

FEBRUARY 18-20, 2018

# INTERNATIONAL SOCIETY OF PITUITARY SURGEONS

## CONFERENCE PROGRAM



[www.ispsurgeons.org](http://www.ispsurgeons.org)

**Fairmont Grand Del Mar**  
5300 Grand Del Mar Court  
San Diego, California 92130



# INTERNATIONAL SOCIETY OF PITUITARY SURGEONS CONFERENCE FEBRUARY 18-20, 2018

Dear Colleagues:

## ***Welcome to the ISPS meeting!***

Since our last meeting in Liverpool in November 2015 there have been new findings and issues to discuss. Some of our technology has advanced – new endoscopes, videoscopes, microscopes and instrumentation. There have been novel biological findings, pathological updates, improved diagnosis and medications. More outcomes data, position papers and guidelines are available. We are delighted in having a joint meeting with the NASBS.

Some are attending as new and others are long standing members. We have a large meeting and we welcome everyone.

As is our custom, we encourage a lot of close discussion and information exchange. The meeting is informal and most of us are longtime friends or soon will be.

Be sure to sign the RED BOOK, attend the reception, joint activity event, gala dinner and get an ISPS tie (if you don't have one).

Thanks to our sponsors, technical partners, Pat Fitzwater and Kim Macon for their efforts in arranging the meeting.

*Best regards,*

NMO & DFK

Nelson M. Oyesiku, MD, PhD, FACS  
Al Lerner Chair and Vice-Chairman  
Professor, Neurosurgery and Medicine (Endocrinology)  
Co-Director, Emory Pituitary Center  
Department of Neurosurgery  
Emory University School of Medicine  
Editor-in-Chief, NEUROSURGERY®  
Atlanta, GA

Daniel F. Kelly, MD  
Director, Pacific Neuroscience Institute  
Professor of Neurosurgery  
John Wayne Cancer Institute  
Providence Saint John's Health Center  
Santa Monica, CA



# INTERNATIONAL SOCIETY OF PITUITARY SURGEONS CONFERENCE FEBRUARY 18-20, 2018

## AGENDA

### SUNDAY, February 18, 2018

**NASBS-Pituitary Forum | Loews Coronado Bay Hotel**

7:30 AM- **Scientific Sessions & Pituitary Forum** | Updates on Functional Adenomas

8:30 AM

8:35 AM- **Scientific Sessions & Pituitary Forum** | Avoiding Complications and Optimizing Outcome in Pituitary Surgery

9:35 AM

**ISPS Conference | Fairmont Grand Del Mar**

5:00 PM **Welcome Reception** | Atria Lawn

6:00 PM **Opening Session: COE, Registries, Technology Forum** | Manchester Salon

**Moderators** | Nelson Oyesiku, Daniel Kelly

**Welcome** | Nelson Oyesiku, Daniel Kelly

6:10 PM **ISPS History** | Edward Laws

6:20 PM **Pituitary Centers of Excellence Implementation** | Daniel Kelly, Shlomo Melmed

6:40 PM **Discussion**

7:00 PM **Buffet Dinner**

7:20 PM **Pituitary Tumor Surgery Registries** | Andrew Little, Adam Mamelak

7:40 PM **Discussion**

8:00 PM **Dessert**

8:15 PM **Endoscopic Skull Base Surgery Technology Forum** | Nelson Oyesiku (Not CME Accredited)

**Use of Intraoperative Ultrasound in Pituitary Surgery** | Hitachi Healthcare

**Adherus AutoSpray ET Dural Sealant: The Science Behind a Clinically Proven, Safe and Effective Dural Sealant** | HyperBranch Medical Technology, Inc.

**Value of 3D Endoscopy for Neurosurgery** | KARL STORZ Endoscopy-America

**SPIWay Access Guide: Advancing Endoscopic Skull Base Surgery** | SPIWay

**Precision Irrigation for Bone Dissection During High Speed Drilling in Transnasal/Pituitary Surgery** | Stryker

**Ultrasonic Bone Cutting in Transnasal/Pituitary Surgery** | Stryker

**3D and IR Visualization in the OR** | Visionsense Corp.

9:30 PM **Adjourn**

### MONDAY, February 19, 2018

7:30 AM **Registration and Continental Breakfast** | Manchester Salon

#### CASE SERIES/OUTCOMES

**Moderators** | Engelbert Knosp, Adam Mamelak

8:05 AM **GH-Prolactin Dual Staining Tumors Causing Acromegaly: A Retrospective Review of Clinical Presentations and Surgical Outcomes** | Manish Agbi

8:20 AM **Endonasal Endoscopic Treatment of Pituitary Tumors: Experience of a Brazilian University Hospital**  
Apio Antunes

8:35 AM **Inherent Tumor Characteristics Limiting Effective and Safe Resection of Giant Nonfunctioning Pituitary Adenomas**  
Hiroshi Nishioka

8:50 AM **Endoscopic Transsphenoidal Surgery of Microprolactinomas: A Reappraisal of Cure Rate Based on Radiological Criteria**  
Stefan Wolfsberger

9:05 AM **Combined Microsurgical, Endoscopic and Neuro-navigation Assisted Trans-Sphenoidal Resection of Pituitary Tumors: Our Experience** | Kenan Arnautovic

9:20 AM **The Management of Giant Pituitary Adenomas** | Fred Gentili

9:35 AM **Rathke's Cleft Cysts: A 10-year Experience of Surgery Versus Observation** | Sheri Palejwala

9:50 AM **Extent of Surgery in Endoscopic Transsphenoidal Skull Base Approaches and the Effects on Sinonasal Morbidity**  
Michael Cusimano

10:05 AM **Coffee Break**

#### CRANIOPHARYNGIOMA/SUPRASELLAR TUMORS

**Moderators** | Fred Gentili, Euihyun Kim

10:15 AM **Surgical Management of Prolactinomas, Current Indications** | Amir Dehdashti

10:30 AM **Endoscopic Endonasal Approach for Craniopharyngiomas: A Single Institution Learning Curve in 96 Patients**  
Paul Gardner

10:45 AM **Clinicopathologic Correlation of Diabetes Insipidus, the Neurosurgeon's Role** | Sandeep Kunwar

11:00 AM **Ventriculocopic Management of Third Ventricular Craniopharyngiomas** | Stephen Sullivan

11:15 AM **Break**





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## AGENDA

### DIAGNOSIS & PATHOLOGY

**Moderators** | Sandeep Kunwar, Maria Li

- 11:30 AM **Retinal Ganglion Cell Complex Analysis With Optical Coherence Tomography is More Sensitive Than Automated Perimetry to Detect Symptomatic Compression of the Anterior Visual Pathways** | Valérie Biousse
- 11:45 AM **Constructive Interference In Steady State (CISS) MRI Sequence is Superior to T1-Weighted MRI Sequence at Evaluating Cavernous Sinus Invasion by Pituitary Macroadenomas** | Pablo Recinos
- 12:00 PM **Analysis of Methods of Prognostication of Vision Outcomes in Pituitary Tumor Patients** | Howard Krauss
- 12:15 PM **Prognostic Markers of Biochemical Remission in Patients with Cushing and/or Acromegaly** | Adriana Ioachimescu
- 12:30 PM **If Not Cushing's Disease, Then What is it... Pitfalls & Dilemmas** | Daniel Kelly
- 12:45 PM **The Atypical Adenoma is Dead – Long Live the Aggressive Adenoma** | Engelbert Knosp
- 1:00 PM **Lunch Buffet**
- 2:15 PM - 4:30 PM **Joint Activity – Private Guided Hike at Torrey Pines State Natural Reserve** | Meet in hotel lobby
- 7:00 PM- 10:00 PM **Gala Dinner** | Fairmont Grand Del Mar Capella Ballroom  
**Attire** | Coat and Tie

### TUESDAY, February 20, 2018

7:30 AM **Continental Breakfast** | Manchester Salon

### CUSHINGS & TECHNIQUE #1

**Moderators** | Marvin Bergsneider, Andrew Little

- 8:00 AM **Cushing's Disease – Molecular Biology** | Nelson Oyesiku
- 8:15 AM **Mifepristone: A Bridge Therapy to Pituitary Adenoma Resection in Cushing's Disease** | Varun Kshetry
- 8:30 AM **Surgical Innovation of Transsphenoidal Surgery in Technique and Instruments for Pituitary Adenoma** | Kosaku Amano
- 8:45 AM **Clipping Technique for the Repair of the Intraoperative Cerebrospinal Fluid Leakage from the Arachnoid Recess During Transsphenoidal Pituitary Tumor Surgery** | Euihyun Kim
- 9:00 AM **Using of Silicone Balloon Tube for Prevent of CSF Leakage After Endoscopic Transnasal Pituitary Surgery** | Nobuyuki Kobayashi
- 9:15 AM **Delayed Pituitary Abscess Occurring 9 Years After Pituitary Adenoma Resection** | Edward Laws
- 9:30 AM **Anatomic Nuances of the Sellar/Parasellar Approach in EEA Surgery** | Amin Kassam
- 9:45 AM **Intraoperative Molecular Imaging During Surgery for Pituitary Adenomas** | John Lee
- 10:00 AM **Coffee Break**

### TECHNIQUE #2

**Moderators** | Stephen Sullivan, Amir Dehdashti

- 10:15 AM **En Bloc Pseudocapsular Resection of Endocrine Active Pituitary Adenoma Improves Early Indicators of Endocrinologic Remission** | Marvin Bergsneider
- 10:30 AM **Evolution of the Graded Repair of Cerebrospinal Fluid Leaks & Skull Base Defects in Endonasal Endoscopic Tumor Surgery: Trends in Repair Failure and Meningitis Rates in 509 Patients** | Garni Barkhoudarian
- 10:45 AM **Various Modifications of Vascularized Nasoseptal Flap for Repair of Extensive Skull Base Defect** | Ju Hyung Moon
- 11:00 AM **Combined Transcranial and Endoscopic Endonasal Surgery to Pituitary Macroadenoma with Oculomotor Cistern Extension: A Report of Two Cases** | Masahiko Tosaka
- 11:15 AM **Hospital Costs for Resection of Pituitary Tumors Using the Value-Driven Outcome Database** | William Couldwell
- 11:30 AM **Complication Avoidance in Endoscopic Endonasal Skull Base Surgery** | Daniel Prevedello
- 11:45 AM **Extended Endoscopic Endonasal and Supraorbital Keyhole Approaches for the Management of Giant Sellar Region Tumors: Overcoming the Barriers Between Surgery From Above or From Below** | Maurizio Iacoangeli
- 12:00 PM **Abdominal Fat Graft for Reconstruction of the Anterior Skull Base for Endonasal Transsphenoidal Surgery: Technique and Outcomes** | Edward Laws
- 12:15 PM **TBD** | James Chandler
- 12:30 PM **Discussion**
- 12:45 PM **Adjourn/Box Lunches/Departures**



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## ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of CME Outfitters, LLC and Academic Event Management. CME Outfitters, LLC is accredited by the ACCME to provide continuing medical education for physicians.

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[WWW.CMEOUTFITTERS.COM/AE004](http://WWW.CMEOUTFITTERS.COM/AE004) (The last three digits are zero zero three)

Once you follow the step-by-step guide, you will receive a PDF file that contains your credit certificate. This certificate is suitable for printing. If you have questions or need further assistance claiming credits, please call: 877-CME-PROS (877-263-7767).

You will not be able to claim CME credits until February 20th, after the symposium ends.

## ACKNOWLEDGMENT

The accredited continuing medical educational portions of this conference are supported in part by educational grants from Hitachi Healthcare, HyperBranch Medical Technology, Inc., KARL STORZ Endoscopy-America, SPIWay and Visionsense Corp.

## EXHIBITORS

**Hitachi Healthcare**

**HyperBranch Medical Technology, Inc.**

**KLS Martin**

**SPIWay**

**Stryker**

**Sutter Medical USA**

**Visionsense Corp.**

## JOINT ACTIVITY | Private Guided Hike at Torrey Pines State Natural Reserve

The private guided hikes at Torrey Pines State Natural Reserve will offer scenic views of the Pacific Ocean as you walk the trails in this rare coastal park. Torrey Pines is designated as a State Natural Reserve, so it is not your typical state park. A natural reserve status is assigned to an area of importance, and typically is one that contains threatened or rare plants, animals, habitats or geologic formations. Of the 280 units in the California State Parks system, only 14 have reserve status and Torrey Pines is one of them.

Our group will be split into smaller groups of 10-12 people and each assigned their own guide. Your guides will lead the groups on the various trails within the Reserve while educating you on the park's history, geology, plants, animals and anything interesting that you come across along the trail!

## Sunday, February 18th

**Welcome Reception** | Fairmont Grand Del Mar | Atria Lawn

**Opening Session** | Fairmont Grand Del Mar | Manchester Salon

## Monday, February 19th

**Scientific Session** | Fairmont Grand Del Mar | Manchester Salon

**Joint Activity** | Private Guided Hike at Torrey Pines State Natural Reserve (transportation will be provided)

**Gala Dinner** | Fairmont Grand Del Mar | Capella Ballroom

## Tuesday, February 20th

**Scientific Session** | Fairmont Grand Del Mar | Manchester Salon

## CONFERENCE LOCATION

**Fairmont Grand Del Mar**

5300 Grand Del Mar Court  
San Diego, California 92130

## ATTIRE

- **Scientific Sessions, Welcome Reception and Opening Session Dinner:** business casual for all.
- **Gala Dinner:** coat and tie.
- **Joint Activity:** light jacket or layers, athletic/comfortable clothing with running/athletic shoes or hiking boots.