Program • Thursday, April 16, 2009

7:00–8:00am  Continental Breakfast & Exhibits
Freedom/Independence Ballroom

8:00–8:45am  PLENARY SESSION: Contemporary Overview of CRS
Liberty Ballroom AB
Chair: David Kennedy, Keynote Speaker: Valerie Lund

8:50–10:00am  ROUND TABLE: Pathogenesis of CRS
Liberty Ballroom AB
Chair: David Kennedy, Moderator: Valerie Lund
The Superantigen Story: Claus Bachert
Ciliary Dysfunction: James Palmer
The Role of Biofilms: Noam Cohen
The Role of Osteitis: David Kennedy
Allergic Fungal Sinusitis–Misnomer or Reality?: Heinz Stammberger

10:00–10:30am  BREAK: Refreshments in Exhibit Hall
Freedom/Independence Ballroom

10:00–11:25am  GREAT DEBATE: Sinuplasty vs. MIST vs. FESS vs. Nasalization
Liberty Ballroom AB
Chair: Wytske Fokkens, Moderator: Alexander Chiu
Nasalization: Jean-Michel Klossek
FESS: Bradley Marple
MIST: Reuben Setliff
Hybrid: FESS/Balloon: Michael Setzen
Balloon Dilatation: Frederick Kuhn

11:30–12:30pm  MINI SEMINAR: Benign Tumors
Liberty Ballroom D
Chair: Hiroshi Moriyami, Moderator: David Kennedy
Transnasal Endoscopic Medial Maxillectomy in Inverted Papilloma: Reda Kamel
Endonasal Approach for the Inverted Papilloma in the Maxillary Sinus Via Fontanella and Inferior Meatus: Hiroshi Moriyami
Endoscopic Resection of JNA: Metin Önerci
Endoscopic Resection of JNA: De-Min Han
Endoscopic Resection of Meningiomas: Ricardo Carrau
Endoscopic TSA for the Management of Pituitary Adenoma: Hun-Jung Dhong

10:30–12:30pm  ARS MEETING PAPERS
Liberty Ballroom C
Moderators: Neil Bhattacharyya, Andrew Lane
Abstract #1640–Decreased Expression Of Connexin (Cx)26 and 43 In Allergic Nasal Epithelium: Huabin Li
10:36am Abstract #1628–Alterations In Complement Pathway Gene and Protein Expression In Chronic Rhinosinusitis: Rodrigo Schlosser
10:42am Abstract #1685–SPLUNC1 Expression of Nasal Polyp Epithelial Cells in Air-Liquid Interface Culture Treated with IL-13: Te-Huei Yeh
10:48am Discussion Moderators: Joseph Jacobs, Brent Senior
11:00am Abstract #1647–The Effect of Topical Intranasal Budesonide Saline Irrigations on Serum and Urinary Cortisol Levels in Patients with Recurrent Polyposis Following Endoscopic Sinus Surgery: Kevin Welch

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11:06am Abstract #1782–Development of a Chinchilla Model to Allow Direct, Continuous Imaging of Fluorescent Nontypeable Haemophilus Influenzae during Experimental Chronic Rhinosinusitis: Subino Das
11:12am Abstract #1569–The Comparative Disease Burden of Rhinosinusitis: Neil Bhattacharyya
11:18am Discussion Moderator: Stillanos Kountakis
11:30am Expert’s How I Do It: Endoscopic Trans-Sphenoidal Hypophysectomy: Marvin Fried
11:40am Discussion Moderators: Bradley Marple, Marvin Fried
11:45am Abstract #1556–Chronic Fungal Sinusitis–Fungal Colonization of Paranasal Sinuses, Evaluation of ICAM-1 and IL-8 and Studying of Immunological Effect of Long-Term Low-Dose Macrolide Therapy: Shawky Elmorsy
11:51am Abstract #1642–Cigarette Smoke Extract Stimulates Interleukin-8 Production In Human Sinus Epithelium Via Reactive Oxygen Species: Rodney Schlosser
11:57am Abstract #1761–Secondhand Tobacco Smoke Exposure and Chronic Rhinosinusitis–A Case-Control Study: Douglas Reh
12:03pm Discussion Moderator: Rodney Schlosser
12:15pm Expert’s How I Do It: Endoscopic DCR: Todd Kingdom
12:25pm Discussion

12:30–1:30pm  ARS BUSINESS MEETING
Liberty Ballroom C

11:35–12:30pm  MINI SEMINAR: Experience is the Best Teacher: The Rhinoplasty Student Never Graduates
Liberty Ballroom AB
Chair: Roxana Cobo, Moderator: M. Eugene Tardy, Jr.
Confusion, Then Clarity, at the Internal Nasal Valve: Minas Constantinides
The Lipsitt Technique Deprojects But Does Not Necessarily Counter-Rotate the Nasal Tip: Daniel Becker
Medial Osteotomies: When to Use or Abuse in Rhinoplasty: Ira Papel
Managing the Acute Nasolabial Angle: A Technique That Survives Gravity and Gives Additional Support: Roxana Cobo
Profile Planning: An Advance or a Waste of Time: Ian Mackay
Discussion

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: Treatment of Respiratory Diseases with Phytopharmaceuticals
Liberty Ballroom AB
Phytoneering–Research of Plant-based Medicines: From the Seed, to Cultivation, to clinical Efficacy: Michael A. Popp
Preclinical Development and Animal Trials in Herbal Treatment: Pontus Stierna
Clinical Experience of Treating Upper and Lower Airway Diseases with Phytopharmaceuticals: Narinder Duggal
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, Andrew Goldberg,  
Alexis Jackman, James Kearney, David Kennedy,  
Steven Pletcher, Michael Siegel, Heinz Stammberger,  
Jacob Steiger, Erica Thaler, Sarah Wise, Bradford Woodworth

1:30–2:25pm  DEMONSTRATION DISSECTION:  
Complete Sphenethmoidectomy SPA Ligation  
Liberty Ballroom AB  
Heinz Stammberger  
Discussants: Donald Lanza, Melin Onerci

1:30–2:25pm  MINI SEMINAR: Frontiers in Computer Aided Surgery  
Liberty Ballroom C  
Chair: Stilianos Kountakis, Moderator: Marvin Fried  
CAS: Which System for Me?: Thomas Tami  
Intraoperative Imaging in Rhinologic Surgery: Martin Citardi  
CAS and Simulation: Marvin Fried

1:30–2:25pm  MINI SEMINAR: Evidence Based Medicine in Rhinology  
Liberty Ballroom D  
Chair: Yang-Gi Min, Moderator: Timothy Smith  
Introduction to Evidence Based Medicine and Evidence Based Sinus Surgery: Timothy Smith  
Evidence Based Medical Therapy for Rhinosinusitis: Wytske Fokkens  
Fungal Rhinosinusitis? What is the Evidence?: Fenna Ebbens  
The Evidence for Image Guidance in Rhinology: Richard Orlandi  
Questions to Panel

1:30–2:25pm  INSTRUCTIONAL COURSE: Endoscopic Orbital Surgery  
Logans 2  
Chair: Reda Kamel, Moderator: Ranko Mladina  
Endoscopic Endonasal Orbital Decompression: Valerie Lund  
Novel Technical Aspects of the Endonasal Endoscopic Orbital Decompression: Ranko Mladina  
Endonasal Endoscopic Orbital Compression: N. Prepageran  
Transnasal Endoscopic Surgery of the Sino-Orbital Lesions: Reda Kamel

1:30–2:25pm  MINI SEMINAR: Relevance of Allergy for Rhinologists  
Logans 1  
Chair: Richard Haydon, Moderator: Joseph Han  
Prevalence of Allergy in Rhinology Practice: Joseph Han  
Impact of Allergic Rhinitis on Sinusitis: Pete Batra  
Asthma in Rhinology Practice?: Mark Zacharek  
Management of Allergic Rhinitis: Alpen Patel

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1:30–3:00pm  IRS/ISIAN PAPER SESSIONS  
Salon 5/6  
Moderators: Marc Rosen, Mohsen Naraghi  
Abstract #1788–Airway Management and Perioperative Concerns Surrounding Endoscopic Surgery for Pituitary Tumors in Acromegaly Patients: Douglas Johnston  
Abstract #1792–Technical Modifications of the Pedicled Nasoseptal Flap for Endonasal Skull Base Reconstruction: Amol Bhatki  
Abstract #1794–Lumbar Drain Utilization in Endoscopic Skull Base Surgery: Ameet Singh
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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>1:30-3:30pm</td>
<td>VARIOUS PAPER SESSIONS: IRS/ISIAN</td>
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<tr>
<td>2:00pm</td>
<td>Abstract #1800—Endoscopic Repair of Expanded Endonasal Skull Base Defects Using a Stable Bilayer “Button” Closure: Marc Rosen</td>
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<td>2:08pm</td>
<td>Abstract #1805—Endoscopic Transsphenoidal Approach to Craniohypongiomas: Adam Luginbuhl</td>
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<td>2:16pm</td>
<td>Abstract #1808—Limitations of the Pedicled Nasoseptal Flap for Endoscopic Reconstruction of Transsellar Skull Base Defects in Pediatric Patients: Rupali Shah</td>
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<td>2:30pm</td>
<td>Abstract #1673—Bone Removal during Transsphenoidal Hypophysectomy Using an Ultrasonic Aspirator: Jastin Antisdel</td>
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<td>2:38pm</td>
<td>Abstract #1720—Orbital Mass Lesions: Implications &amp; Limitations of Endonasal Endoscopic Approach: Mohsen Naraghi</td>
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<td>Abstract #1760—Endoscopic Transmaxillary Approach to the Pterygopalatine Space: Hwa Jung Son</td>
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<td>3:00pm</td>
<td>Abstract #1819—Comparison of External Rhinoplasty Versus Endoscopic Approach to Transsphenoidal Sellar Mass Resection: Naveen Bhandarkar</td>
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<td>3:08pm</td>
<td>Abstract #1828—Endoscopic Modified Endonasal Denker Operation for Management of Tumor in Pterygopalatine and Infratemporal Fossae: DeHui Wang</td>
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<td>3:16pm</td>
<td>Abstract #1829—Endoscopic Removal of a Silent Middle Turinate Angiofibroma: Ping-Hung Shen</td>
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<td>IRS/ISIAN PAPER SESSIONS</td>
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<td>1:30pm</td>
<td>Abstract #1572—Mastoid Bone as a New Graft Material in Rhinoplasty: Mahmoud Sadoughi</td>
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<td>Abstract #1683—Pulp Necrosis and Septorhinoplasty: Mehdi Bakhshaee</td>
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<td>1:46pm</td>
<td>Abstract #1697—Mastoid Bone as a New Graft Material in Rhinoplasty: Mahmoud Sadoughi</td>
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<td>2:00pm</td>
<td>Abstract #1822—Lateral Crus Pull-Up for the Collapse of External Nasal Valve: Rhinomanometric and Rhinometric Study: Ignazio Tasca</td>
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<td>2:08pm</td>
<td>Abstract #1823—Nasal Dorsum Cosmetic Contour by Cartilaginous Sandwich Graft Technique: Ignazio Tasca</td>
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<td>2:16pm</td>
<td>Abstract #1835—The Effect Of Postauricular Fascial Flap In Otoplasty: Yaser Khalil</td>
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<td>2:30pm</td>
<td>Abstract #1571—Changed Nasal Cavity and Paranasal Sinus Airflow Velocity and Distribution After Total Sinuectomy: A Computational Fluid Dynamics Study: Xu Geng</td>
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<td>2:38pm</td>
<td>Abstract #1580—Paranasal Sinus Disease and Airway Inflammation in Prednisone-Dependent Asthma: Bosco Lui</td>
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<td>2:46pm</td>
<td>Abstract #1678—Morphological Variation of Nasal Cavity Effect on Nasal Patency—CFD Simulation with a Turbulent Model: Wang De Yun</td>
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<td>3:00pm</td>
<td>Abstract #1682—The Validity of Peak Nasal Inspiratory Flow: Kornkiet Snidvongs</td>
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<td>3:08pm</td>
<td>Abstract #1696—Relationship Between Olfactory Acuity and Peak Expiratory Flow During Postoperative Follow-Up In Chronic Rhinosinusitis Associated With Asthma: Katsuhisa Ikeda</td>
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<td>3:16pm</td>
<td>Abstract #1878—Sensation of Nasal Patency Through Mucosal Heat Loss Rather Than Air Temperature: Kai Zhao</td>
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<td>2:35–3:30pm</td>
<td>DEMONSTRATION DISSECTION: Extended Frontal</td>
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<td>2:35–4:00pm</td>
<td>MINI SEMINAR (ARS): Frontal Sinus–State of the Art</td>
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<td>2:35–3:30pm</td>
<td>MINI SEMINAR: The Marriage of Function &amp; Aesthetics in Rhinoplasty</td>
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### MINI SEMINAR: Evidence Based Medicine for Immunotherapy
Logans 1
Chair: Richard Haydon, Moderator: Bradley Marple
How Does Immunotherapy Work?: Luisa Bellussi
Immunotherapy Indication and Duration?: Steven Houser
Immunotherapy Outcome?: Matthew Ryan
Novel Immunomodulation for Allergy: Jack Krouse

### MINI SEMINAR: Mucosal Innate Immunity and CRS
Logans 2
Chair: Claus Bachert, Moderator: Andrew Lane
Introductory Remarks: Claus Bachert
Overview of Sinonasal Innate Immunity: David Conley
Innate Immune Dysregulation in CRS with Nasal Polyps: Andrew Lane
Innate Immunity and Barrier Dysfunction in CRS Pathogenesis: Robert Schleimer
Questions
Closing Remarks: Therapeutic Implications: Claus Bachert

### BREAK: Refreshments & Exhibits
Freedom/Independence Ballroom

### MINI SEMINAR: Reflux Disease in the Upper Airway
Live Nasoendoscopy (Olympus)
Logans 2
Chair: Michael Setzen, Moderator: John DelGaudio
Introduction: Michael Setzen
Support of a Connection: John DelGaudio
Lack of Support for a Connection: Bradley Marple
Closing Remarks: Michael Setzen

### MINI SEMINAR: Computer Modeling in Rhinology
Logans 1
Chair: Marvin Fried, Moderator: Martin Citardi
Quantitative Endoscopy in Sinus and Endoscopic Skull Base Surgery: Masaru Ishii
The Pattern and Physical Characteristics of Airflow in Healthy and Pathological Conditions—A Computational Fluid Dynamics Model: De Yun Wang

### MINI SEMINAR: Management Strategies for Chronic Rhinitis
Salon 1
Chair: Vladimir Kozlov Moderator: Jordon Josephson
Chronic Rhinitis: Evaluation and Initial Management: Eugenia Vining
Topical Therapy for Chronic Rhinitis: Fabiana Valera
When Might FESS Be Recommended in CRS?: Christian Buchwald

### INSTRUCTIONAL COURSE: Advanced Imaging Techniques
Salon 10
Moderator: Vijay Rao
Planning Surgery: Understanding Imaging of the Paranasal Sinuses: Salil Nair
Imaging Pearls in Special Cases: S. James Zinreich
Advanced Imaging in Revision FESS: S. James Zinreich
Panel Discussion

### INSTRUCTIONAL COURSE: Tips for Minimizing Complications in FESS
Salon 5/6
Moderator: Wilma Anselmo-Lima
FESS: There Are Rules About How to Avoid Complications: Ranko Mladina
How to Reduce Bleeding in Ethmoidectomy for Nasal Polyposis: Elie Serrano
FESS: Changes in Air Flow of the Nasal Cavity & Sinuses after FESS: Geng Xu
Frontal Sinus Surgery: Which Procedure to Choose?: James Palmer

4:00–5:00pm INSTRUCTIONAL COURSE: Management of Rhinosinusitis in Pediatric Population
Salon 9
Moderator: Lawrence Tom
Changes and Trends in Management: Ken Kazahaya
My Approach: Ralph Wetmore
Case Presentations*: Ken Kazahaya, Ralph Wetmore, Lawrence Tom
*The Audience is Encouraged to Bring Case Presentations for Discussion.

4:00–5:00pm INSTRUCTIONAL COURSE: The Nasal Dorsum
Liberty Ballroom D
Moderator: Oren Friedman
Correction of Saddle Nose Deformities: Edmund Pribitkin
Final Touch of Excellence: Daniel Simmen
Managing Complications Related to the Augmented Dorsum: Philip Miller
The Radix Area as Part of a Balanced Rhinoplasty: David Gatland
The Management of the Broad Dorsum: Nick Jones

4:00–5:00pm INSTRUCTIONAL COURSE: Management & Effects of Cocaine Abuse
Seminar A
Moderator: Matteo Trimarchi
Introduction: Mario Bussi
Diagnosis: Matteo Trimarchi and Mario Bussi
Apoptosis: Matteo Trimarchi
Nasal Septal Repair: Fernando Pedroza
Conclusions: Mario Bussi
Discussion with Participants

4:00–5:00pm INSTRUCTIONAL COURSE: Ethnic Rhinoplasty
Liberty Ballroom C
Moderator: Ira Papel
Introduction to Ethnic Rhinoplasty Considerations: Ira Papel
Mestizo/South American Rhinoplasty: Roxana Cobo
Middle Eastern Rhinoplasty: Alireza Mesbahi
Alar Base in Ethnic Rhinoplasty: Minas Constantinides
Asian Rhinoplasty: Yong Ju Jang
Summary/Questions: Ira Papel

6:30–8:30pm WELCOME RECEPTION
Liberty Ballroom AB