

Friday, September 16, 2016 – General Session – (LIVE INTERNATIONAL WEBCAST)

12:55 PM

Welcome

Peter Hwang, MD – ARS President

John Del Gaudio, MD – President-Elect / Program Chair

1:00 PM

Panel: Timing of Sinus Surgery: How Quickly Should We Intervene?

Moderator: Richard Orlandi, MD

Zackary Soler, MD

Bruce Tan, MD

Claire Hopkins, MD

Moderators: Timothy Smith, MD and Doug Reh, MD

1:40 PM

Double-blind Placebo-controlled Randomized Clinical Trial of Verapamil for Chronic Rhinosinusitis with Nasal Polyps: A Pilot Study

Marcel M. Miyake, MD

1:47 PM

Asthma Quality of Life and Control in Patients with Chronic Rhinosinusitis

Rodney Schlosser, MD

1:54 PM

Surgical Therapy Versus Continued Medical Therapy for Medically Refractory Chronic Rhinosinusitis: Systematic Review and Meta-analysis

Zara M. Patel, MD

2:01 PM

Correlation Between Extent of Sinus Surgery, Radiographic Burden of Disease, And Post-Operative Quality of Life Outcomes

Noel F. Ayoub, BS

2:08 PM

Tolerance and Pharmacokinetics of a Ciprofloxacin-coated Sinus Stent in a Preclinical Model

Do-Yeon Cho, MD

2:15 PM

Q&A

2:20 PM

Presidential Address

Peter Hwang, MD

2:40 PM

Pitfalls in Radiologic Imaging of the Sinuses and Skull Base

Patricia Hudgins, MD

3:10 PM

Break with Industry Partners

3:30 PM

Panel: Are you doing Appropriate ESS? Who should have sinus surgery?

Moderator: Rodney Schlosser, MD

Panelists:

Donald Lanza, MD

Richard Douglas, MD

Parul Goyal, MD

Moderators: Noam Cohen, MD and Vijay Ramakrishnan, MD

4:10 PM

Differential Innate Immunity Gene Expression Between Corticosteroids Responsive and Non-Responsive Patients with Chronic Rhinosinusitis and Nasal Polyposis

Naif Fnais, MBBS

4:17 PM

Interepithelial Transfer of Exosomal P-glycoprotein Promotes Inflammation in Chronic Sinusitis with Nasal Polyps

Angela L. Nocera, MS

4:24 PM

Association Between the Cdhr3 Snp (rs6967330) Risk Allele and Chronic Rhinosinusitis

Amanda L. Willis, MS

4:31 PM

Staphylococcus Aureus Extracellular Proteases Causes Dysfunction of the Airway Epithelial Barrier and Impairs Il-6 Production

Jae Murphy, MBBS

4:38 PM

Prevention of Sinonasal Inflammation by a Synthetic Glycosaminoglycan

Abigail Pulsipher, PhD

4:45 PM

Q & A

4:50 PM

Film FESStival

Moderator: Adam DeConde, MD

Panelists:

Subinoy Das, MD

Martin Citardj, MD

Anne Getz, MD

Satish Govinderaj, MD

Stacey Gray, MD

5:30 PM

Closing Remarks and Meeting Adjourned

Saturday, September 17, 2016 - General Plenary Session (LIVE INTERNATIONAL WEBCAST)

6:55-7:55

Ancillary Breakfast Symposium (Pending)

7:55AM

Welcome

John DelGaudio, MD – President Elect / Program Chair

8:00 AM

Panel: The Socioeconomic Impact of CRS and FESS

Michael Stewart, MD

Ralph Metson, MD

Mike Benninger, MD

Mike Setzen, MD

8:35AM

The 12th Annual Kennedy Lecture

Endoscopic Skull Base Surgery: State of the Art & Future Directions

Ricardo Carrau, MD

9:15 AM

Break with Industry Partners

9:40 AM

Radiologic Workup of CSF Leak and Skull Base Defects

Patricia Hudgins, MD

10:10 AM

Panel: Skull Base Issues: When to Resect Skull Base and Orbit

Adam Zanation, MD

Ricardo Carrau, MD

Patricia Hudgins, MD

Arturo Solares, MD

10:50 AM

Valuing Rhinology Procedures: Why RUC Surveys Should Matter to You!

Peter Manes, MD

Jenna Minton, JD

11:20 AM

Panel: AAOA Combined panel: Pediatric CRS: Does it Exist?

Sarah Wise, MD

David Clark, MD

Richard Harvey, MD

Whit Mims, MD

Kara Prickett, MD

Hassan Ramadan, MD

12:00 PM

Lunch with Industry Partners

12:15-1:00 PM

Residents and Fellows Program Luncheon

Five mistakes I Made so you Don't Have to: How to Succeed in Your Early Career and the ARS

Jamie Litvack, MD

Ayesha Khalid, MD

Adam DeConde, MD

Spencer Payne, MD

Saturday September 17, 2016 – Breakout Room A

1:00 PM

Welcome:

Erin O'Brien, MD,
Breakout A - Chairperson

Moderators:

David Poetker, MD & Jivianne Lee,
MD

1:05 PM

**Clinical Interpretability of the Empty
Nose Syndrome 6-item
Questionnaire (ens6q) Using Office-
based Cotton Testing**

Andrew Thamboo, MD, MHSc

1:12 PM

**Computational Fluid Dynamics (cfd)
And Trigeminal Sensory
Examinations of Empty Nose
Syndrome Patients: Pre and Post
Turbinates Surgery**

Kai Zhao, PhD

1:19 PM

**Arterial Ligation Versus Embolization
in Epistaxis Management:
Counterintuitive National Trends**

Michael J. Sylvester, A.B.

1:26 PM

**Ergonomic Analysis of the Surgical
Position in Fess**

Benjamin Milam, MD

1:33 PM

Q&A

Moderators:

Brad Mechor, MD & Anne Getz, MD

1:40 PM

**Determinants and Outcomes of
Upfront Surgery vs. Medical Therapy
for Chronic Rhinosinusitis in Cystic
Fibrosis**

Noel F. Ayoub, BS

1:47 PM

**F508del Genotype in Endoscopic
Sinus Surgery: A Predictor for
Improvement in Pulmonary Function
Tests After Sinus Surgery**

Ashleigh A. Halderman, MD

1:54 PM

**Effect of Viral Infection On Clinical
Severity of Sinonasal Disease and
Iron Sequestration in Cystic Fibrosis
Patients**

Nicholas R. Rowan, MD

2:01 PM

**Partial Loss of CFTR Function in CF
Carriers Leads to Craniofacial Sinus
Hypoplasia and Increased Incidence
of Chronic Rhinosinusitis**

Joshua B. Calton, BS

2:08 PM

**Sinus Surgery Improves Quality of
Life, Lung Infections and Lung
Function in Patients with Primary
Ciliary Dyskinesia**

Mikkel C. Alanin, MD

2:15 PM

Q&A

2:20 PM

**Panel: Sinus Disease and the
Immunocompromised Patient**

Moderator: David Conley, MD

Panelists:

Zara Patel, MD

Erin O'Brien, MD

Andrew Lane, MD

2:50 PM

Break with Industry Partners

Moderators:

Christopher Church, MD & Mark
Zacharek, MD

3:20 PM

**Nrf2 Activation Restores House Dust
Mite Induced Sinonasal Epithelial Cell
Barrier Dysfunction**

Nyall R. London, MD, PhD

3:27 PM

**Differential Cl Neg secretory capacity
in Transepithelial Ion Transport
Properties in Chronic Rhinosinusitis**

Do-Yeon Cho, MD

3:34 PM

**Liquid Chromatography/tandem
Mass Spectrometry Profiling of
Eicosanoid and Docosanoid
Metabolomes in Chronic
Rhinosinusitis**

Thad W. Vickery, BA

3:41 PM

**B Cells Lacking Cd180 in Chronic
Rhinosinusitis**

Dijana Miljkovic, MS

3:48 PM

Q&A

Moderators:

Elina Toskala, MD & Justin Turner, MD

3:52 PM

**Irrigation Based Corticosteroid
Therapy is More Effective than
Simple Sprays in Managing Post-
Surgical Chronic Rhinosinusitis**

Richard J. Harvey, MD, PhD

3:59 PM

Comparison of Single Versus Double Strength Budesonide Irrigations in Patients with Chronic Rhinosinusitis with Polyposis after Endoscopic Sinus Surgery

Paul D. Neubauer, MD

4:06 PM

The Safety of Long-term Intranasal Budesonide Delivered Via the Mucosal Atomization Device for Chronic Rhinosinusitis

Jamil Manji, MSc

4:13 PM

Manuka Honey Sinus Irrigation for the Treatment of Chronic Rhinosinusitis: A Randomized Controlled Trial

Victoria S. Lee, MD

4:20 PM

Q&A

4:25 PM

Panel: **What I learned in Training but have Abandoned in Practice: Experience or Evidence?**

Moderator: James Palmer, MD

Panelists:

Jean Anderson Eloy, MD

Alkis Psaltis, MD

Justin Turner, MD

Eugenia Vining, MD

5:00 PM

Closing Remarks and Meeting Adjourned

Saturday September 17, 2016 – Breakout Session B – (LIVE INTERNATIONAL WEBCAST)

1:00 PM

Welcome: Raj Sindwani, MD,
Breakout B – Chairperson

Moderators:

Douglas Reh, MD & Marc Dubin, MD

1:05 PM

**Changing The Surgical Dogma in
Frontal Sinus Trauma: Transnasal
Endoscopic Repair**

Jessica W. Grayson, MD

1:12 PM

**Efficacy and Safety of Endoscopically-
Assisted Transblepharoplasty
Approach for Frontal Sinus Pathology**

Eric W. Wang, MD

1:19 PM

**Cryosurgical Posterior Nasal Nerve
Ablation for The Treatment of
Rhinitis**

Peter Hwang, MD

1:26 PM

**Utility of Intraoperative Frozen
Sections in Surgical Decision Making
for Acute Invasive Fungal
Rhinosinusitis**

Peter Papagiannopoulos, MD

1:33 PM

Q&A

Moderators:

Leigh Sowerby, MD & Ash Kacker, MD

1:40 PM

**Temporal Patterns of Fdg Pet/ct
Sinonasal Uptake Following
Treatment of Sinonasal Malignancy**

Joseph B. Schwartz, MD, FRCS

1:47 PM

**A Cost Comparison of Vascular Flap
and Free Tissue Graft Reconstruction
of Intradural Skull Base Defects**

Bryan Brandon, MD

1:54 PM

**Failure Pressures After Repairs of
2x2.5 Cm Rhinologic Dural Defects in
A Porcine Ex Vivo Model**

Ryan P. Lin, MD

2:01 PM

**Clinical Outcomes of Sinonasal
Squamous Cell Carcinomas Based on
Tumor Etiology**

Carol Yan, MD

2:08 PM

**Enlargement of Meckel's Cave in
Patients with Spontaneous
Cerebrospinal Fluid Leaks**

Geoffrey P. Aaron, MD

2:15 PM

Q&A

2:20 PM

**Panel: The Minimal Disease Patient:
Do I Operate and When?**

Moderator: Jeremiah Alt, MD

Panelists:

Raj Sindwani, MD

Spencer Payne, MD

Rick Chandra, MD

2:50 PM

Break with Industry Partners

Moderators:

Jastin Antisdell, MD & Jose Gurrola II,
MD

3:20 PM

**Inflammatory Infiltrate and Mucosal
Remodeling in Chronic Rhinosinusitis
with and Without Polyps: Structured**

Histopathologic Analysis

Hannah N. Kuhar, BA

3:27 PM

**Age-related Changes in Nasal
Mucosal Histology of Adult Patients
Without Inflammatory Sinonasal
Disease**

Patricia A. Loftus, MD

3:34 PM

**The Efficacy of a Novel Budesonide
Chitosan Gel on Wound Healing
Following Endoscopic Sinus Surgery**

Thanh N. Ha, MD

3:41 PM

**The Effect of Chitosan-dextran Gel
with Budesonide and Ropivacaine On
Pain and Wound Healing Following
Endoscopic Sinus Surgery**

Aaron Rayan, BMedSci (Hons)

3:48 PM

Q&A

Moderators:

Lori Lemonnier, MD & Charles Ebert,
MD

3:52 PM

**The Development and Validation of
Septoplasty Surgical Training Model
Using Three Dimensional Printing**

Mahmoud A. AlReefi, MD

3:59 PM

**The Development and Validation of A
3d Printed Ostiomeatal Complex and
Frontal Sinus Training Model for
Endoscopic Sinus Surgery**

Abdulaziz Alrasheed, MD

4:06 PM

**Use of The Concentric Tube Robot in
The Maxillary Sinus**

Madeleine B. Samuelson, MD

4:13 PM

**Development of A Fully Automated
Ct Sinus Auto-segmentation Pipeline**

Spencer Payne, MD

4:20 PM

Q&A

4:25 PM

**Panel: The Recurrent Nasal Polyp
Patient: What now?**

Moderator: Amber Luong, MD

Panelists

Stilianos Kountakis, MD

David Poetker, MD

Jivianne Lee, MD

5:00 PM

**Closing Remarks and Meeting
Adjourned**

Saturday September 17, 2017 – Breakout Room C

1:00 PM

Welcome: Stella Lee, MD,
Breakout Room C - Chairperson

Moderators:

Michael Platt, MD & Adam DeConde,
MD

1:05 PM

Low Molecular Arginine Rich Peptides Stimulate No Production and Decrease Bacterial Density in Respiratory Cell Cultures Infected with Staphylococcus Aureus
Mark A. Zacharek, MD

1:12 PM

Examination of High-antibiotic Users in A Multi-Institutional Cohort of CRS Patients
Vijay R. Ramakrishnan, MD

1:19 PM

Innate Immune Response of Nuli-1 Cells to Staphylococcus Aureus Small Colony Variant Infections
Judy Ou, MD

1:26 PM

A Surgical Hydrogel to Combat Mssa and Mrsa Biofilms

1:33 PM

Q&A

Moderators:

Zachary Soler, MD & Pablo Stolovitsky, MD

1:40 PM

Unsupervised Network Mapping of Commercially Available Immunoassay Yields Three Distinct Chronic Rhinosinusitis Endotypes
Rohit Divekar, MBBS, PhD

1:47 PM

Measuring Patient Expectations Regarding Diagnoses and Treatment for Rhinosinusitis
Lauren Roland, MD

1:54 PM

Influence of Interpersonal Traits On Patient Outcomes in The Treatment of Chronic Rhinosinusitis
Joshua M. Levy, MD, PhD

2:01 PM

Quality Measures in Rhinology: Results of a National Survey
John S. Schneider, MD

2:08 PM

Association of Olfactory Dysfunction in Chronic Rhinosinusitis with Economic Productivity and Medication Usage
Rodney Schlosser, MD

2:15 PM

Q&A

2:20 PM

Panel: Sinus Surgery Mulligan: A case I would now do Differently
Moderator: Roy Casiano, MD
Panelists:
Peter John Wormald, MD
Todd Kingdom, MD
Pete Batra, MD

2:50 PM

Break with Industry Partners

Moderators: Subinoy Das, MD & Esther Kim, MD

3:20 PM

The Longitudinal Impact of Genetics and Clinical Interventions On the

Microbiome of Patients with Chronic Rhinosinusitis
Amanda L. Willis, MD

3:27 PM

Sinonasal Microbiome Taxa and Diversity Differ in Subjects with Allergic Rhinitis, Chronic Rhinosinusitis (CRS) Without Nasal Polyps and CRS with Nasal Polyposis
Emily K. Cope, PhD

3:34 PM

Mapping Microbiome Variations in The Noses of Heathy and Diseased Subjects
Devyani Lal, MD

3:41 PM

Can a Panel of Serum Inflammatory Biomarkers Predict Endoscopic Sinus Surgery Outcomes for Chronic Rhinosinusitis?
Marc-Henri Asmar, MD

3:48 PM

Q&A

Moderators:

Greg Davis, MD & Benjamin Bleier, MD

3:52 PM

Sinonasal Epithelium Produces Nitric Oxide in Response to Staphylococcus Epidermidis Products
Ryan M. Carey, BSE

3:59 PM

Stimulatory Effects of Histamine on Migration of Nasal Fibroblasts
Ryan M. Carey, BSE

4:06 PM

**Bactericidal Antibiotics Promote
Oxidative Inflammation and Cell
Death in Sinonasal Epithelial Cells**

Michael A. Kohanski, MD, PhD

4:13 PM

**Responsiveness and Reliability of the
Sinus Control Test in Chronic
Rhinosinusitis**

Preeti Kohli, BA

4:20 PM

Q&A

4:25 PM

**Panel: Failed Sinus Surgery: Revise
or Advanced?**

Moderator: Kevin Welch, MD

Panelists:

Alex Chiu, MD

Devyani Lal, MD

Brad Woodworth, MD

5:00 PM

**Closing Remarks and Meeting
Adjourned**