

Program Schedule
**Tackling Problematic Sinusitis:
Evolving Towards Personalized Management**

Thursday, March 22, 2018

7:00 a.m. **Registration and Continental Breakfast**

7:45 a.m. **Course Overview and Pre-Test**
Devyani Lal, M.D.

Problematic Sinusitis: Definitions, Pathophysiology, and Personalized Diagnosis

MODERATORS: Matthew Rank, M.D. and Osarenoma (Noma) Olomu, M.D.

8:00 a.m. **Personalized Care: What Does It Mean in CRS?**
Valerie Lund, FRCS, CBE

8:30 a.m. **The Immune Barrier Hypothesis in CRS Pathophysiology**
Robert Schleimer, Ph.D.

9:00 a.m. **Pathophysiology of Biologically Recalcitrant Chronic
Rhinosinusitis (CRS) Subtypes**
Larry Borish, M.D.

9:30 a.m. **Type 2 Immunity in CRS: How Do We Tell?
Therapeutic Options?**
Bruce Tan, M.D.

10:00 a.m. **Break**

10:30 a.m. **The Unified Airway Hypothesis**
Matthew Rank, M.D.

11:00 a.m. **The Airway in Extreme Environment: Experiments
on Mount Everest**
Valerie Lund, FRCS, CBE

11:30 a.m. **Clinical Testing for Endotyping CRS and Directing
Personalized Therapy**
Devyani Lal, M.D.

12:00 p.m. **Panel with Q & A: Personalizing Diagnosis**

12:30 p.m. **Lunch**

Thursday, March 22, 2018 (continued)

Problematic Sinusitis: Medical Management

Overview of Medical Management

MODERATORS: Erin O'Brien, M.D. and Michael Marino, M.D.

- 1:30 p.m. **Pre-Operative Medical Management:
What is "Appropriate Medical Therapy"?**
Richard Orlandi, M.D.
- 2:00 p.m. **Biologics for Chronic Rhinosinusitis?**
John Hagan, M.D.
- 2:30 p.m. **Post-Operative Medical Management:
Topical Therapy**
Erin O'Brien, M.D.
- 3:00 p.m. **Management of Allergy and Immunodeficiency
in the CRS Patient**
Mark Schubert, M.D., Ph.D.
- 3:30 p.m. **Break**

Personalized Approaches in CRS Therapy: Interactive Session

MODERATORS: Devyani Lal, M.D. and Garret Choby, M.D.

- 4:00 p.m. **Small Group Discussion with Q & A:
Choosing the Right Medical Therapy**
- Moderators: Devyani Lal, M.D.; Mark Schubert, M.D., Ph.D.;
Larry Borish, M.D.; Erin O'Brien, M.D.;
Richard Orlandi, M.D.; Michael Marino, M.D.;
Matthew Rank, M.D.; Valerie Lund, FRCS, CBE;
Osarenoma (Noma) Olomu, M.D.
- 4:30 p.m. **Medical Management Cases**
- Moderators: Matthew Rank, M.D. and Erin O'Brien, M.D.
- Presenters: Garret Choby, M.D.; Angela Donaldson, M.D.;
John Hagan, M.D.
- Panelists: Larry Borish, M.D.; Devyani Lal, M.D.;
Valerie Lund, FRCS, CBE; Richard Orlandi, M.D.;
Mark Schubert, M.D., Ph.D.

Thursday, March 22, 2018 (continued)

- 5:15 p.m. **Q & A for All Faculty for the Day**
- 5:30 p.m. **Adjourn**
- 5:45 p.m. **Welcome Reception and Resident-Fellow Poster Presentations to Guest Faculty and Attendees**

Friday, March 23, 2018

Personalized Management of Problematic Sinusitis Subtypes

7:15 a.m.	Continental Breakfast
MODERATORS:	Matthew Rank, M.D. and Angela Donaldson, M.D.
8:00 a.m.	CRS with Systemic Disease Valerie Lund, FRCS, CBE
8:30 a.m.	CRS with Nasal Polyposis Richard Orlandi, M.D.
9:00 a.m.	Allergic Fungal Sinusitis and AERD Subtypes Erin O'Brien, M.D.
9:30 a.m.	CRS without Nasal Polyposis Michael Marino, M.D.
10:00 a.m.	Panel with Q & A : Personalized Management of CRS Robert Schleimer, Ph.D. and Morning Faculty
10:30 a.m.	Break
11:00 a.m.	Sinus Headache Management: ENT Perspective Devyani Lal, M.D.
11:30 a.m.	Sinus Headache Management: Neurology Perspective Rashmi Halker Singh, M.D.
12:00 p.m.	Sinus Headache Q & A
12:20 p.m.	CT Imaging: Anatomy and Characteristics in Recalcitrant CRS Joseph Hoxworth, M.D.
12:50 p.m.	Q & A
1:00 p.m.	Lunch

Friday, March 23, 2018 (continued)

- 1:30 p.m. **Prosection Interactive Session with Audience Questions and Requests**
Devyani Lal, M.D.
- Surgeon Focused Session
Moderated by Valerie Lund, FRCS, CBE;
Michel Marino, M.D.; Richard Orlandi, M.D.
- Non-Surgeon Focused Session
Moderated by Matthew Rank, M.D.; Larry Borish, M.D.;
Erin O'Brien, M.D.
- 3:00 p.m. **Break**
- MODERATORS:** Erin O'Brien, M.D. and Osarenoma (Noma) Olomu, M.D.
- 3:30 p.m. **Pediatric Sinusitis and Cystic Fibrosis (Includes Medical Surgical Management, CF)**
Janalee Stokken, M.D.
- 4:00 p.m. **“Malignant” Sinusitis and Sinonasal Tumors**
Valerie Lund, FRCS, CBE
- 4:30 p.m. **Q & A**
- 5:00 p.m. **Panel: Addressing Causes of Failed Surgery**
- Moderators: Erin O'Brien, M.D.;
Osarenoma (Noma) Olomu, M.D.
- Presenters: Garrett Choby, M.D.; Angela Donaldson, M.D.;
Janalee Stokken, M.D.; Michael Marino, M.D.
- Panelists: Timothy Haegen, M.D.; Devyani Lal, M.D.;
Valerie Lund, FRCS, CBE; Richard Orlandi, M.D.;
Bruce Tan, M.D.
- 6:00 p.m. **Announcement: End of Common Sessions until Research Session; Disburse**

Saturday, March 24, 2018

Advancing Personalized Management through Diagnostics, Therapy and Research

7:15 a.m. **Continental Breakfast**

Surgeon Track: Advancing Personalized Surgical Management

MODERATORS: Erin O'Brien, M.D. and Michael Marino, M.D.

8:00 a.m. **Tips in Revision Sinus Surgery**
Richard Orlandi, M.D.

8:30 a.m. **Frontal Sinus Anatomy and Surgery**
Devyani Lal, M.D.

9:00 a.m. **Managing Complications of Sinus Surgery**
Erin O'Brien, M.D.

9:30 a.m. **Q & A**
Richard Orlandi, M.D.; Devyani Lal, M.D.;
Erin O'Brien, M.D.

10:00 a.m. **Break**

10:30 a.m. **Post-Operative Debridement**
Ryan Rehl, M.D.

11:00 a.m. **Optimizing Outcomes from ESS: Expert Pearls**
Valerie Lund, FRCS, CBE

11:30 a.m. **Panel Q & A**
Devyani Lal, M.D.; Valerie Lund, FRCS, CBE;
Erin O'Brien, M.D.; Richard Orlandi, M.D.;
Ryan Rehl, M.D.; Bruce Tan, M.D.

12:00 p.m. **Post Test for Surgical Group**

12:15 p.m. **Lunch**

Non-Surgeon Track

MODERATORS: Matthew Rank, M.D. and Benjamin Wright, M.D.

8:00 a.m. **How to Manage Asthma in Patients with
Problematic Sinusitis**
Tara Carr, MD

8:30 a.m. **Aspirin Desensitization: a Case-Based and
Interactive "How-To" Workshop**
Matthew Rank, M.D.

Saturday, March 24, 2018 (continued)

- 9:30 a.m. **Basic Sinus Anatomy and Timing of CT Scan in Sinusitis**
Bruce Tan, M.D.
- 10:00 a.m. **Break**
- 10:30 a.m. **Nasal Endoscopy Basics: Photos and Videos**
John Hagan, M.D.
- 11:00 a.m. **Nasal Endoscopy Hands-on Workshop**
John Hagan, M.D.; Timothy Haegen, M.D.;
Osarenoma (Noma) Olomu, M.D.;
Angela Donaldson, M.D.; Michael Marino, M.D.;
Matthew Rank, M.D.; Janalee Stokken, M.D.
Chelsea Aldridge, P.A.-C.
- 12:00 p.m. **Post Test for Medical Group**
- 12:15 p.m. **Lunch**
- Functional Nasal Surgery Workshop**
- MODERATORS:** Osarenoma (Noma) Olomu, M.D.; Angela Donaldson, M.D.
- 1:00 p.m. **Nasal Obstruction: Overview and Evaluation**
Grant Hamilton, M.D.
- 1:30 p.m. **Nasal Valve Dysfunction and Treatment**
Brittany Howard, M.D.
- 2:00 p.m. **The Challenging Nasal Septum**
Grant Hamilton, M.D.
- 2:30 p.m. **Septal Perforation Surgery**
Stephen Bansberg, M.D.
- 3:00 p.m. **Break**
- 3:30 p.m. **Case Presentations/Discussion**
- 4:30 p.m. **Update on Upper Airway Stimulation for Sleep Apnea**
Stephen Bansberg, M.D.
- 5:00 p.m. **Questions and Answers**
- 5:30 p.m. **Adjourn**

Cutting Edge Sinusitis Research Workshop

- MODERATORS:** Erin O'Brien, M.D.; Matthew Rank, M.D.; Benjamin Wright, M.D. (Remarks on Dr. Lee By Dr. Wright)
- 1:00 p.m. **Using Animal Models to Understand Sinusitis**
Hirohito Kita, M.D.
- 1:30 p.m. **CRSwNP Pathophysiology: New Data**
Robert Schleimer, Ph.D.
- 2:00 p.m. **Antibodies, B-Cells, Complement and IgD-
the A-B-C-D's of CRS**
Bruce Tan, M.D.
- 2:30 p.m. **Upper Airway Microbiome and CRS**
Emily Cope, Ph.D.
- 3:00 p.m. **Break**
- 3:30 p.m. **Environment and Genetics in Sinusitis**
Devyani Lal, M.D.
- 4:00 p.m. **Novel(ish) Arachidonic Acid Mediators**
Larry Borish, M.D.
- 4:30 p.m. **The Past Year's Most Impactful Clinical Trials
in CRS**
Tara Carr, M.D.
- 5:00 p.m. **Q & A; Panel Discussion: Studies We Need to
Conduct in Sinusitis**

Moderators: Matthew Rank, M.D.; Erin O'Brien, M.D.; Benjamin Wright, M.D.

Panelists: All Faculty
- 5:30 p.m. **Adjourn**