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|---------------|--|---------------|--|
| 7:00–8:00am   | <b>CONTINENTAL BREAKFAST &amp; EXHIBITS</b><br>Freedom/Independence Ballroom   | 11:12am       | <b>Abstract #1561–Tryptase Does Not Alter Paracellular Permeability in Human Airway Epithelial Cells:</b> Eugene Chang   |
| 8:00–8:45am   | <b>PLENARY SESSION: Beyond the Paranasal Sinuses</b><br>Liberty Ballroom AB<br>Chair: James Stankiewicz<br>Keynote Speaker: Aldo Stamm   | 11:18am       | <b>Discussion</b><br>Moderator: Jay Dutton   |
| 8:50–10:00am  | <b>ROUND TABLE: Surgical Techniques</b><br>Liberty Ballroom AB<br>Chair: James Stankiewicz<br>Moderator: Aldo Stamm<br><br><b>How to Approach Sellar and Parasellar Tumors:</b><br>Heinz Stammberger<br><br><b>Infratemporal Space Surgery–Case Selection:</b><br>Alexandre Felippu<br><br><b>Case to Explain the Transplanum Approach:</b> Vijay Anand<br><br><b>How to Approach Esthesioneuroblastoma with Intradural Invasion:</b> Roy Casiano<br><br><b>How to Reconstruct the Skull Base Defect After Extended Transnasal Craniectomy:</b> Rodney Schlosser<br><br><b>When to Choose a Combined Approach (External X Endonasal):</b> Piero Nicolai        | 11:30am       | <b>Expert’s How I Do It: Choanal Atresia:</b> Heinz Stammberger  |
| 10:00–10:30am | <b>BREAK: Refreshments in Exhibit Hall</b><br>Freedom/Independence Ballroom  | 11:40am       | <b>Discussion</b><br>Moderators: Robert Kern, Sanjay Parikh  |
| 10:30–11:25am | <b>MINI SEMINAR: Unified Airway</b><br>Liberty Ballroom C<br>Chair: Ruby Pawankar<br>Moderator: Stephanie Joe<br><br><b>Overview:</b> Ruby Pawankar<br><br><b>Clinical Picture- Incidence, Clinical Presentation, and Histopathology:</b> Stephanie Joe<br><br><b>The Arguments For and Against the Concept/the Research:</b> <ul style="list-style-type: none"> <li>• Viewpoint by Robert Schleimer</li> <li>• Viewpoint by Elina Toskala</li> <li>• Viewpoint by Claus Bachert</li> </ul><br><b>Treatment Strategies:</b><br>Open Discussion by the Panel with Cases Provided by Stephanie Joe and Ruby Pawankar<br><br><b>Final Comments:</b> Ruby Pawankar | 11:45am       | <b>Abstract #1633–Mucosal Expression of Nerve Growth Factor and Brain-Derived Neurotrophic Factor in Chronic Rhinosinusitis:</b> Charles Coffey  |
| 10:30–12:30pm | <b>ARS Meeting Papers</b><br>Liberty Ballroom AB<br>Moderators: Peter Catalano, John DelGaudio   | 11:51am       | <b>Abstract #1676–Polymorphisms in the NOS1 and NOS1AP Genes Are Associated With Severe Chronic Rhinosinusitis:</b> Yuan Zhang   |
| 10:30am       | <b>Abstract #1650–Regulation of Proton (H+) Secretion of Freshly Excised Nasal Tissues:</b> Do-Yeon Cho  | 11:57am       | <b>Abstract #1606–The Expression of the Immunoregulatory Enzyme Indoleamine 2,3-Dioxygenase in Patients With Nasal Polyps:</b> Sanna Toppila-Salmi   |
| 10:36am       | <b>Abstract #1600–Title: A New Model for Analyzing the Flow Effects on Electrical Barrier of Nasal Epithelium:</b> Masato Miwa   | 12:03pm       | <b>Discussion</b><br>Moderator: Karen Fong   |
| 10:42am       | <b>Abstract #1627–Nasopharyngeal Endoscopic Resection (Ner) in the Management of Selected Malignancies: Surgical Technique and Preliminary Results:</b> Andrea Bolzoni Villaret  | 12:15pm       | <b>Expert’s How I Do It: Surgery of the Pterygopalatine Fossa:</b> Peter Hwang   |
| 10:48am       | <b>Discussion</b><br>Moderators: Hassan Ramadan, Roy Casiano   | 12:25pm       | <b>Discussion</b>  |
| 11:00am       | <b>Abstract #1625–Endoscopic Surgery for Juvenile Angiofibroma (Ja): Indications and Limits:</b> Sylvie Nadeau   | 10:30–11:25am | <b>GREAT DEBATE: Fungus vs. Bacteria</b><br>Liberty Ballroom D<br>Moderator: Eugene Kern<br>Robert Kern, Jens Ponikau  |
| 11:06am       | <b>Abstract #1701–Detection of Staphylococcus Aureus in Nasal Tissue with Peptide Nucleic Acid–Fluorescence in Situ Hybridization:</b> Marie-Noëlle Corriveau  | 10:30–12:00pm | <b>IRS/ISIAN VIDEO SESSION</b><br>Salon 5/6<br>Moderators: Robert Meyers, Adam Zanation  |
|               |  | 10:30am       | <b>Abstract #1576–Endoscopic Maxillary Failures:</b> Robert Meyers   |
|               |  | 10:36am       | <b>Abstract #1577–An Alternative To Revision Endoscopic Procedures in Frontal Sinus Failures:</b> Robert Meyers  |
|               |  | 10:42am       | <b>Abstract #1579–Endoscopic Management of Chronic Isolated Frontal Sinusitis: The Uncinectomy Approach:</b> Mohamed Askar   |
|               |  | 10:48am       | <b>Abstract #1883–Endoscopic Endonasal Repair of Orbital Blow-out Fracture:</b> Shoji Matsne   |
|               |  | 10:54am       | <b>Abstract #1548–Nasolacrimal duct probing: Failure and treatment:</b> Shawky Elmorsy   |
|               |  | 11:00am       | <b>Abstract #1781–The Endoscopic Pericranial Flap for Endoscopic Anterior Skull Base Reconstruction: A Technical Report:</b> Adam Zanation   |
|               |  | 11:06am       | <b>Abstract #1590–Frontal Sinus Approach: The Concept of the “Vertical Bar”:</b> Joao Nogueira   |
|               |  | 11:12am       | <b>Abstract #1592–Nasal outcomes after novel binostril approach for endoscopic pituitary surgery with septal preservation:</b> Joao Nogueira   |
|               |  | 11:35–12:30pm | <b>MINI SEMINAR: Skull Base Reconstruction</b><br>Liberty Ballroom C<br>Chair: Balwant Gendeh<br>Moderator: Rodney Schlosser<br><br><b>Anterior Cranial Fistula Repair:</b> Balwant Gendeh<br><b>Vascularized Flaps for Skull Base Repair:</b> Ricardo Carrau<br><b>Impact of Etiology on Graft Repair of Skull Base Defects:</b> Roy Casiano<br><b>Repair of Cribriform Plate Defects:</b> Enrique Iturriaga<br><b>Laser Tissue Welding for Skull Base Repair:</b> James Palmer |

- 11:35–12:30pm **GREAT DEBATE: SCIT vs. SLIT**  
 Liberty Ballroom D  
 Moderator: Richard Haydon  
 SCIT: Berrylin J. Ferguson  
 SLIT: Elina Toskala  
 Discussion and Questions
- 12:30–1:30pm **LUNCH: Boxed Lunches available in Lunchtime Symposium (Liberty Ballroom AB) and Exhibit Hall (Freedom/Independence Ballroom)**
- 12:30–1:30pm **LUNCHTIME SYMPOSIUM:**  
**The Role of Coblation® Technology in Sinus Surgery**  
 Liberty Ballroom AB  
 Overview of Coblation Technology: Simon Carney  
 Endoscopic Coblation of Sinonasal Mucosa in the Sheep and Rabbit Model: Mark Zacharek  
 Use of Coblation for Endoscopic Skull Base & Sinus Tumors: Panelists: Bradford Woodworth, James Hicks, Gregory James  
 Use of Coblation for Polypectomy and JNA: Jose Ruiz
- 1:30–5:00pm **RHINOLOGY BOWL**  
 Horizons Ballroom
- 1:30–5:00pm **INSTRUCTIONAL COURSE: Hands-on Lab Dissection**  
 UPENN School of Medicine, Stemmler Hall Rm 212  
 (Pre-registration required; buses leave the Sheraton at 1:00pm)  
 Soo Kim Abboud, Samuel Becker, Edward Hepworth, James Kearney, Kelly Malloy, James Palmer, Aldo Stamm, Erica Thaler, Winston Vaughan, Eugenia Vining, Sarah Wise
- 1:30–2:25pm **DEMONSTRATION DISSECTION**  
 Liberty Ballroom AB  
 Transpterygoid/Infratemporal Fossa: James Palmer  
 Narrow Band Imaging in the Head & Neck Region: Bert O'Malley  
 Discussants: Alexander Chiu, Rodney Schlosser
- 1:30–2:25pm **MINI SEMINAR**  
**Sinus Surgery: Management of Complications**  
 Liberty Ballroom D  
 Chair: Ian Mackay  
 Moderator: Scott Graham  
 Complications of Sinus Surgery—Role of Technology: Scott Graham  
 Orbital Injury: Alfredo Herrera  
 Intra-Cranial Complications: Ephraim Eviatar  
 Carotid Injury: Richard Gallagher
- 1:30–3:30pm **MINI SEMINAR: Nasal Polyposis**  
 Logans 2  
 Chair: Desiderio Passali  
 Moderator: Peter Hwang  
 Introductory Comments: Desiderio Passali  
 Abnormalities of Disease-Related Gene Expression Profiles in Nasal Polyposis: De Yun Wang  
 The Role of Superantigens in Nasal Polyposis: Claus Bachert  
 Medical Therapy for Nasal Polyposis: Anders Cervin  
 Samter's Triad: Special Considerations: Jan Gosepath  
 Surgical Management of Nasal Polyposis: Andrei Lopatin  
 Management of Recurrent Nasal Polyposis: Joong Saeng Cho  
 Case Discussions with Panelists: Peter Hwang  
 Closing Remarks: Desiderio Passali
- 1:30–2:25pm **MINI SEMINAR: Point of Service Imaging**  
 Salon 10  
 Chair: David Kennedy  
 Moderator: David Conley  
 Introduction: David Kennedy  
 Choice of Device: Flat Panel vs. Conventional CT: David Conley  
 Indications for POS CT and Pre-authorization: Michael Sillers  
 Accreditation: Mary Lally  
 Making It Work in Your Practice: Gavin Setzen  
 Summary and Question: David Kennedy
- 1:30–2:25pm **INSTRUCTIONAL COURSE: Pediatric Rhinoplasty**  
 Salon 1  
 Gilbert Trenite
- 1:30–2:25pm **MINI SEMINAR: Frontal Sinus Fx**  
 Logans 1  
 Chair: Geng Xu  
 Moderator: De-Min Han  
 Overview of Frontal Sinus Fractures:  
 Obliteration and Cranialization Concepts, Open Reduction Internal Fixation and Approaches: Andrew Murr  
 Endoscopic Approaches to Frontal Sinus Fractures in Detail: Jacob Steiger  
 Management of Long-Term Complications of Frontal Sinus Fractures—Including Endoscopic and External Approaches: Steven Pletcher  
 Questions from Audience
- 1:30–3:30pm **IRS/ISIAN PAPER SESSIONS**  
 Salon 3/4  
 Moderators: Ahmed Atef, Jamie Litvack
- 1:30pm Abstract #1608—The Calcium Sensing Receptor in Sinonasal Epithelium: A Modulator of Ciliary Beat Frequency?: Dawn Sharp
- 1:38pm Abstract #1610—Ultrastructural Ciliary Changes of Maxillary Sinus Mucosa Following Functional Endoscopic Sinus Surgery: An Image Analysis Quantitative Study: Ahmed Atef
- 1:46pm Abstract #1546—Rheologic Properties of Sinonasal Mucus in Patients with Chronic Rhinosinusitis: David Saito
- 2:00pm Abstract #1832—A Pilot Study of a Chinese Version of the University of Pennsylvania Smell Identification Test for Application in Taiwan: Rong-San Jiang
- 2:08pm Abstract #1879—Objective Assessment of the Impact of Chronic Rhinosinusitis (CRS) On Olfactory Function: Kai Zhao
- 2:16pm Abstract #1887—Computational Modeling of Nasal Airflow and Odorant Transport In Patients With Chronic Rhinosinusitis: Kai Zhao
- 2:30pm Abstract #1804—Comparison of Disease-Specific Quality of Life Instruments In The Assessment of Chronic Rhinosinusitis: Jamie Litvack
- 2:38pm Abstract #1834—Quality of Life is Improved by Endoscopic Sinus Surgery in Nasal Polyposis with Asthma: Anders Ehnhage
- 2:46pm Abstract #1842—Quality of Life in Patients with Chronic Rhinosinusitis, Nasal Septal Deviation, Obstructive Sleep Apnea, Headaches, and GERD: Helen Perakis
- 3:00pm Abstract #1852—Impact of Nasal Polyps On Quality of Life of Chronic Sinusitis Patients: Lakshmi Vaid
- 3:08pm Abstract #1859—Functional Voice Outcomes Following External Medialization Thyroplasty Using Autologous Nasal Septal Cartilage Under Local Anesthesia: Tamer Mesallam
- 3:16pm Abstract #1884—Differentiation of Chronic Rhinosinusitis (CRS) and its Coupling to Lower Airways: Kåre Håkansson

**1:30–3:00pm MINI SEMINAR (ARS): Endoscopic Skull Base Surgery**  
 Liberty Ballroom C  
 Chair: Todd Loeuhl  
 Moderator: Ricardo Carrau

Endoscopic Endonasal Resection of Anterior Skull Base Meningiomas: Heinz Stammberger  
 Endoscopic Resection of Malignant Tumors of the Sinonasal Tract: Piero Nicolai  
 Endoscopic Control of the ICA: Adam Zanation  
 Endoscopic Approaches to the Cavernous Sinus: Ernesto Pasquini  
 Duraplasty after Endoscopic Skull Base Surgery: Paolo Castelnuovo

**1:30–3:30pm IRS/ISIAN PAPER SESSIONS**

Salon 5/6  
 Moderators: Amin Javer, Vittorio Sciarretta

- 1:30pm Abstract #1550—Transnasal Endoscopic Resection of Benign Tumors Extending to Pterygopalatine & Infratemporal Fossa: Shawky Elmorsy
- 1:38pm Abstract #1551—Management of CSF Rhinorrhea; Septal Graft and Middle Turbinate Rotational Flap Technique: Shawky Elmorsy
- 1:46pm Abstract #1575—Endoscopic Transnasal Resection of Malignant Tumor in the Pterygopalatine Fossa: Satoru Kodama
- 2:00pm Abstract #1605—Endoscopic Management of Sino-Nasal Tumors: Long-Term Results—The St Paul’s Experience: Carl Philpott
- 2:08pm Abstract #1620—Endoscopic Versus Open Approaches in Treating Huge Locally Advanced Angiofibromas: Hossam El Bosraty
- 2:16pm Abstract #1641—Endoscopic Treatment of Inverted Papilloma: A Report of 109 Cases: Vittorio Sciarretta
- 2:30pm Abstract #1764—Minimally Invasive Treatment Modality for Sinonasal Malignancy With Anterior Skull Base Invasion—A Preliminary Report: Yu-Fu Chou
- 2:38pm Abstract #1766—The Influence of Septal Flap Reconstruction On Sinonasal Function and Quality of Life: Harshita Pant
- 2:46pm Abstract Number: 1768—Endoscopic Transphenoidal Approach to Petrous Apex Lesions: Leela Lavasani
- 3:00pm Abstract #1784—Endoscopic Management of Sphenoclivar Neoplasms: Anatomic Correlates and Patient Outcomes: Clementino Solares
- 3:08pm Abstract #1787—Large B-cell Lymphoma of the Frontal sinus: A Case Report: Gopi Shah
- 3:16pm Abstract #1786—Concurrent Resection of Pituitary Adenoma and Planum Sphenoidale Meningioma in a Patient with Cushing’s Disease: A Case Report: Gopi Shah

**1:30–3:30pm IRS/ISIAN PAPER SESSIONS**

Salon 9  
 Moderators: Brad Mechor, Matteo Trimarchi

- 1:30pm Abstract #1589—Novel “Cross-Over Flap” Technique for Nasal Septal Perforations: Joao Nogueira
- 1:38pm Abstract #1599—Endoscopic Septoplasty with Powered Instruments: Aderito De Sousa
- 1:46pm Abstract #1710—Endoscopic Back and Forth Septoplasty Technique: Trimarchi Matteo

- 2:00pm Abstract #1833—Flap Reconstruction of Nasal Septal Perforation: Yaser Khalil
- 2:08pm Abstract #1844—Validity of “Hydrodissection” for Subperichondral Septoplasty—an Experimental Anatomical Study: Patrick Dubach
- 2:16pm Abstract #1664—Eustachian Tube Endoscopy: Validity and Limits: Stefano Millarelli
- 2:30pm Abstract #1739—Snoring In Adult Patients With Nasopharyngeal Tuberculosis: S Tiong
- 2:38pm Abstract #1841—Comparison of Retropalatal and Retroglossal Airway Obstruction in Obstructive Sleep Apnea Syndrome: Baharudin Abdullah
- 2:46pm Abstract #1767—Clinical Evaluation of a New Approach In Acute Rhinosinusitis: Anders Clemens
- 3:00pm Abstract #1747—Coblation Assisted Endoscopic Resection of a Juvenile Nasopharyngeal Angiofibroma with Pre-Operative Transnasal Embolization: Jose Ruiz
- 3:16pm Abstract #1874—Treatment of Nasal Polyposis with Oral Methylprednisolone and Doxycycline: A Double-Blind, Randomized, Placebo-Controlled Trial With Evaluation of Clinical and Biological Activity: Van Zele Thibaut

**2:30–3:15pm Presentation Skills for Physicians: Making Your Next Talk Go Better Than Your Last**  
 Horizons Ballroom  
 Scott Litin

**2:35–3:30pm DEMONSTRATION DISSECTION**  
 Liberty Ballroom AB  
 Clival Resection and Posterior Fossa Anatomy: Aldo Stamm  
 Discussants: Alexander Chiu, Rodney Schlosser

**2:35–3:30pm MINI SEMINAR: Microbes in CRS**  
 Liberty Ballroom D  
 Chair: Jean-Silvain Lacroix  
 Moderator: Robert Kern  
 CRS and Infection: A View from the Tree Tops: Neil Bhattacharrya  
 Characterizing the Microbial Communities Associated with CRS: Jeff Leid  
 Endonasal Mupirocine Treatment for Staph Aureus Carriage: Does it Work?: Jean-Silvain Lacroix  
 CRS: A Dysfunctional Host Reaction to Microbial Stimulation?: Robert Kern  
 Questions

**2:35–3:30pm MINI SEMINAR: Lasers in Rhinology**  
 Logans 1  
 Chair: Anthony Papavassiliou  
 Moderator: Howard Levine  
 Introduction: Anthony Papavassiliou  
 History of Lasers in Rhinology and Use of Laser for Turbinate Dysfunction: Itzhak Braverman  
 Role of Argon Laser in Rhinology: Kazanas Savvas  
 Transcanalicular DCR using Diode Laser: Antonio Sousa Vieira  
 Laser Septochondroplasty: Anthony Papavassiliou  
 Tissue Welding in Anterior Skull Base Repair: Benjamin Bleier

- 2:35–3:30pm **MINI SEMINAR: HHT/Epistaxis**  
Salon 1  
Chair: Elie Serrano  
Moderator: Douglas Ross  
Elie Serrano, Douglas Ross, Valerie Lund
- 2:35–3:30pm **INSTRUCTIONAL COURSE**  
Salon 10  
Revision Rhinoplasty: Gilbert Trenite
- 3:00–4:00pm **INSTRUCTIONAL COURSE: Predictable Tip Techniques**  
Liberty Ballroom C  
Moderator: Edmund Pribitkin  
**Tips in Tip Work:** Nick Jones  
**Case Presentation:** Daniel Becker, Cemal Cingi, Nick Jones, Ira Papel, Edmund Pribitkin  
**Topics to include:**
- Managing the Medial Crura: Widened Crural Feet, Medial Crural Fixation Suture, Septocolumellar Suture, Columellar Strut
  - Refining the Tip: Interdomal Suture, Transdomal Suture, Weakening the Dome, Vertical Dome Division
  - Tip, Shield and Cap Grafts
  - Special Considerations: Thick Skinned Tip
  - Special Considerations: Thin Skinned Tip
- 3:30–4:00pm **BREAK: Refreshments in Exhibit Hall**  
Freedom/Independence Ballroom
- 4:00–5:30pm **MINI SEMINAR: Management of Turbinates and Septum**  
Salon 3/4  
Chair: Fuad Baroody  
Moderator: Raymond Sacks  
**Review of Evidence Looking at Surgery of the Septum or Turbinates for Headache:** Fuad Baroody  
**Medical Management of Rhinitis:** Jay Dutton  
**Endoscopic Inferior Turbinoplasty Versus Alternative Techniques—The Pros and Cons:** Raymond Sacks  
**Role of Coblation in the Management of the Hypertrophied Inferior Turbinate:** Simon Carney  
**An Algorithm for the Management of the Turbinates:** Gil Vicente
- 4:00–5:30pm **MINI SEMINAR: DCR/Orbit**  
Salon 1  
Chair: Balwant Gendeh  
Moderator: Aderito DeSousa  
**Anatomy of the Lacrimal Bone at the Lateral Wall of the Nose—Its Significance to the Rhinoendoscopist:** Enrique Iturriaga  
**Surgical Techniques and its Variations:** Reda Kamel  
**Long-term Results and Reasons for Failure:** Mohsen Naraghi
- 4:00–5:30pm **MINI SEMINAR: Olfaction**  
Salon 5/6  
Chair: Donald Leopold  
Moderator: Edmund Pribitkin  
Donald Leopold, Edmund Pribitkin, Luisa Bellussi, Beverly Cowart, Richard Doty, Karen Fong, Eric Holbrook
- 4:00–5:30pm **MINI SEMINAR: Guidelines in Rhinosinusitis: The Questions They Answer and Do Not Answer**  
Seminar A  
Chair: Peter Hellings  
Moderator: Wytse Fokkens  
**Definitions and Agreements—The Basis for Advancement in the Field:** Wytse Fokkens  
**What I Could Not Find in the Recent Guidelines on Rhinosinusitis and Would Have Loved to Know:** Richard Douglas  
**Management Schemes—A Way to Educate and to Improve Patients QOL:** Fenna Ebbens  
**American Versus European CRS Guidelines, Similarities & Differences: To A World Guideline on CRS:** Peter Hellings
- 4:00–5:30 **MINI SEMINAR: Endoscopic Surgery of Skull Base (Cornell Rhinology Course)**  
Salon 10  
Chair: Theodore Schwartz  
Moderator: Vijay Anand  
**Advanced Endoscopic Anatomy:** Ameet Singh  
**Endoscopic Approaches: Classification:** Seth Brown  
**Endoscopic Suprasellar Approaches for Skull Base Lesions:** Theodore Schwartz  
**Surgical Decisions in Endoscopic Skull Base Resections:** Abtin Tabaei  
**Endoscopic Approaches to Infratemporal Fossa and Beyond:** Vijay Anand  
**Discussion**
- 4:00–5:30pm **MINI SEMINAR: Wound Healing and FESS**  
Salon 9  
Chair: Hiroshi Moriyama  
Moderator: Peter Hwang  
**Opening Remarks:** Hiroshi Moriyama  
**Mucosal Histologic and Function in CRS:** Parul Goyal  
**Histologic and Functional Recovery After FESS:** Werner Hosemann  
**Intraoperative and Postoperative Considerations in Optimizing Wound Healing:** Richard Orlandi  
**Enhancement of Wound Healing Through Biotechnology:** Rakesh Chandra  
**Discussion:** Peter Hwang  
**Closing Remarks:** Hiroshi Moriyama
- 4:00–5:30pm **MINI SEMINAR: Management of Eustachian Tube Dysfunction**  
Seminar B  
Chair: Brian Dunham  
Moderator: Douglas Bigelow  
Brian Dunham, Douglas Bigelow, Daqing Li, Carlos Yanez
- 4:00–5:30pm **INSTRUCTIONAL COURSE: Robotic Skull Base Surgery**  
Liberty Ballroom D  
Bert O'Malley, Gregory Weinstein

4:00–5:30pm

**INSTRUCTIONAL COURSE:**

**Perioperative Medical Management**

Seminar D

Moderator: Norbert P. Gorski

Perioperative Medical Management in Endoscopic Sinus Surgery—Novel Idea or Traditional Approach: Norbert P. Gorski  
 Preoperative Approach to ESS Patient: Norbert P. Gorski  
 Topical Nasal Irrigations and Sprays, Mechanical Penetration and Coverage: Erik Weitzel  
 Target Ostial Sizes with Sinus Surgery and Influence on Sinus Irrigation: Erik Weitzel  
 Pitfalls in Postoperative Management: Eliza Brozek-Madry  
 Impact of Perioperative Medical Management on the Long-Term Results of Endoscopic Sinus Surgery: Norbert P. Gorski

4:00–5:30pm

**INSTRUCTIONAL COURSE:**

**Rhinoplasty—Technique I Cannot Live Without**

Liberty Ballroom C

Moderator: Ian Mackay

Cottle's Technique—Functional Approach: Ignazio Tasca  
 Septum and Tip Support: Cemal Cingi  
 Reassuring Tip Position in Rhinoplasty: Fazil Apaydin  
 Seagull Wing Graft: A Technique for the Replacement of Lower Lateral Cartilages: Fernando Pedroza  
 Tipplasty in Thick Skin Patients: I Love Triamcinolone!: Alizera Mesbahi

4:00–5:30pm

**INSTRUCTIONAL COURSE: Correct Coding For Better Reimbursement in Rhinology**

Seminar A

Moderator: Michael Setzen

Common Coding Dilemmas in Rhinology and What to Do: Michael Setzen  
 Top 5 Practice Management Tips Including E&M and Modifiers: Kim Pollock  
 Top 5 Practice Management Tips You Cannot Afford to Miss: Kim Pollock

4:00–5:30pm

**INSTRUCTIONAL COURSE: SLIT**

Seminar C

Moderator: Rodney Schlosser

History of SLIT and AAOA Recommendations: Sandra Lin  
 Clinical Outcomes in Allergic Rhinitis and Escalation Protocols: Sarah Wise  
 Impact of SLIT on Asthma: William Reisacher  
 How Does SLIT Work and Future Directions: Rodney Schlosser

4:00–5:30pm

**INSTRUCTIONAL COURSE: GERD**

**Live Nasoesophagoscopy (Olympus)**

Logans 1

Moderator: Natasha Mirza

Extra-Esophageal Reflux (EER): Todd Loehrl  
 Reflux and Refractory Chronic Sinusitis: Todd Loehrl  
 Overview of EER/GERD: Todd Loehrl  
 Evidence Based Reflux and Sinusitis: Todd Loehrl  
 Overview of Laryngo-Pharyngeal Reflux: Kevin Leahy  
 Diagnosing LPR: RSI, RFS, Laryngoscopies, Manometry, pH Probes: Kevin Leahy  
 Reflux and Sinusitis: Distinguishing Between the Two: Natasha Mirza  
 Managing “Mucus in the Throat”: Natasha Mirza  
 Cough: Reflux or Sinusitis: Natasha Mirza