*Atul Goel, MD*
- 2:00 pm **Surgical Strategies for Pituitary Tumors Invading the Cavernous Sinus**  
*Kosaku Amano, MD*

- 2:10 pm      **Medial Cavernous Sinus Wall Resection in Cushing Disease without CSI**  
*Stephanie Cheok, MD*
- 2:20 pm      **Skull Base Techniques in Pituitary Adenoma Surgery**  
*Georgios Zenonos, MD*
- 2:30 pm      **Questions and Answers**
- 2:40 pm      **Adjourn**  
**Transition to Niagara Falls**

#### **AFTERNOON ACTIVITIES**

- 2:45-5:45 pm    **Group Excursion to Niagara Falls**
- 6:30-9:00 pm    **Reception and Gala Dinner**

#### **Saturday, August 23, 2025**

- 7:15 am      **Breakfast**
- 7:55 am      **Welcome Back**

#### **MORNING SESSIONS**

##### **Session 4: Craniopharyngioma and Meningioma**

Moderator: *Stephanie Cheok, MD*

- 8:00 am      **Updates for Surgical Management of Craniopharyngioma**  
*Michael Chicoine, MD*
- 8:10 am      **BRAF-MEK Inhibition in Newly Diagnosed Papillary Craniopharyngiomas**  
*Pamela Jones, MD*
- 8:20 am      **Craniopharyngioma Techniques and Modern Management**  
*Paul Gardner, MD*
- 8:30 am      **Endoscopic Surgery for Pediatric Craniopharyngiomas: Hypothalamic Sparing?**  
*Hiroshi Nishioka, MD*
- 8:40 am      **Building a Pediatric Endoscopic Skull Base Practice: Lessons Learned**  
*Jacob Ruzevick, MD*
- 8:50 am      **Extended Approaches for Tuberculum Sellae Meningiomas**  
*Christina Jackson, MD*
- 9:00 am      **Questions and Answers**

##### **Session 5: Reconstruction and Recovery**

Moderator: *Jose Alberto Landero, MD*

- 9:10 am      **Applying the Reconstructive Ladder Concept to Pituitary Surgery**  
*Pablo Recinos, MD*
- 9:20 am      **Fascia Patchwork Closure with Deep Suturing for Endoscopic Endonasal Transphenoidal Surgery**  
*Masahiko Tosaka, MD*
- 9:30 am      **Pituitary Macroadenoma and Cerebral Vasospasm: Analyses of Pathophysiology and Management of an Under-Reported Complication**  
*Amir Dehdashti, MD*
- 9:40 am      **Questions and Answers**
- 9:50 am      **Break**

## Session 6: Postoperative Outcomes

Moderator: Jacob Ruzevick, MD

- 10:05 am **The Utility of Protocols for Pituitary Adenoma Surgery**  
*Donato Pacione, MD*
- 10:15 am **Impact of Socioeconomic Factors in Discharge After Pituitary Surgery**  
*Joao Paulo Almeida, MD*
- 10:25 am **Enhanced Recovery After Endonasal and Keyhole Pituitary Surgery**  
*Walavan Sivakumar, MD*
- 10:35 am **Questions and Answers**
- 10:45 am **Improving Outcomes in Acromegaly: A Proposal for ISPS Collaboration**  
*Michael Cusimano, MD*
- 10:55 am **Visual Outcomes in Prolactinoma Patients: Medical vs Surgical Management**  
*Tomas Garzon Muvdi, MD*
- 11:05 am **Considerations for Management on Recurrence of Aggressive Variants**  
*Carolina Benjamin, MD*
- 11:15 am **Questions & Discussion**
- 11:25 am **Lunch**

## Session 7: Cushing's Disease In-Depth

Moderator: TBD

- 12:35 pm **Surgical Management of Cushing's Disease**  
*Russ Lonser, MD*
- 12:45 pm **Determinants of Remission Following Transsphenoidal Surgery for Cushing's Disease**  
*Ed Vates, MD*
- 12:55 pm **MRI-negative Cushing's Disease**  
*Daniel Yoshor, MD*
- 1:05 pm **Cushing's Disease: Pseudocapsular Resection**  
*John Jane Jr., MD*
- 1:15 pm **Questions and Answers**
- 1:25 pm **Strategies to Mitigate Venous Thromboembolism in Cushing's Disease**  
*Varun Kshettry, MD*
- 1:35 pm **A Multicenter Retrospective Review of Silent ACTH PAs**  
*Ilaria Bove, MD*
- 1:45 pm **Age Dependent Variations in Cushing's Disease Clinical Phenotype and Tumor Behavior**  
*Won Kim, MD*
- 1:55 pm **Patterns of Post-Operative Cortisol Levels After Surgery for Cushing's Disease and Implications for Biochemical Cure**  
*Stephen T. Magill, MD*
- 2:05 pm **Questions and Answers**
- 2:15 pm **Defining Meaningful Biochemical Outcomes in the Surgical Treatment of Cushing Disease**  
*Michael Catalino, MD*
- 2:25 pm **Cushing's Disease: Surgical Treatment Outcomes in 166 Patients**  
*David Rojas, MD*
- 2:35 pm **Expanded Endonasal Endoscopic Surgery for Cushing Disease: The Johns Hopkins Hospital Experience**  
*Gary Gallia, MD*

2:45 pm      **Questions and Answers**

3:00 pm      **Adjourn**

#### **EVENING ACTIVITIES**

5:00-6:00 pm      **Reception – Prince of Wales Hotel**

6:00-7:30 pm      **Relaxed Evening with Dinner – Prince of Wales Hotel**

#### **Sunday, August 24, 2025**

**Departure**