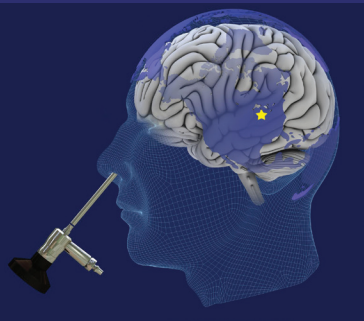


Sunday, May 15, 2016 • Day 1

- 7:30-8:00 **Introduction**
- 8:00-8:30 360 Degrees Around the Skull Base: An Anatomical Journey
- 8:30-9:00 Evolution of Endoscopic Skull Base Surgery: From the Lab to the OR
- 9:00-9:30 Skull Base Imaging - New Developments
- 9:30-10:00 Myths & Realities in Endoventricular Endoscopy
- 10:00-10:30 **Coffee Break**
- 10:30-11:00 Technological Advancements
- 11:00-11:30 Endonasal, Transcranial and Other Approaches: Current Indications
- 11:30-12:00 History of Trans-Sellar Surgery
- 12:00-12:30 Value in the Treatment of Skull Base Malignancies
- 12:30-13:30 **Lunch**



	Endonasal	Skull Base/Expanded	Intracranial	Rhinology
13:30-14:30	Pituitary Adenoma Surgery	Repair of CSF Leaks/ Skull Base Defects from the Minuscule to the Huge	Pediatric Hydrocephalus-1	FESS 1: Frontal Sinus
14:30-15:30	Anterior Skull Base Exposure	Long Term Results in the Treatment of Sinonasal & Skull Base Malignancies	Intraventricular Tumors	FESS 2: Ethmoid/Sphenoid
15:30-16:00	Coffee Break			
16:00-17:00	Multiportal Approach to the Skull Base	Intranasal Flaps	Arachnoid Cyst-1	Severe Epistaxis
17:00-18:00	Advances in Reconstruction	Clival Chordoma	Arachnoid Cyst-2/Colloid Cysts	Lacrimal Apparatus
18:00-19:00	UFC (Ultimate Feisty Controversies) Open vs. Endonasal Treatment of Malignant Anterior Skull Base Tumors			

Monday, May 16, 2016 • Day 2

	Endonasal	Skull Base/Expanded	Intracranial	Rhinology
7:30-8:30	Cranial Base Anatomy	Skull Base Imaging	Endoscopic Tx Basal Ganglia Hemorrhage	Recalcitrant Rhinosinusitis
8:30-9:30	Encephaloceles	Olfactory Groove Meningiomas: Endonasal vs. Transcranial	Endoscopic Craniosynostosis	Balloon Sinuplasty
9:30-10:30	Giant Pituitary Adenomas	Tuberculum Sella Meningiomas: Endonasal vs. Transcranial	Endoscopic Management of Complex Hydrocephalus	Sinonasal Fungal Disease
10:30-11:00	Coffee Break			
11:00-12:00	Pterygopalatine Fossa/Petrous Apex	Sinonasal Malignancy: Management and Outcomes	Endoscopic Intraventricular Tumors	Intracranial and Orbital Complications of Sinusitis
12:00-13:00	Craniopharyngioma	Sinonasal Malignancy: Tumor Board	Endoscopic Approaches to Pineal and Interhemispheric Lesions	Nasal Polyposis 1
13:00-14:00	Lunch			
14:00-15:00	Avoidance of Sinonasal Complications	Endoscopic Nasopharyngectomy/TORS	Minimally Invasive Subcortical Surgery	Nasal Polyposis 2
15:00-16:00	Endonasal Odontoidectomy	Trans-Eyebrow/Eyelid Craniotomy	Endoscopic Assisted Aneurysm Clipping	Pathogenesis, Biofilms and Superantigens
16:00-16:30	Coffee Break			
16:30-17:30	Management of Vascular Injury	Radionecrosis and Other Radiation Complications	Endoscopic CPA Surgery	Comprehensive Approaches to the Orbit
17:30-18:30	UFC (Ultimate Feisty Controversies) Open vs. Endonasal Treatment of Meningiomas			

Tuesday, May 17, 2016 • Day 3

	Endonasal	Skull Base/Expanded	Intracranial	Rhinology
7:30-8:30	Long Term Results in the Treatment of JNA	Endoscopic Approaches to the Infratemporal Fossa	Endoscopic Treatment of Third Ventricle Tumors	Medial Maxillectomy
8:30-9:30	Inverted Papilloma-1: Diagnosis & Classification	Middle Cranial Fossa/ICA	Endoscopic Treatment of IV Ventricle Lesions	Extended Approaches to the Frontal Sinus
9:30-10:30	Inverted Papilloma-2: Different Surgical Techniques; Long Term Results	Pituitary Non Functional Invasive Adenomas	Minimally Access to Cavernomas	Granulomatous Diseases of The Nose and PNS
10:30-11:00	Coffee Break			
11:00-12:00	Fibro Osseous Lesions-1: Diagnosis & Classification	Pituitary Functional Invasive Adenomas	Endoscopic Lateral Skull Base	Technical Variations of ESS
12:00-13:00	Outcomes of Pituitary Surgery	Long Term Results in the Treatment of Craniopharyngiomas	Endoscopic Approach to the Ventral Brainstem	Transorbital Approaches
13:00-14:00	Lunch			
14:00-15:00	Juvenile Angiofibroma: Diagnosis & Classification	Rathke's and Other Cystic Sellar/Suprasellar Lesions	Preserving Gland Function During Surgery for Pituitary Adenomas	Outcomes After ESS
15:00-16:00	Perineural Invasion/Spread	Sinonasal Surgery Complications	Pituitary Apoplexy	Diagnosis & Therapy of Smell Disorders
16:00-16:30	Coffee Break			
16:30-17:30	Rare Benign Tumors	Surgical Simulation	Quality of Life and Nasal Function in Skull Base Surgery	Individually Tailored Treatment for CRS Using Biomarkers: Future in CRS Management?
17:30-18:30	UFC (Ultimate Feisty Controversies) Flaps vs. Graft Reconstruction			

Wednesday, May 18, 2016 • Day 4

	Endonasal	Skull Base/Expanded	Intracranial	Rhinology
7:30-8:30	Fungal Rhinosinusitis	Endonasal Cavernous Sinus Approaches	Colloid Cysts - Technical Nuances	Septal and Turbinate Sparing - Olfaction After Endonasal Surgery
8:30-9:30	Lumbar Drains in Endoscopic Skull Base Surgery	Endoscopic Craniocervical Junction	Endoscope-Assisted Surgery of the CP Angle	Measuring Skull Base Outcomes: Circa 2016
9:30-10:30	Endonasal Approaches for Trigeminal Schwannomas	Endonasal Aneurysm Surgery	Technology Innovations and Skull Base and Oncological Surgery	Dacrocystorhinostomy
10:30-11:00	Coffee Break			
11:00-12:00	Orbital Approaches to the Skull Base; Decision Making	Closure of the Skull Base - Lessons Learned	When to Do Which? ETV versus Aqueductoplasty versus Choroid Fulguration	Endoscopic Septoplasty
12:00-13:00	Chondrosarcomas	Pre-operative Antibiotics and Infectious Complications in Extended Endonasal Approaches	Endonasal Surgery in the Cavernous Sinus - How Aggressive Should We Be?	How and When to Choose Devices for Better Outcomes in Endoscopic Sinus Surgery
13:00-14:00	Lunch			
14:00-15:00	Meningoencephaloceles and CSF Leaks	Managing Arterial Injury During Endonasal Surgery	Endoscopic-Assisted Eyebrow Minicraniotomy for Anterior Skull Base Pathology	Fungal Rhinosinusitis: Role of Topical Therapy
15:00-16:00	Giant Pituitary Non-Functional Adenomas	Petrous Apex Cholesterol Granulomas	3-D Endoscopy	New Horizons in Endoscopic Sinus Surgery: Indications for Balloon Sinuplasty and Drug Eluting Stents
16:00-16:30	Coffee Break			
16:30-17:30	Endoscopic Closure of Septal Perforations	Controversy - Craniopharyngiomas GTR versus STR and Radiation	Controversy - Tubular Retractors versus Purely Endoscopic Approaches to the Lateral Ventricles	Controversies in Management of Frontal Sinus Disease

Live Dissection Courses

	Day 1 Sunday, May 15, 2016		Day 2 Monday, May 16, 2016		Day 3 Tuesday, May 17, 2016		Day 4 Wednesday, May 18, 2016
13:30-14:30	Harvesting of Endonasal Pedicle Flaps	8:30 - 9:45	Endoscopic Endonasal Transclival Approach	8:30 - 9:45	Endoscopic Endonasal Transodontoid Approach	8:30 - 9:30	Endoscopic Endonasal Fronto-Ethmoidectomy
14:45-15:45	Endoscopic Endonasal Approach to the Sella Turcica	10:00 - 11:15	Endoscopic Endonasal Approach to Meckel's Cave	10:00 - 11:15	Endoscopic Endonasal Approach to Clivus/Hypoglossal Canal	9:40 - 10:15	Sphenoidotomy
16:00-16:55	Endoscopic Endonasal Approach to the Planum Sphenoidale	11:30 - 12:45	Endoscopic Endonasal Transcavernous Approach	11:30 - 12:45	Transmaxillary Approach to Pterygopalatine & Infratemporal Fossa	10:25 - 11:25	Extended Frontal Sinusotomy
17:00-17:55	Endoscopic Endonasal Approach to the Petrous Apex	13:00 - 14:00	Lunch	13:00 - 14:00	Lunch	11:30- 13:00	Surgical Control of Epistaxis
		14:00 - 15:00	Transorbital Neuroendoscopic Surgery (TONES)	14:00 - 15:15	Nasopharyngectomy	13:00 - 14:00	Lunch
		15:15 - 16:15	Endoscopic Endonasal Transorbital Approach	15:30 - 16:30	Closure of the Skull Base Defect	14:00- 15:30	Extranasal Flaps
		16:30 - 17:30	Endoscopic Endonasal Transcribiform Approach	16:45 - 17:30	Anatomical Landmarks for the ICA		