



**RHINOWORLD  
CHICAGO 2019**

ISIAN • IRS • ARS

Featuring Pre-Course Dissections on June 5, 2019

# RHINOWORLD CHICAGO

June 5-9, 2019 Sheraton Grand Chicago

THE PREMIER CONGRESS FOR RHINOLOGISTS

## Program Guide



**Combined International Rhinology Meeting**



**ISIAN**



[RhinoWorld2019.com](http://RhinoWorld2019.com)



## CME

**Satisfactory Completion** - Learners must complete an evaluation form to receive a certificate of completion. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. If you are seeking continuing education credit for a specialty not listed below, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement.

**Accreditation Statement** - The American Rhinologic Society (ARS) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

**Credit Designation Statement** - The ARS designates this live activity for a maximum of 32.0 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

International attendees may obtain a certificate of attendance from the staff at the registration desk at the conclusion of the meeting.

## WIFI

Network: sheraton grand meetings  
Password: rhinoworld19

# PROGRAM-AT-A-GLANCE

## WEDNESDAY, JUNE 5, 2019 – SHERATON BALLROOM 4

8:00am-9:00am

**SSS: How I Do It – Primary ESS**  
Eugenia Vining MD, Dissecting

9:00am-10:00am

**SSS: How I Do It – Frontal ESS**  
Brent Senior, MD, FARS, Dissecting

10:00am-10:30am

**Break - Exhibit Hall, Riverwalk A**

10:30am-12:00pm

**SSS: Advanced Cadaver Dissection**  
Sarah Wise, MD, FARS, Dissecting

## THURSDAY, JUNE 6, 2019 – SHERATON BALLROOM 4

10:00am-10:30am

**Break - Exhibit Hall, Riverwalk A**

10:30am-11:30am

**SSS: Complications of ESS**  
Mod: Timothy Smith, MD, FARS  
David Conley, MD, FARS  
Peter Hwang, MD, FARS  
Devyani Lal, MD, FARS  
Peter Manes, MD, FARS  
James Palmer, MD, FARS

11:30am-12:30pm

**SSS: Would You Do This in Your Office?**

Mod: John DelGaudio, MD, FARS  
Martin Citardi, MD, FARS  
Marc Dubin, MD, FARS  
Amber Luong, MD, PhD, FARS  
Spencer Payne, MD, FARS

12:30pm-1:30pm

**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

1:30pm-2:15pm

**SSS: Revision Sinus Surgery-How to Do It and How to Avoid It**

Mod: Richard Orlandi, MD, FARS  
Roy Casiano, MD, FARS  
Yvonne Chan, MD, FARS  
Greg Davis, MD, FARS  
Michael Sillers, MD, FARS  
Justin Turner, MD

2:15pm-3:00pm

**SSS: Nasal Polyps – Innovative Surgery and Medical Management**

Mod: Michael Stewart, MD, FARS  
Joseph Han, MD, FARS  
Stephanie Joe, MD, FARS  
Kevin Welch, MD, FARS

3:00pm-3:30pm

**Break - Exhibit Hall, Riverwalk A**

4:00pm-5:00pm

**Opening Ceremony – ARS, IRS, ISIAN – Welcoming Remarks**  
Robert Kern, MD, FARS-ISIAN  
President  
Brent Senior, MD, FARS-IRS  
President  
James Palmer, MD, FARS-ARS  
President;  
David Kennedy, MD, FARS-ISIAN  
General Secretary  
Metin Onerci, MD-IRS General  
Secretary  
Keynote Speaker: Valerie Lund, MD

5:00pm-7:30pm

**Cocktail Reception – Riverwalk**

## THURSDAY, JUNE 6, 2019 – SHERATON 5

1:30pm-2:15pm

**SSS: Surgical Failures after Textbook Surgery - The Chronically Infected Sinus**

Mod: Stacey Gray, MD, FARS  
Andrew Goldberg, MD, FARS  
Eric Holbrook, MD, FARS  
Todd Kingdom, MD, FARS  
Donald Lanza, MD, FARS  
Jivianne Lee, MD, FARS

2:15pm-3:00pm

**SSS: Balloon Dilation-From Sinuses to Eustachian Tubes**

Mod: Michael Setzen, MD, FARS  
Benjamin Bleier, MD, FARS  
Rakesh Chandra, MD, FARS  
Erin O'Brien, MD, FARS  
Douglas Reh, MD, FARS  
Troy Woodard, MD, FARS

3:00pm-3:30pm

**Break - Exhibit Hall, Riverwalk A**

4:00pm-5:00pm

**Opening Ceremony – ARS, IRS, ISIAN – Welcoming Remarks**

Robert Kern, MD, FARS-ISIAN  
President  
Brent Senior, MD, FARS-IRS  
President  
James Palmer, MD, FARS-ARS  
President;  
David Kennedy, MD, FARS-ISIAN  
General Secretary  
Metin Onerci, MD-IRS General  
Secretary  
Keynote Speaker: Valerie Lund, MD

5:00pm-7:30pm

**Cocktail Reception – Riverwalk**

## THURSDAY, JUNE 6, 2019 – ERIE

1:30pm-2:15pm

**SSS: Case Presentations by Junior Rhinologists Sinusitis to Senior Rhinologists**

Mod: Raj Sindwani, MD, FARS  
Charles Ebert, MD, FARS  
Stilianos Kountakis, MD, FARS  
Bradford Woodworth, MD, FARS  
Bozena Wrobel, MD, FARS

2:15pm-3:00pm

**SSS: Case Presentations by Junior Rhinologists Skull Base to Senior Rhinologists**

Mod: Jeffrey Suh, MD  
Zara Patel, MD, FARS  
Vijay Ramakrishnan, MD, FARS  
Adam Zanation, MD

3:00pm-3:30pm

**Break - Exhibit Hall, Riverwalk A**

4:00pm-5:00pm

**Opening Ceremony – ARS, IRS, ISIAN – Welcoming Remarks**

Robert Kern, MD, FARS-ISIAN  
President  
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President  
James Palmer, MD, FARS-ARS  
President;  
David Kennedy, MD, FARS-ISIAN  
General Secretary  
Metin Onerci, MD-IRS General  
Secretary  
Keynote Speaker: Valerie Lund, MD

5:00pm-7:30pm

**Cocktail Reception – Riverwalk**

## THURSDAY, JUNE 6, 2019 – SUPERIOR A/B

8:00am-8:10am

**Session Introduction**  
Sarah Wise, MD, FARS

8:10am-8:45am

**Panel: Why Allergy? What's in It For My Patients? What's in It For Me?**

Mod: Cecelia Damask, MD  
Christopher Brook, MD  
Bradley Marple, MD, FARS  
Monica Patadia, MD  
Douglas Reh, MD, FARS

8:45am-9:15am

**Lecture: Immunology of Allergy: The Highlights in 30 Minutes or Less**

Speaker: Christine Franzese, MD

9:15am-10:00am

**Panel: Allergic, Non-Allergic, and Mixed Rhinitis: Finding Help for the Drippy Nose**

Mod: Raewyn Campbell, MD, FARS  
John DelGaudio, MD, FARS  
Sandra Lin, MD, FARS  
Raymond Sacks, MD, FARS

10:00am-10:30am

**Break - Exhibit Hall, Riverwalk A**

12:30pm-1:30pm

**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

1:30pm-1:35pm

**Session Introduction**  
Speaker: Sarah Wise, MD, FARS

1:35pm-1:50pm

**Talk: Epidemiology of Allergic Rhinitis: Populations and Geography**

Speaker: Sarah Wise, MD, FARS

1:50pm-2:05pm

**Talk: What Makes People Susceptible to Allergic Rhinitis?**  
Speaker: Elina Toskala, MD, FARS

2:05pm-2:20pm

**Talk: Can We Prevent Allergic Rhinitis?**  
Speaker: Whit Mims, MD

2:20pm-2:35pm

**Talk: Impact of Allergic Rhinitis: Economic, Quality of Life, and Sleep**  
Speaker: Jose Mattos, MD

2:35pm-3:20pm

**Case-Based Session: Sinusitis and Nasal Polyps: Where Does Allergy Fit In?**

John DelGaudio, MD, FARS  
Bradley Marple, MD, FARS  
Sarah Wise, MD, FARS

3:20pm-3:30pm

**Questions and Preview of What's Up Next**  
Speaker: Sarah Wise, MD, FARS

## FRIDAY, JUNE 7, 2019 – SHERATON BALLROOM 1-5

7:50am-8:00am

**Introduction and Welcoming Remarks**

Robert Kern, MD, FARS-ISIAN  
President  
Brent Senior, MD, FARS-IRS  
President  
James Palmer, MD, FARS-ARS  
President

8:00am-9:15am  
**Panel: Biologics – Is It All Over for Surgeons?**  
Mod: Robert Kern, MD, FARS  
Claus Bachert, MD  
Wytse Fokkens, MD  
James Palmer, MD, FARS  
Brent Senior, MD, FARS

9:15am-10:30am  
**Discussion: Skull Base Surgery Keynotes**  
Mod: Jean Anderson Eloy, MD, FARS  
Roy Casiano, MD, FARS  
Aldo Stamm, MD

10:30am-11:00am  
**Break - Exhibit Hall, Riverwalk A**

11:00am-12:30pm  
**Top 10 Clinical Papers – 8-minute Presentations**

12:30pm-1:30pm  
**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

## FRIDAY, JUNE 7, 2019 – SHERATON BALLROOM 1

1:30pm-2:30pm  
**Challenges and Controversies in DCR**  
Mod: Todd Kingdom, MD, FARS  
Sergi Karpischenko, MD  
Luis Fernando Macias, MD  
Marcio Nakanishi, MD  
Metin Onerci, MD  
Raymond Sacks, MD, FARS

2:30pm-3:30pm  
**Panel: Orbital Decompression – Case Presentations and Discussion**  
Mod: Raj Sindwani, MD, FARS  
Todd Kingdom, MD, FARS  
Darlene Lubbe, MD  
Ralph Metson, MD, FARS  
Leigh Sowerby, MD

3:30pm-4:00pm  
**Break - Exhibit Hall, Riverwalk A**

4:00pm-5:00pm  
**Panel: Management of Orbital Tumors**  
Mod: Benjamin Bleier, MD, FARS  
Darlene Lubbe, MD  
Raymond Sacks, MD, FARS  
Raj Sindwani, MD, FARS

5:00pm-6:00pm  
**Panel: Sinus Headaches or Migraines? Convincing Patients It's Not an Infection**  
Mod: Mark Mehle, MD  
Jamie Litvack, MD, FARS  
Erin O'Brien, MD, FARS  
Zara Patel, MD, FARS

7:00pm-10:00pm  
**Faculty Dinner - Willis Tower**

## FRIDAY, JUNE 7, 2019 – SHERATON BALLROOM 2

1:30pm-2:30pm  
**Lecture: Spontaneous CSF Leaks – Update on Etiology**  
Mod: Bradford Woodworth, MD, FARS  
Anthony Del Signore, MD  
Zara Patel, MD, FARS  
Spencer Payne, MD, FARS  
Douglas Rey, MD, FARS  
Bobby Tajudeen, MD

2:30pm-3:30pm  
**Debate: Lumbar Drains, Acetazolamide, Bed Rest and Other Adjuvant Measures**  
Mod: Roy Casiano, MD, FARS  
Eric Wang, MD, FARS  
Bradford Woodworth, MD, FARS

3:30pm-4:00pm  
**Break - Exhibit Hall, Riverwalk A**

4:00pm-5:00pm  
**Epidemiology of CRS in 2019**  
Mod: Bruce Tan, MD  
Jeremiah Alt, MD, PhD, FARS  
Carl Philpott, MD  
Chae-Seo Rhee, MD  
Sietze Rietsma, MD

5:00pm-6:00pm  
**Role of Antibiotics and CRS**  
Mod: Richard Orlandi, MD, FARS  
Itzhak Braverman, MD  
Livije Kajoliera, dr. med.  
Carl Philpott, MD  
Markus Rautiainen, MD  
Joanne Rimmer, MBBS MA (Hons)

7:00pm-10:00pm  
**Faculty Dinner - Willis Tower**

## FRIDAY, JUNE 7, 2019 – SHERATON BALLROOM 3

1:30pm-2:30pm  
**Current Phenotypes of CRS: Do Age, Gender and Atopic Status Matter?**  
Mod: Robert Kern, MD, FARS  
Benjamin Bleier, MD, FARS  
Eugene Chang, MD, FARS  
Whitney Stevens, MD, PhD  
Justin Turner, MD, FARS

2:30pm-3:30pm  
**Endotypes of CRS**  
Mod: Bruce Tan, MD  
Philippe Gevaert, MD, PhD  
Pongsikorn Tantilipikorn, MD  
Justin Turner, MD, FARS  
Luo Zhang, MD, PhD

3:30pm-4:00pm  
**Break - Exhibit Hall, Riverwalk A**

4:00pm-5:00pm  
**CRS – Is it the Bugs or the Response to the Bugs?**  
Mod: Noam Cohen, MD, PhD, FARS  
Martin Desrosiers, MD  
Richard Douglas, MD  
Hirohito Kita, MD  
Vijay Ramakrishnan, MD, FARS

5:00pm-6:00pm  
**Lectures: Perioperative Pain Management Strategies**  
Mod: Adam Folbe, MD, FARS  
David Conley, MD, FARS  
Lori Lemonnier, MD  
Madeleine Schaberg, MD  
Michael Setzen, MD, FARS

7:00pm-10:00pm  
**Faculty Dinner - Willis Tower**

## FRIDAY, JUNE 7, 2019 – SHERATON BALLROOM 4

1:30pm-2:30pm  
**Acute Rhinosinusitis: Update on Management**  
Mod: Stephanie Smith, MD  
Claus Bachert, MD  
Prof. Dr. Dr. Andre Gessner  
Dr. Med. Michael Hubmann

2:30pm-3:30pm  
**The Microbiome in CRS – What You Need to Know**  
Mod: Andrew Goldberg, MD, FARS  
Emily Cope, MD  
Richard Douglas, MD  
Mahboobeh Mahdavinia, MD, PhD  
Alkis Psaltis, MBBS (Hons), PhD

3:30pm-4:00pm  
**Break - Exhibit Hall, Riverwalk A**

4:00pm-5:00pm  
**Panel: Surgical Management of Uncomplicated Inflammatory Disease – Basic ESS**  
Mod: David Kennedy, MD, FARS  
Greg Davis, MD, FARS  
Christian Quitter, MD  
Eugenia Vining, MD

5:00pm-6:00pm  
**Panel: Primary Surgical Management of the Frontal Sinus**  
Mod: Simon Carney, MD  
Reda Kamel, MD  
Sergei Karpischenko, MD  
Fabrizio Romano, MD  
Luan Tran, MD, PhD

7:00pm-10:00pm  
**Faculty Dinner - Willis Tower**

## FRIDAY, JUNE 7, 2019 – SHERATON BALLROOM 5

1:30pm-2:30pm  
**Master Skull Base Dissection**  
Mod: Daniel Simmen, MD  
Robert Reisch, MD

2:30pm-3:30pm  
**Master Dissection ANSBS**  
Mod: Pete Batra, MD, FARS  
Richard Bryne, MD

3:30pm-4:00pm  
**Break - Exhibit Hall, Riverwalk A**

4:00pm-5:00pm  
**Panel: Eustachian Tube Balloon Catheter Dilation – Cases and Discussion**  
Mod: Michael Setzen, MD, FARS  
Edward McCoul, MD, FARS  
Alan Micco, MD  
J. Pablo Stolovitzky, MD, FARS

5:00pm-6:00pm  
**Panel: Sinus Balloon Catheter Dilation – Cases and Discussion**  
Mod: Michael Sillers, MD, FARS  
Naveen Bhandarkar, MD, FARS  
Marc Dubin, MD, FARS  
Hassan Ramadan, MD, FARS

7:00pm-10:00pm  
**Faculty Dinner - Willis Tower**

## FRIDAY, JUNE 7, 2019 – HURON

1:35pm-2:15pm  
**Structure Rhinoplasty: Aesthetic and Functional Implications**  
Speaker: Dean Toriumi, MD

2:30pm-3:30pm  
**Panel: Rhinoplasty Tips & Pearls**  
Mod: Jay Dutton, MD, FARS  
Robert Adelson, MD  
Kun Hee Lee, MD  
Daniel Simmen, MD

3:30pm-4:00pm  
**Break - Exhibit Hall, Riverwalk A**

4:00pm-5:00pm  
**Panel: Primary Rhinoplasty Considerations**  
Mod: J. Regan Thomas, MD  
Jose Letort, MD  
Daniel Simmen, MD  
Tae Bin Won, MD, PhD

5:00pm-6:00pm  
**Panel: The Nasal Tip in Rhinoplasty**  
Mod: Yong Ju Jang, MD  
Hector De Le Garza, MD  
Jay Dutton, MD, FARS  
Kun Hee Lee, MD

7:00pm-10:00pm  
**Faculty Dinner - Willis Tower**

## FRIDAY, JUNE 7, 2019 – ERIE

1:30pm-2:30pm

### Lecture and Panel: Pediatric Chronic Rhinosinusitis: Medical Management

Mod: Fuad Baroody, MD, FARS  
Adva Buzi, MD  
Angela Donaldson, MD  
Jose Mattos, MD  
Steven Rosenblatt, MD

2:30pm-3:30pm

### Panel: Congenital Nasal Obstruction – Case Discussion with Literature Update

Mod: Christopher Discolo, MD  
Minyoung Jang, MD  
Mark Rizzi, MD  
Austin Rose, MD, FARS  
James Schroeder, MD

3:30pm-4:00pm

### Break - Exhibit Hall, Riverwalk A

4:00pm-5:00pm

### Lecture and Panel: Pediatric Chronic Rhinosinusitis – Surgical Management

Mod: Hassan Ramadan, MD, FARS  
Elisabeth Ferrence, MD  
Jivianne Lee, MD, FARS  
Aaron Pearlman, MD, FARS  
Zachary Soler, MD, FARS

5:00pm-6:00pm

### Panel: Avoiding Complications in Pediatric Rhinology Surgery – Case Discussion and Literature Update

Mod: Christopher Roxbury, MD  
Anthony Del Signore, MD  
Kibwei McKinney, MD  
Jonathan Overdeest, MD  
Ahmad Sedaghat, MD

7:00pm-10:00pm

### Faculty Dinner - Willis Tower

## FRIDAY, JUNE 7, 2019 – SUPERIOR A/B

1:30pm-2:00pm

### Panel: Which Test is Best? Skin Prick vs. IDT vs. MQT vs. Specific IgE

Mod: Christine Franzese, MD  
Sandra Lin, MD, FARS  
Michael Parker, MD  
Matthew Ryan, MD, FARS  
Elina Toskala, MD, FARS

### What To Test For Lecture Series

2:00pm-2:10pm

### Allergens & Cross Reactivity – Grasses

Speaker: Joshua Levy, MD, FARS

2:10pm-2:20pm

### Allergens & Cross Reactivity – Trees

Speaker: Christopher Brook, MD

2:20pm-2:30pm

### Allergens & Cross Reactivity – Weeds

Speaker: Michael Parker, MD

2:30pm-2:40pm

### Allergens & Cross Reactivity: Molds

Speaker: Matthew Ryan, MD, FARS

2:40pm-2:50pm

### Allergens & Cross Reactivity: Epidermals

Speaker: Maria Veling, MD

2:50pm-3:30pm

### Lecture: How to Perform Skin Prick Testing: Prick, Intradermal

Speaker: Cecelia Damask, MD

3:30pm-4:00pm

### Break - Exhibit Hall, Riverwalk A

4:00pm-4:20pm

### Talk: Specific IgE Testing: What it is and How to Use It

Speaker: Whit Mims, MD

4:20pm-4:40pm

### Talk: Vial Language: How to Mix 'em Up

Speaker: Christopher McMains, MD, FARS

4:40pm-5:15pm

### Panel: The Basics of Immunotherapy: SCIT vs. SLIT vs. Tablets (vs. OMI)

Whit Mims, MD  
Michael Parker, MD  
William Reisacher, MD  
Sarah Wise, MD, FARS

5:15pm-5:50pm

### Panel: Pro Tips: Adding Allergy to Your Practice and What to do When Things Go Wrong

Cecelia Damask, MD  
Christine Franzese, MD  
Monica Patadia, MD  
Bill Reisacher, MD  
Matthew Ryan, MD, FARS

5:50pm-6:00pm

### Questions and Preview of What's Up Next

Speaker: Christine Franzese, MD

7:00pm-10:00pm

### Faculty Dinner – Willis Tower

## SATURDAY, JUNE 8, 2019 – SHERATON BALLROOM 1

8:00am-9:15am

### Innate Immunity and CRS

Mod: Andrew Lane, MD, FARS  
Atsushi Kato, MD  
Hirohito Kita, MD  
Michael Kohanski, MD

9:15am-10:30am

### Adaptive Immunity and CRS

Mod: Bruce Tan, MD  
Philippe Gevaert, MD, PhD  
Katie Hulse, MD  
Zheng Liu, MD

10:30am-11:00am

### Break - Exhibit Hall, Riverwalk A

11:00am-12:30pm

### What Does the Histology of CRS Tell Us?

Mod: Pete Batra, MD, FARS  
Richard Harvey, MD  
Zheng Liu, MD  
Whitney Stevens, MD, PhD  
Tetsuji Takabayashi, MD

12:30pm-1:30pm

### Lunch with Exhibitors - Exhibit Hall, Riverwalk A

1:30pm-3:30pm

### Management of Chronic Rhinitis

Mod: Erin Wright, MD, FARS  
Eliza Brozek-Madry, Dr. n. Med.  
Lei Chang, MD  
Peter Hwang, MD, FARS  
Sung Wan Kim, PhD  
Bradley Marple, MD, FARS  
Renato Roithmann, MD  
Weiping Wen, MD

3:30pm-4:00pm

### Break - Exhibit Hall, Riverwalk A

4:00pm-5:00pm

### Panel: Can I Do This in the Office – Sinus Surgery

Mod: Jivianne Lee, MD, FARS  
Waleed Abuzeid, MD  
Rohit Garg, MD, FARS  
Bostjan Lanisnik, MD  
John Lee, MD

5:00pm-6:00pm

### Panel: Can I Do This in the Office - Mucoceles

Mod: John DeGaudio, MD, FARS  
Greg Davis, MD, FARS  
Neal Lofchy, MD, FARS  
Spencer Payne, MD, FARS

7:00pm

### Gala Reception & Dinner - Field Museum

## SATURDAY, JUNE 8, 2019 – SHERATON BALLROOM 2

8:00am-9:15am

### Debate: FESS Now or Later?

Mod: Timothy Smith, MD, FARS  
Adam DeConde, MD  
Claire Hopkins, MD  
Arif Janjua, MD  
Ahmad Sedaghat, MD, PhD

9:15am-10:30am

### Measuring Success in the Treatment of Patients with Chronic Rhinosinusitis

Mod: Michael Stewart, MD, FARS  
Adam DeConde, MD  
Stacey Gray, MD, FARS  
Claire Hopkins, MD  
Timothy Smith, MD, FARS

10:30am-11:00am

### Break - Exhibit Hall, Riverwalk A

11:00am-12:30pm

### Adult Chronic Rhinosinusitis – Update on Medical Management

Mod: Claire Hopkins, MD  
Anders Cervin, MD, PhD  
Robert Naclerio, MD  
Richard Orlandi, MD, FARS

12:30pm-1:30pm

### Lunch with Exhibitors - Exhibit Hall, Riverwalk A

1:30pm-2:30pm

### Olfactory Disorders: Diagnosis and Discussion

Mod: Eric Holbrook, MD, FARS  
Aytug Altundag, MD  
Kenji Kondo, MD, PhD  
Donald Leopold, MD, FARS  
Jayant Pinto, MD  
Vijay Ramakrishnan, MD, FARS  
Hideaki Shiga, MD

2:30pm-3:30pm

### Olfactory Disorders: Treating Smell Loss

Mod: Eric Holbrook, MD, FARS  
Masayosi Kobayashi, MD  
Andrew Lane, MD, FARS  
Takaki Miwa, MD  
Joaquim Mullol, MD  
Zara Patel, MD, FARS

3:30pm-4:00pm

### Break - Exhibit Hall, Riverwalk A

4:00pm-5:00pm

### Surgical Failures: How to Predict? How to Prevent? How to Manage?

Mod: Zachary Soler, MD, FARS  
Benjamin Bleier, MD, FARS  
Anders Cervin, MD, PhD  
Philippe Gevaert, MD, PhD  
Katsuhisa Ikeda, MD, PhD

5:00pm-6:00pm

### Macrolides & Doxycycline for CRS

Mod: Jeremiah Alt, MD, PhD, FARS  
Anders Cervin, MD, PhD  
Leslie Grammar, MD  
Zheng Liu, MD  
Takeshi Shimizu, MD, PhD

7:00pm

### Gala Reception & Dinner - Field Museum

**SATURDAY, JUNE 8, 2019 –  
SHERATON BALLROOM 3**

8:00am-9:15am  
**The Role of Biologics in CRS**  
Mod: Tanya Laidlaw, MD  
John Bosso, MD  
Joseph Han, MD, FARS  
Anju Peters, MD

9:15am-10:30am  
**Panel: CSF Leaks**  
Mod: Bradford Woodworth, MD, FARS  
Cem Meço, Prof. MD  
Jeffrey Suh, MD  
Brian Thorp, MD, FARS  
Peter Valentin Tomazic, PhD

10:30am-11:00am  
**Break - Exhibit Hall, Riverwalk A**

11:00am-12:30pm  
**The Evolution of Managing CRS**  
Mod: Kevin Welch, MD, FARS  
Roger Jankowski, Prof.  
David Kennedy, MD, FARS  
James Stankiewicz, MD, FARS

12:30pm-1:30pm  
**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

1:30pm-2:30pm  
**Microbiomes: Deploying the Technology**  
Mod: Martin Citardi, MD, FARS  
Martin Desrosiers, MD  
Donald Lanza, MD, FARS  
Vijay Ramakrishnan, MD, FARS

2:30pm-3:30pm  
**Alternate Treatments for CRS**  
Mod: Vijay Ramakrishnan, MD, FARS  
De-Yeon Cho, MD  
YD Kim, MD  
Jennifer Muligan, MD  
Alkis Psaltis, MBBS (Hons), PhD

3:30pm-4:00pm  
**Break - Exhibit Hall, Riverwalk A**

4:00pm-6:00pm  
**Panel: Endoscopic Management of Paranasal Sinus Cancer: What are the Indications?**  
Mod: Valerie Lund, MD and Yasuaki Harabuchi, MD, PhD  
Jannis Constantinidis, MD  
Alexandre Felippu, MD  
Yasuaki Harabuchi, MD, PhD  
Prepageran Narayanan, MBBS  
Nobuyoshi Otori, MD, PhD  
Adam Zanation, MD

7:00pm  
**Gala Reception & Dinner - Field Museum**

**SATURDAY, JUNE 8, 2019 –  
SHERATON BALLROOM 4**

8:00am-9:15am  
**Debate: CRS - Genes or Environment?**  
Mod: Elina Toskala, MD, FARS  
Martin Desrosiers, MD  
Wytke Fokkens, MD

9:15am-10:30am  
**Future Treatment of CRS: Should We Be Targeting the Upstream or Downstream Cytokines?**  
Mod: Andrew Lane, MD, FARS  
Tanya Laidlaw, MD  
Stella Lee, MD  
Joaquim Mullol, MD, PhD  
Robert Naclerio, MD

10:30am-11:00am  
**Break - Exhibit Hall, Riverwalk A**

11:00am-12:30pm  
**Personalized Medicine: Endotypes, Phenotypes and Biomarkers of CRS**  
Mod: Zachary Soler, MD, FARS  
Philippe Gevaert, MD, PhD  
Shinichi Haruna, MD  
Michael Koennecke, Prof. Dr. med.  
Tanya Laidlaw, MD  
Justin Turner, MD, FARS

12:30pm-1:30pm  
**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

1:30pm-2:30pm  
**Panel: Update on Management of Pituitary Neoplasms – Cases and Discussion**  
Mod: Gurston Nyquist, MD, FARS  
Christos Georgalas, MD  
Stephanie Joe, MD, FARS  
Ameet Singh, MD, FARS  
Doron Sommer, MD

2:30pm-3:30pm  
**Panel: Beyond the Sella – Cases and Discussion**  
Mod: Jean Anderson Eloy, MD, FARS  
James Chandler, MD  
Cem Meço, Prof. MD  
Marc Rosen, MD, FARS  
Eric Wang, MD, FARS

3:30pm-4:00pm  
**Break - Exhibit Hall, Riverwalk A**

4:00pm-5:00pm  
**Panel: Advanced and Revision Frontal Sinus Surgery – Cases and Discussion**  
Mod: Devyani Lal, MD, FARS  
Yvonne Chan, MD, FARS  
Rakesh Chandra, MD, FARS  
Donald Lanza, MD, FARS  
Raymond Sacks, MD, FARS

5:00pm-6:00pm  
**Panel: Radical Surgery of the Sphenoid and Maxillary Sinus**  
Mod: John Lee, MD and Shinichi Haruna  
Mohamed Anwar, MD  
Edward McCoull, MD, FARS  
Alkis Psaltis, MBBS (Hons), PhD  
Rainer Weber, Prof. Dr. med

7:00pm  
**Gala Reception & Dinner - Field Museum**

**SATURDAY, JUNE 8, 2019 –  
SHERATON BALLROOM 5**

8:00am-9:15am  
**Pathophysiology of Type II CRS**  
Mod: Robert Kern, MD, FARS  
Claus Bachet, MD  
Robert Schleimer, PhD  
Sergejs Berdnikovs, PhD

9:15am-10:30am  
**Refractory Nasal Polyps. Which Surgery is the Right Surgery?**  
Mod: Valerie Lund, MD  
Claus Bachert, MD  
Richard Harvey, MD, FARS  
Roger Jankowski, Prof.

10:30am-11:00am  
**Break - Exhibit Hall, Riverwalk A**

11:00am-12:30pm  
**Top 10 Basic Science Papers – 8-minute Presentations**

12:30pm-1:30pm  
**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

1:30pm-2:30pm  
**Debate: Up Front Lothrop – Pros and Cons & Optimal Technique**  
Mod: Valerie Lund, MD  
Richard Harvey, MD, FARS  
James Palmer, MD, FARS

2:30pm-3:30pm  
**Dissection Dual: Lothrop Surgery**  
Mod: Wytke Fokkens, MD  
Richard Harvey, MD, FARS  
James Palmer, MD, FARS

3:30pm-4:00pm  
**Break - Exhibit Hall, Riverwalk A**

4:00pm-5:00pm  
**Lectures: The Posterior Fossa – The Final Frontier?**  
Mod: Roy Casiano, MD, FARS  
James Chandler, MD  
Aldo Stamm, MD  
Eric Wang, MD, FARS

5:00pm-6:00pm  
**Master Dissection Clivus/Posterior Fossa**  
Mod: Aldo Stamm, MD  
Jean Anderson Eloy, MD, FARS

7:00pm  
**Gala Reception & Dinner - Field Museum**

**SATURDAY, JUNE 8, 2019 –  
HURON**

8:00am-9:15am  
**Coding & Malpractice**  
Mod: Seth Brown, MD, FARS  
Peter Doble, MD, FARS  
Eric Holbrook, MD, FARS  
Peter Manes, MD, FARS  
Michael Setzen, MD, FARS  
Peter Svider, MD

9:30am-10:30am  
**Channels, Pumps and Ionic Disturbances and CRS**  
Mod: Elina Toskala, MD, FARS  
Eugene Chang, MD, FARS  
Do-Yeon Cho, MD  
Jin Min, MD

10:30am-11:00am  
**Break - Exhibit Hall, Riverwalk A**

11:00am-12:30pm  
**Inverted Papilloma**  
Mod: Peter Hwang, MD, FARS  
Alfredo Herrera, MD  
Wayne Hsulh, MD  
Arif Janua, MD  
Ashutosh Kacker, MBBS, MD  
Richard Lebowitz, MD, FARS  
Ethan Soudry, MD

12:30pm-1:30pm  
**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

1:30pm-2:30pm  
**Panel: Difficult Septums – Endoscopic, Endonasal and Extracorporeal**  
Mod: Sanford Archer, MD, FARS  
Robert Adelson, MD  
Amit Patel, MD  
Monica Patadia, MD  
Sergi Karpischenko, MD

2:30pm-3:30pm  
**Panel: Update on Nasal Valve Repair**  
Mod: Doug Sidle, MD  
Brent Senior, MD, FARS  
Michael Setzen, MD, FARS  
Mike Sillers, MD, FARS  
J. Pablo Stolovitzsky, MD, FARS

3:30pm-4:00pm  
**Break - Exhibit Hall, Riverwalk A**

4:00pm-5:00pm  
**Rhinoplasty**  
Mod: Doug Sidle, MD  
Bashar Bizrah, MD  
Ahmed S. El-Guindy, MD  
Mona Patadia, MD

5:00pm-6:00pm  
**Lectures: How I Do It – Management of Septal Perforations**  
Mod: Raymond Sacks  
Richard Harvey, MD  
Serdar Ozer, MD  
Vijay Ramakrishnan, MD, FARS  
Leigh Sowerby, MD

7:00pm  
**Gala Reception & Dinner - Field Museum**

## **SATURDAY, JUNE 8, 2019 – ERIE**

8:00am-9:15am  
**Evaluation of Cough – Upper Airway or Lower?**  
Leslie Grammar, MD  
Thomas Higgins, MD, FARS  
Patricia Loftus, MD, FARS  
Michael Tong, MD  
Dilyana Vicheva, MD, PhD

9:15am-10:30am  
**Management of Recurrent Acute Sinusitis**  
Mod: Jivianne Lee, MD, FARS  
Mitchell Gore, MD, PhD  
Amin Javer, MD, FARS  
Alice Maxfield, MD  
Roheen Raithatha, MD

10:30am-11:00am  
**Break - Exhibit Hall, Riverwalk A**

11:00am-12:30pm  
**Odontogenic Sinusitis**  
Mod: Stella Lee, MD  
Ron Eliashar, MD  
Stacey Gray, MD, FARS  
Jose Mattos, MD  
Sanna Toppila-Salmi, MD, PhD

12:30pm-1:30pm  
**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

1:30pm-2:30pm  
**Lectures: Cystic Fibrosis Chronic Rhinosinusitis Where are We and Where are We Going?**  
Kasper Aanaes, MD  
David Gudis, MD, FARS  
Bradford Woodworth, MD, FARS

2:30pm-3:30pm  
**Panel: Cystic Fibrosis CRS – Cases and Discussion**  
Mod: Frank Virgin, MD  
Kasper Aanaes, MD  
Mikkel Alanin, MD  
Adam Kimple, MD  
Susanna McColley, MD  
Nicholas Rowan, MD

3:30pm-4:00pm  
**Break - Exhibit Hall, Riverwalk A**

4:00pm-5:00pm  
**Pediatric Skull Base Neoplasms – Panel and Case Discussion**  
Mod: Nithin Adappa, MD, FARS  
Tord Alden, MD  
Randall Bly, MD  
David Gudis, MD, FARS  
Jeff Rastatter, MD  
Eric Wang, MD, FARS

5:00pm-6:00pm  
**Lectures: Congenital Gliomas, Meningoencephalo-celes and CSF Leaks with Literature Update**  
Mod: Ken Kazahaya, MD  
Waleed Abuzeid, MBBS  
Steven Goudy, MD  
Alfred M.C. Iloreta Jr., MD  
Ashutosh Kacker, MBBS, MD  
Alissa Kanaan, MD

7:00pm  
**Gala Reception & Dinner – Field Museum**

## **SATURDAY, JUNE 8, 2019 – COLORADO**

8:00am-12:30pm  
**Seminar and Lab: Managing Carotid Artery Injury**  
Mod: Bozena Wrobel, MD, FARS  
Jannis Constantinidis, MD  
Olaf Michel, MD, PhD  
Alkis Psaltis, MBBS (Hons), PhD

5:00pm-6:00pm  
**CRS and Geography**  
Mod: Simon Carney, Prof.  
Reda Kamel, MD  
Emmanuel Prokopakis, MD, PhD  
Kornikat Snidvongs, MD, PhD  
Edwin Tamashiro, PhD  
Luo Zhang, MD, PhD

7:00pm  
**Gala Reception & Dinner – Field Museum**

## **SATURDAY, JUNE 8, 2019 – SUPERIOR A/B**

8:00am-10:30am  
**Complications of Endoscopic Sinus Surgery**  
Mod: James Stankiewicz, MD, FARS  
Roy Casiano, MD, FARS  
David Kennedy, MD, FARS  
Stilianos Kountakis, MD, FARS  
Brent Senior, MD, FARS  
Eugenia Vining, MD

10:30am-11:00am  
**Break - Exhibit Hall, Riverwalk A**

11:00am-12:30pm  
**Sinonasal Allergy and CRS: An International Update**  
Mod: Sarah Wise, MD, FARS  
Seong Cho, MD  
John DelGaudio, MD, FARS  
Larry Kalish, MBBS  
Jean Kim, MD, PhD, FARS  
Bradley Marple, MD, FARS  
Fabiana Valera, PhD

12:30pm-1:30pm  
**Break - Exhibit Hall, Riverwalk A**

1:30pm-2:00pm  
**Immune Deficiency**  
Speaker: Sandra Lin, MD, FARS

2:00pm-2:30pm  
**Auto-Immune Disease**  
Speaker: Gary Kunkle, MD

2:30pm-3:00pm  
**Endotyping: It's Not Just for CRS Anymore...**  
Speaker: Bob Schleimer, MD

3:00pm-3:30pm  
**Broken Hammer: What to Do When Steroids Don't Work?**  
Speaker: Anju Peters, MD

3:30pm-4:00pm  
**Break - Exhibit Hall, Riverwalk A**

4:00pm-4:30pm  
**Aspirin Triad**  
Speaker: Joshua Levy, MD, FARS

4:30pm-5:00pm  
**Biologics: Today and Tomorrow**  
Speaker: Anju Peters, MD

5:00pm-5:30pm  
**Molecular Allergy**  
Speaker: Guy Tropper, MD

5:30pm-6:00pm  
**Mad Scientist Stuff: Future Directions**  
Speaker: John Rogers, MD

7:00pm  
**Gala Reception & Dinner – Field Museum**

## **SUNDAY, JUNE 9, 2019 – BALLROOM SHERATON 1**

7:00am-9:00am  
**Women in Rhinology Guest Lecture and Discussions**  
Mod: Amber Luong, MD, PhD, FARS  
Diane Ring  
Cynthia Ridley

9:00am-10:00am  
**Panel: Becoming a Leader in Otolaryngology**  
Mod: Amber Luong, MD, PhD, FARS  
Martin Citardi, MD, FARS  
Wytske Fokkens, MD, PhD  
Robert Kern, MD, FARS  
Diane Ring  
Michael Stewart, MD, FARS

10:00am-10:30  
**Break - Exhibit Hall, Riverwalk A**

10:30am-11:30am  
**Panel: Diversity and Inclusion: A Recipe For Success**  
Mod: Troy Woodard, MD, FARS  
David Brown, MD  
Jean Anderson Eloy, MD, FARS  
Oswaldo Henriquez, MD  
Jivianne Lee, MD, FARS

12:30pm-1:30pm  
**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

3:30pm-4:00pm  
**CLOSING CEREMONY**

## **SUNDAY, JUNE 9, 2019 – SHERATON BALLROOM 2**

8:00am-9:00am  
**Intraorbital and Intracranial Complications of ABRS – When to Operate And How Much?**  
Mod: Anthony Del Signore, MD  
Patrick Colley, MD  
Kent Lam, MD  
Kibwei McKinney, MD  
Kenneth Rodriguez, MD

9:00am-10:00am  
**Management of Ethesioneuroblastoma**  
Mod: Marilene Wang, MD, FARS  
Christos Georgalas, MD  
Ashutosh Kacker, MBBS, MD  
Nobuyoshi Otori, PhD  
Fabrizio Romano, MD  
Adam Zanation, MD

10:00am-10:30am  
**Break - Exhibit Hall, Riverwalk A**

10:30am-11:30am  
**Panel: Managing Intraoperative Bleeding During Endoscopic Sinus Surgery**  
Mod: Nicolas Busaba, MD, FARS and Saad Alsaleh, FRCSC  
Brett Comer, MD  
Hector de la Garza, MD  
Alissa Kanaan, MD  
Alice Maxfield, MD  
Alkis Psaltis, MBBS (Hons), PhD

11:30am-12:30pm  
**Lecture: Contemporary Management of Epistaxis and HHT**  
Mod: David Poetker, MD, FARS  
Erin O'Brien, MD, FARS  
Joanne Rimmer, MBBS MA (Hons)  
Brian Rotenberg, MD, FARS

12:30pm-1:30pm  
**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

3:30pm-4:00pm  
**CLOSING CEREMONY**

### **SUNDAY, JUNE 9, 2019 – SHERATON BALLROOM 3**

8:00am-9:00am  
**Surgical Simulation**  
Tae-Bin Won, MD, PhD  
Marvin Fried, MD, FARS  
Vladimir Kozlov, MD  
Chis McMains, MD, FARS  
Marcio Nakanishi, MD  
Ian Witterick, MD

9:00am-10:00am

10:00am-10:30am  
**Break - Exhibit Hall, Riverwalk A**

10:30am-12:30pm  
**Lectures: Unified Airway**  
Mod: Leslie Grammer and Thana Nassir, Prof.  
Hun-Jong Dhong, MD, PhD  
Thomas Higgins, MD, FARS  
Emmanuel Prokopakis, MD, PhD  
Sanna Toppila-Salmi, MD, PhD  
Fabiana Valera, PhD

12:30pm-1:30pm  
**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

3:30pm-4:00pm  
**CLOSING CEREMONY**

### **SUNDAY, JUNE 9, 2019 – SHERATON BALLROOM 4**

8:00am-9:00am  
**AERD Update**  
Mod: Tanya Laidlaw, MD  
Jan Goespath, MD  
Joshua Levy, MD, FARS  
Whitney Stevens, MD

9:00am-10:00am  
**Coagulation and Nasal Polyps – The Meat Of the Matter**  
Mod: Shigeharu Fujieda, MD  
Takeshi Shimuza, MD, PhD  
Benjamin Bleier, MD, FARS  
Bruce Tan, MD  
Tetsuji Takabayashi, MD, MD

10:00am-10:30am  
**Break - Exhibit Hall, Riverwalk A**

10:30am-11:30am  
**Lectures: Topical Therapies for Chronic Rhinosinusitis**  
Mod: Larry Kalish, MD  
Ian Humphreys, DO  
Erin O'Brien, MD, FARS  
John Schneider, MD  
Kornikat Snidvongs, MD

11:30am-12:30pm  
**Emerging Technologies: Biomaterials and Implants to Improve Outcomes After Endoscopic Sinus Surgery**  
Mod: Brent Senior, MD, FARS  
Do-Yeon Cho, MD  
Richard Douglas, MD  
Philippe Gevaert, MD, PhD  
Vladimir Koslov, MD  
Ameet Singh, MD, FARS

12:30pm-1:30pm  
**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

1:30pm-3:30pm  
**Skull Base Reconstruction**  
Mod: Adam Zanation, MD  
Nithin Adappa, MD, FARS  
Alexandre Felippu, MD  
Adam Folbe, MD, FARS  
Christos Georgalas, MD  
Ashleigh Halderman, MD  
Chirag Patel, MD  
Marc Rosen, MD, FARS

3:30pm-4:00pm  
**CLOSING CEREMONY**

### **SUNDAY, JUNE 9, 2019 – SHERATON BALLROOM 5**

8:00am-9:00am  
**Panel: Inverted Papilloma – Cases & Discussion**  
Mod: David Kennedy, MD, FARS  
Ron Eliashar, MD  
Wytske Fokkens, MD  
Reda Kamel, MD  
Luo Zhang, MD, PhD

9:00am-10:00am  
**Panel: Management of Juvenile Nasopharyngeal Angiofibroma**  
Mod: Eric Wang, MD, FARS and Takeshi Shimuza, MD, PhD  
Alexandre Felippu, MD  
Jose Gurrola, MD  
Reda Kamel, MD  
Masayoshi Kobayashi, MD  
Metin Onerci, MD

10:00am-10:30am  
**Break - Exhibit Hall, Riverwalk A**

10:30am-12:30am  
**Lectures: Fungal Sinusitis (AFS, AIFS, Fungal Balls) – Current Management Strategies**  
Mod: Amber Luong, MD, PhD, FARS  
Ali Alamri, MD  
Seung Kyu Chung, MD  
Jan Gosepath, MD  
Hideyuki Kawauchi, MD  
Osama Khaled, MD  
Hirohito Kita, MD  
Mohammad Mujeeb, MD  
Harshita Pant, MD  
Jens Ponikau, MD

12:30pm-1:30pm  
**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

1:30pm-3:30pm  
**Nasal Surgery and Sleep Apnea Outcomes and Drug Induced Sleep Endoscopy**  
Mod: Michael Stewart, MD, FARS  
Jeremiah Alt, MD, PhD, FARS  
Shintaro Chiba, MD, PhD  
Sun Kim, MD  
Adam Kimple, MD, PhD  
Maria Suurna, MD  
Gil Vicente, MD

3:30pm-4:00pm  
**CLOSING CEREMONY**

### **SUNDAY, JUNE 9, 2019 – HURON**

8:00am-9:00am  
**Reflux Worsens CRS**  
Mod: David Poetker, MD, FARS  
John DelGaudio, MD, FARS  
Donald Lanza, MD, FARS  
Jin Min, MD  
Bruce Tan, MD

8:00am-9:00am  
**Advanced Stereoscopic 3D CT Imaging for Sinus Surgery: New Perspectives on Anatomy, Research and Clinical Applications**  
Speaker: James Zinreich, MD

10:00am-10:30am  
**Break - Exhibit Hall, Riverwalk A**

11:30am-12:30pm  
**Lectures: Measuring Quality and Outcomes in Endoscopic Sinus Surgery for Chronic Rhinosinusitis**  
Mod: John Schneider, MD  
Elisabeth Ference, MD  
Jamie Litvack, MD, FARS  
Ian Witterick, MD, FARS  
Jose Mattos, MD

12:30pm-1:30pm  
**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

1:30pm-3:30pm  
**Empty Nose Syndrome or Nasal Neuropathy?**  
Mod: Eliza Brozek-Madry, Dr.n.Med  
Steven Houser, MD  
Yong Ju Jang, MD, PhD  
Antoni Krzeski, MD  
Jayakar Nayak, MD, PhD

3:30pm-4:00pm  
**CLOSING CEREMONY**

### **SUNDAY, JUNE 9, 2019 – ERIE, COLORADO, SUPERIOR A, SUPERIOR B, ARKANSAS**

7:00am-8:00am  
**Oral Presentations**

8:00am-9:00am  
**Oral Presentations**

9:00-10:00am  
**Oral Presentations**

10:00am-10:30am  
**Break - Exhibit Hall, Riverwalk A**

10:30am-11:30am  
**Oral Presentations**

11:30am-12:30pm  
**Oral Presentations**

12:30pm-1:30pm  
**Lunch with Exhibitors - Exhibit Hall, Riverwalk A**

1:30pm-2:30pm  
**Oral Presentations**

2:30pm-3:30pm  
**Oral Presentations**

3:30pm-4:00pm  
**CLOSING CEREMONY**

# RHINOWORLD CHICAGO SUPPORTERS - 2019

PLATINUM

Medtronic

GOLD

Stryker

SILVER

Intersect ENT  
Sanofi Genzyme/Regeneron

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Olympus America, Inc.  
Smith & Nephew

**ALK, Inc.** - Support of the *“How to Perform Skin Prick Testing: Prick Intradermal”* Session

**Intersect ENT** - Support of the Women in Rhinology Guest Lecture

**Aerin** - Support of the Women in Rhinology Introduction at the Opening Ceremony

## EXHIBITORS

Acclarent, Inc.  
Advanced RX  
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Aerin Medical  
ALK, Inc.  
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Ecleris USA  
Hemostasis, LLC  
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# 2019 FRIENDS IN RESEARCH

## DIAMOND

Thomas Davis, MD  
Lee Mandel, MD, FARS

## PLATINUM

Benjamin Bleier, MD, FARS  
Roy Casiano, MD, FARS  
Charles Ebert, Jr., MD, FARS  
Jean Anderson Eloy, MD, FARS  
James Hadley, MD, FARS  
Peter Hwang, MD, FARS  
Robert Kern, MD, FARS  
R. Peter Manes, MD, FARS  
Richard Orlandi, MD, FARS  
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Rodney Schlosser, MD, FARS  
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## GOLD

Naveen Bhandarkar, MD, FARS  
Greg Davis, MD, FARS

## SILVER

Do-Yeon Cho, MD  
David Gudis, MD, FARS  
John Houck, MD  
Kent Lam, MD  
Ryan Little, MD  
Elina Toskala, MD, FARS

## BRONZE

Sanford Archer, MD, FARS  
AHM Delwar, MBBS  
Rohit Garg, MD, FARS  
Wayne Hsueh, MD  
Jonathan Overdevest, MD, PhD  
Corinna Levine, MD  
Austin Rose, MD, FARS  
Kristine Smith, MD  
Jessica Southwood, MD

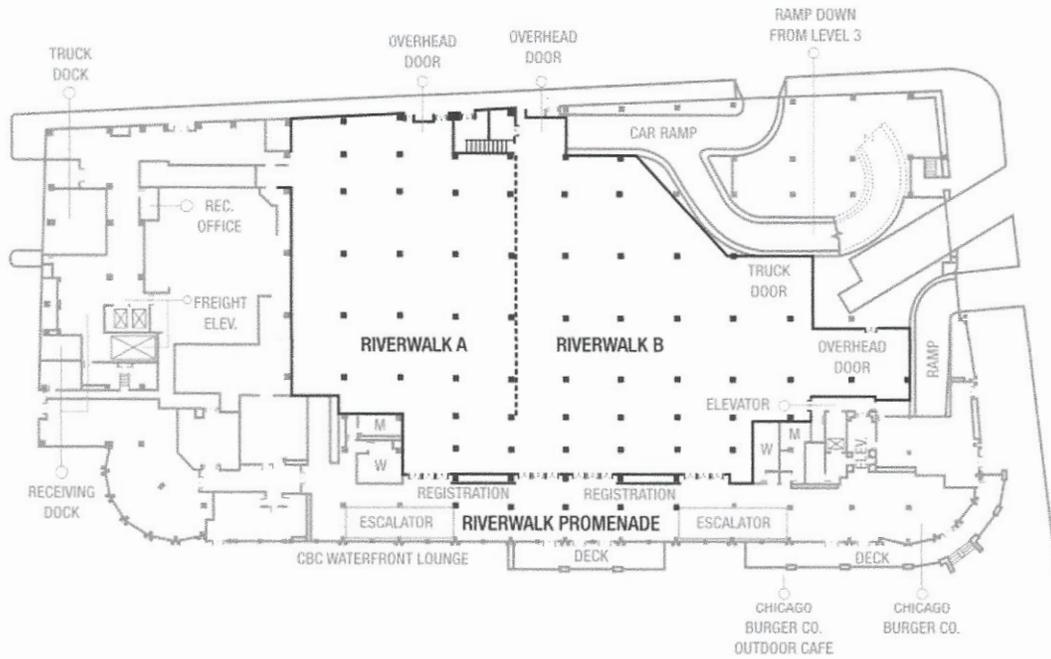
## FRIEND

Abdullah Alsharif, MBBS  
Gretchen Oakley, MD

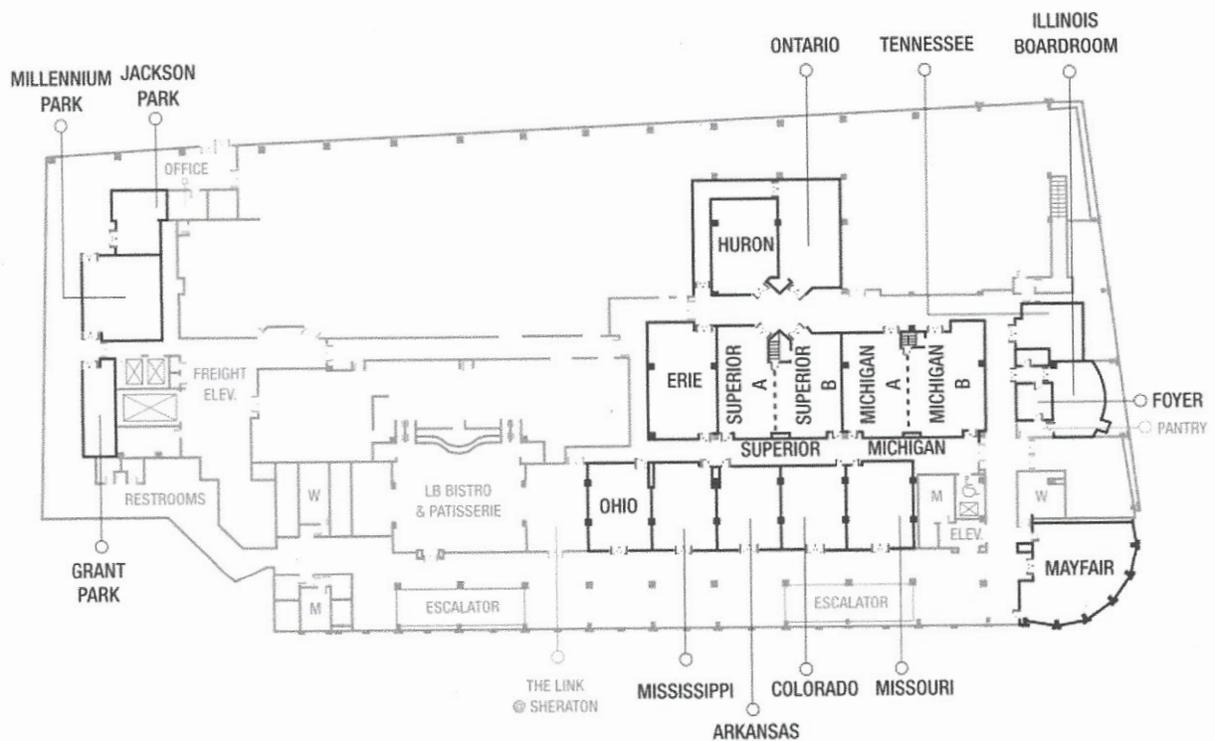
As of 5/2/19

# FLOOR PLANS

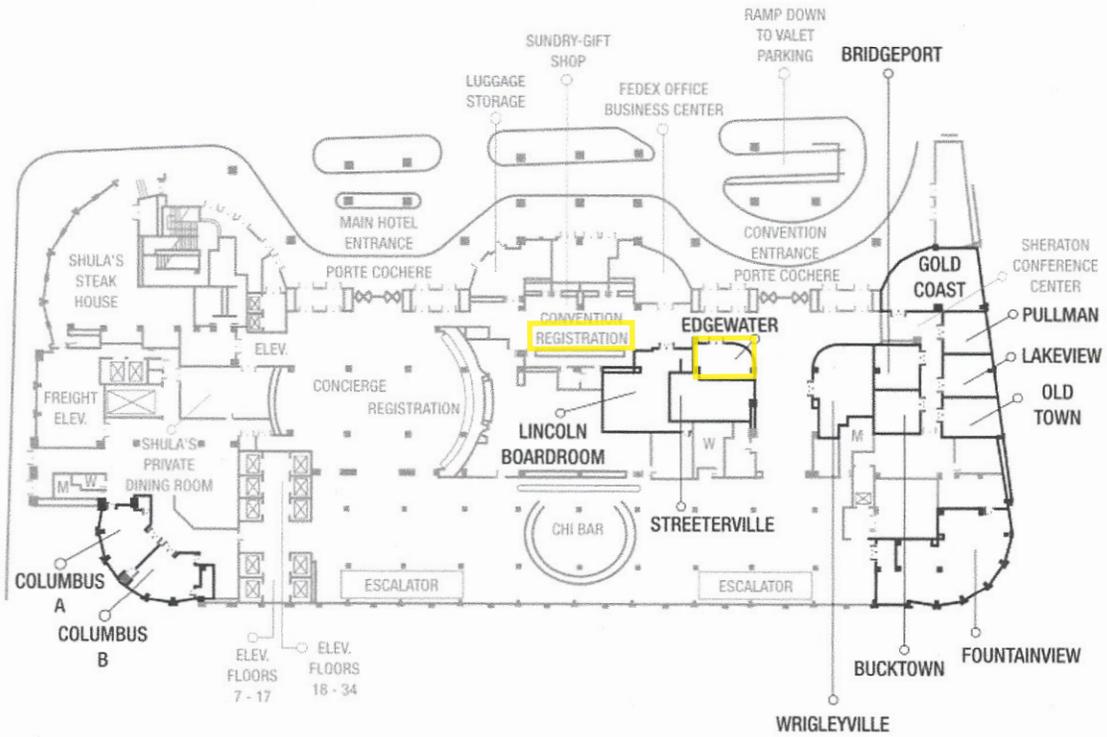
## FIRST FLOOR



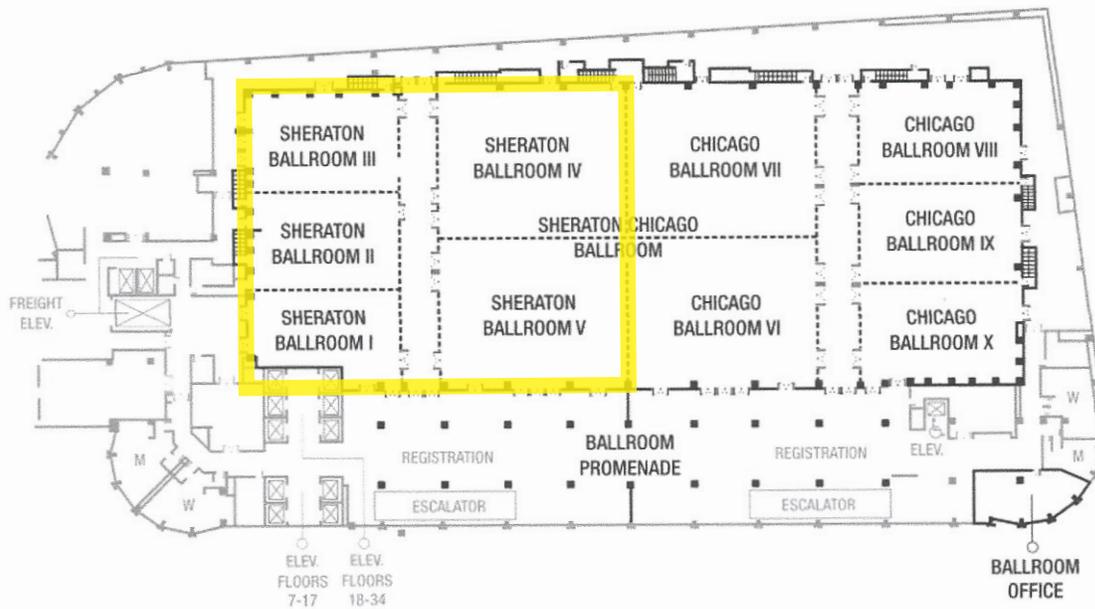
## SECOND FLOOR



### THIRD FLOOR



### FIFTH FLOOR





The Main Floor of the Famous Field Museum in Chicago displays Sue, the most complete T Rex ever unearthed.



# EXHIBITOR GUIDE



PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

## ACCLARENT, INC.

### Showcase Tabletop 6, Booth 102

33 Technology Drive, Irvine, CA 92618  
Phone: 877-775-2789  
Email: [customerservice@acclarent.com](mailto:customerservice@acclarent.com)  
Website: [www.acclarent.com](http://www.acclarent.com)

Acclarent, Inc. part of Johnson & Johnson Medical Devices Companies, is aligned around a singular focus to free patients to live better lives by designing, developing commercializing medical devices that address conditions affecting the ear, nose and throat. For more than a decade, Acclarent has led the field in delivering innovative technologies to ENT surgeons. For more information, visit [www.acclarent.com](http://www.acclarent.com)



## ADVANCED RX COMPOUNDING PHARMACY Tabletop 7

5205 Militia Hill Road, Ste 200, Plymouth Meeting, PA 19462  
Phone: 484-681-5756; Fax: 866-308-3832  
Email: [jason@advancedrxcompounding.com](mailto:jason@advancedrxcompounding.com)  
Website: [www.advancedrxcompounding.com](http://www.advancedrxcompounding.com)

Are you looking for a compounding pharmacy that you can trust? Do you prescribe budesonide/mometasone nasal rinses? Are your patients complaining about the cost of their compounded medications? Are your patients aware that they can pay less for their compounded medications? Are your patients waiting too long to receive their medications? Wouldn't you rather focus on seeing patients instead of dealing with prior authorizations? Advanced Rx Compounding Pharmacy is your solution for excellent service, affordable compounds, and fast and free shipping. Talk to a real person, call us [484-681-5756](tel:484-681-5756)



## AERIN MEDICAL, INC. - Booth 110

1927 Lohman's Crossing Rd., Suite 200, Austin, TX 78738  
Phone: 833-4-VIVAER (833-484-8237)  
Email: [info@aerinmedical.com](mailto:info@aerinmedical.com)  
Website: [www.aerinmedical.com](http://www.aerinmedical.com)

Aerin Medical is an early stage medical device company that is focused on developing and commercializing exceptional products to improve the breathing and quality of life for millions of people. Using its proprietary non-invasive low temperature radio frequency

technology to reshape nasal tissues, Aerin has launched its first clinically proven product, the VIVAER® Nasal Airway Remodeling System. This unique product enables otolaryngologists to treat nasal airway obstruction within the physician's office without the need for incisions or implants.



Your Partner in Growing  
Allergy Immunotherapy

## ALK, INC. - Booth 115

135 Route 202/206, Suite #3, Bedminster, NJ 07921  
Phone: 908-842-8359  
Email: [paul.ulrich@alk.net](mailto:paul.ulrich@alk.net)  
Website: [www.alk.net](http://www.alk.net)

As the World Leader in Allergy Immunotherapy (AIT), ALK is devoted to improving the quality of life for people with allergies by offering more convenient methods of administration, and thereby expanding the overall use of AIT to more patients. We are committed to broadening our presence in allergy care and will continue to innovate, develop, and market new solutions beyond AIT, that bring us closer to allergic patients. Our goal is to build an effective future growth platform to engage with allergic patients and connect them with Allergy Specialists earlier in the disease progression.



## BAXTER HEALTHCARE CORPORATION - Booth 301

One Baxter Parkway, Deerfield, IL 60015  
Phone: 888-229-0001  
Email: [medinfo@baxter.com](mailto:medinfo@baxter.com)  
Website: <https://advancedsurgery.baxter.com>

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## CARESTREAM DENTAL - Booth 207

3625 Cumberland Blvd., Suite 700, Atlanta, GA 30339  
Phone: 888-477-4359  
Email: [SalesCoordinators.US@csdental.com](mailto:SalesCoordinators.US@csdental.com)  
Website: [csd-ent.com](http://csd-ent.com)

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## COOK MEDICAL - Booth 213

750 Daniels Way, Bloomington, IN 47402  
Phone: 800-457-4500  
Fax: 800-554-8335  
Email: [customersupport@cookmedical.com](mailto:customersupport@cookmedical.com)  
Website: [www.cookmedical.com](http://www.cookmedical.com)

Cook Medical's Otolaryngology-Head & Neck Surgery clinical specialty's initial areas of focus include soft tissue repair throughout the head and neck with an emphasis on sinonasal, otologic, and dural repair. The OHNS specialty also offers a suite of interventional sialendoscopy products for the access and treatment of obstructive salivary gland disease, and has recently ventured into sleep medicine with a new, minimally invasive snoring intervention device which addresses snoring at a palatal level. Cook Medical's OHNS specialty is diligently working to bring additional innovative, minimally invasive treatment options to the market for otolaryngologists and their patients.



## ECLERIS USA - Tabletop 11

11801 NW 100th Road, Suite 17, Medley, FL 33178  
Phone: 716-341-2330; Fax: 716-566-4265  
Email: [pieri@eriemedsupplies.com](mailto:pieri@eriemedsupplies.com)  
Website: <http://www.eriemedsupplies.com/>

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## HEMOSTASIS, LLC - Booth 203

5000 Township Parkway, St. Paul, MN 55110  
Phone: 651-855-1466; Fax: 651-855-1465  
Email: [customerservice@hemostasisllc.com](mailto:customerservice@hemostasisllc.com)  
Website: [www.hemostasisllc.com](http://www.hemostasisllc.com)

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## INHEALTH TECHNOLOGIES®

### INHEALTH TECHNOLOGIES - Tabletop 5

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### INTERSECT ENT - Showcase Tabletop 3

1555 Adams Drive, Menlo Park, CA 94025  
Phone: 866-531-6004; Fax: 650-641-2091  
Email: [cshafe@intersect.com](mailto:cshafe@intersect.com)  
Website: [www.intersectENT.com](http://www.intersectENT.com)

Intersect ENT is a medical technology company dedicated to advancing the treatment of ear, nose and throat conditions through evidence-based innovation, providing physicians with solutions to overcome clinical challenges and improve the quality of life for patients. The company's core technology is its bioabsorbable drug release platform and its current portfolio of sinus implants is designed to provide mechanical support and localized drug delivery for chronic sinus conditions. Intersect ENT was founded to find a better way to improve both the patient experience and surgical outcomes. Innovation backed by clinical evidence is a driving force of the company.



### J. MORITA USA - Tabletop 20

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Email: [info@jmoritausa.com](mailto:info@jmoritausa.com)  
Website: <https://www.morita.com/america>

J. Morita USA services North American dental professionals on behalf of one of the world's largest manufacturers and distributors, J. Morita Corporation. The North American office was established in 1964 and is headquartered in Irvine, California. Product lines include 3D/pan/ceph X-ray equipment, hand-pieces, apex locators, bone regeneration, and impression materials.



### KARL STORZ Endoscopy-America, Inc.

**Showcase Tabletop 1**  
2151 E. Grand Avenue, El Segundo, CA 90245  
Phone: 800-218-8100  
Email: [communications@karlstorz.com](mailto:communications@karlstorz.com)  
Website: [www.karlstorz.com](http://www.karlstorz.com)

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### LAPISTRANO - Tabletop



### MEDICAL CENTER SPECIALTY PHARMACY Tabletop 9

912 S. 16th Street, Wilmington, NC 28401  
Phone: 910-763-1896; Fax: 910-763-1709  
Email: [angie.redmond@mcpnc.com](mailto:angie.redmond@mcpnc.com)  
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## Medtronic

### MEDTRONIC - Booth 202/204/206

Restorative Therapies Group / ENT  
6743 Southpoint Drive North,  
Jacksonville, FL 32216  
Phone: 904-296-9600  
Website: [www.medtronic.com](http://www.medtronic.com)

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### MICROGEN DX - Tabletop 6

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Orlando, FL 32822  
Phone: 855-208-0019; Fax: 407-204-1401  
Email: [info@microgendx.com](mailto:info@microgendx.com)  
Website: [www.microgendx.com](http://www.microgendx.com)

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## MODERNIZING MEDICINE

### MODERNIZING MEDICINE - Tabletop 3

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Boca Raton, FL 33431  
Phone: 561-880-2998 x1558  
Email: [stephanie.pandal@modmed.com](mailto:stephanie.pandal@modmed.com)  
Website: [www.modmed.com](http://www.modmed.com)

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### NEILMED PHARMACEUTICALS INC.

601 Aviation Blvd.  
Santa Rosa, CA 95403  
Phone: 707-525-3784; Fax: 707-525-3785  
Email: [tradeshows@neilmed.com](mailto:tradeshows@neilmed.com)  
Website: [www.neilmed.com](http://www.neilmed.com)

The mission of the company is to create and maintain safe, affordable and effective products to sustain long-term growth and create drug free and effective nasal/sinus, first aid, ear and baby care devices for millions of consumers worldwide. Please visit the website [www.neilmed.com](http://www.neilmed.com) for more details.



### NOVARTIS Pharmaceuticals – Booth 208

One Health Plaza  
East Hanover, NJ 07936  
Phone: 888-669-6682  
Website: [www.novartis.com](http://www.novartis.com)

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### OLYMPUS AMERICA INC. - Booth 114/116

3500 Corporate Parkway  
Center Valley, PA 18034  
Phone: 800-401-1086  
Website: <http://medical.olympusamerica.com>

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## online

### ONDINE BIOMEDICAL INC.

#### Showcase Tabletop 5

19017 120TH Avenue, Suite 102  
Bothell, WA 98011  
Phone: 425-489-1100; Fax: 425-489-1101  
Email: [support@ondinebiomedical.com](mailto:support@ondinebiomedical.com)  
Website: [www.ondinebio.com](http://www.ondinebio.com)

Ondine is a leader in photodisinfection solutions and dedicated to the development of non-antibiotic anti-infective therapies for a broad spectrum of bacterial, viral and fungal infections. Ondine's Sinus Irrigation Catheter is a balloon irrigation catheter that removes mucus, biofilms, and debris from the paranasal sinuses. Featuring a malleable shaft and central lumen the irrigation catheter utilizes a soft, compliant balloon that occupies the majority of the space within the sinus cavity to optimally direct the flow of the irrigant.



### OPTINOSE - Booth 201, 209

1020 Stony Hill Rd., Suite 300,  
Yardley, PA 19067  
Phone: 267-364-3529  
Website: [www.optinose.com](http://www.optinose.com) and  
[www.xhancehcp.com](http://www.xhancehcp.com)

Optinose is a global specialty pharmaceutical company focused on serving the needs of patients cared for by ear, nose, and throat (ENT) and allergy specialists. To learn more, please visit [www.optinose.com](http://www.optinose.com) or follow us on Twitter and LinkedIn.



### PENTAX Medical – Booth 315

3 Paragon Drive, Montvale, NJ 07645  
Phone: 201-571-2300  
Email: [salessupport2@pentaxmedical.com](mailto:salessupport2@pentaxmedical.com)  
Website: [www.pentaxmedical.com/us](http://www.pentaxmedical.com/us)

PENTAX Medical provides endoscopy equipment for diagnostic, therapeutic, and research applications in ENT, Speech, Voice, and Swallowing fields. We are focused on products and services that enable healthcare providers to improve their clinical outcomes, reduce the cost of healthcare, and enhance the experience they deliver to their patients.



### PROBIONASE THERAPIES INC. – Booth 106

1151 Mount Royal Blvd., Montreal, Quebec H2V  
2M1, Canada  
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# RHINOSYSTEMS

Creator of Naväge Nasal Care

## RHINOSYSTEMS, INC.

### Showcase Tabletop 4

1 American Rd., Suite 1100,  
Brooklyn, OH 44144  
Phone: 216-801-4708  
Email: [elyse.morlan@navage.com](mailto:elyse.morlan@navage.com)

Website: [www.navage.com](http://www.navage.com)

RhinoSystems, Inc. is the developer, manufacturer, and distributor of Naväge Nasal Care, the world's only saline nasal irrigation system with powered suction. Naväge pulls refreshing saline in one nostril, around and through the posterior margin of the nasal septum, and out the other nostril, flushing out allergens, mucus, dust, and germs. Naväge is distributed online and in retail stores throughout the US and Canada, including CVS and Walgreens, and over 850,000 Naväge systems have been sold as of April 2018. Naväge Nasal Care is Nature's Decongestant® – it's safe, effective, all natural, and drug free. You'll LOVE that clean nose feeling!

# RONIN

## RONIN SURGICAL CORP. – Tabletop 8

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Email: [Contact@RoninSurgical.com](mailto:Contact@RoninSurgical.com)  
Website: [www.RoninSurgical.com](http://www.RoninSurgical.com)

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## SANOFI GENZYME REGENERON

### SANOFI GENZYME/REGENERON – Showcase Tabletop 2

777 Old Saw Mill Road, Tarrytown, NY 10591  
Phone: 914-847-8288  
Websites: [www.regeneron.com](http://www.regeneron.com) and [www.sanofigenzyme.com](http://www.sanofigenzyme.com)

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## SANTOSH SURGICAL INSTRUMENTS

### Tabletop 1

34, Hareram Insutrial Primises,  
1 B Patel Road, Goregaon East  
Mumbai, Maharashtra 400063, India  
Phone: 022 26852589  
Email: [santoshsurgicalin@gmail.com](mailto:santoshsurgicalin@gmail.com)  
Website: [www.santoshsurgical.in](http://www.santoshsurgical.in)

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## SMITH & NEPHEW - Booth 215

7000 W. William Cannon Dr., Austin, TX 78735  
Phone: 512-895-1089  
Email: [Melissa.Maniscalco@smith-nephew.com](mailto:Melissa.Maniscalco@smith-nephew.com)  
Website: [www.smith-nephew.com](http://www.smith-nephew.com)

Smith & Nephew is committed to providing solutions our customers can trust. Our line of Coblation Wands, sinus access devices, & nasal dressings help surgeons improve the quality of patients' lives.



## STRYKER – Booth 210, 212, 214, 216

3600 Holly Lane N, Suite 40  
Plymouth, MN 55447  
Phone: 763-463-1595 | Email: [ent.info@stryker.com](mailto:ent.info@stryker.com)  
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Stryker delivers evidence-supported technologies that enable you to deliver excellent outcomes and enhanced experiences to your patients. Stryker's ENT solutions – making success the standard. Please contact us for more information at <https://ent.stryker.com>



## STS MEDICAL - Booth 112

Expert Building 2<sup>nd</sup> Floor,  
37 Amal St., Kyriat Arie  
Petah Tikva 4951337, Israel  
Phone: +972 547 387 188  
Fax: +972 3 924 6363  
Email: [lena@ststent.com](mailto:lena@ststent.com)  
Website: [www.ststent.com](http://www.ststent.com)

STS Medical was founded in 2013 within business incubator Trendlines Medical. STS Medical has developed unique composite ArchSinus stent intended for insertion after functional endoscopic sinus surgery (FESS). The ArchSinus keeps the sinus cavity open up to 4 weeks and reduces the post-surgical complications.



## SUTTER MEDICAL USA - Tabletop 4

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Suite 118, Atlanta, GA 30339  
Phone: 770-702-7087; Fax: 470-308-3155  
Email: [info@sutter-usa.com](mailto:info@sutter-usa.com)  
Website: [www.sutter-usa.com](http://www.sutter-usa.com)

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## XORAN TECHNOLOGIES – Tabletop 17

5210 South State Road, Ann Arbor, MI 48108  
Phone: 800-709-6726  
Email: [info@xorantech.com](mailto:info@xorantech.com)  
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### Date & Time

Saturday, June 8, 2019  
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### Location

Sheraton Ballroom III  
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This program is run independently through Sanofi Genzyme and Regeneron. CME credit will not be offered.

We are unable to provide meals in connection with this presentation to physicians employed by the US federal government, non-US healthcare professionals or healthcare professionals holding an active medical license in Massachusetts, Minnesota, New Jersey or Vermont.

In addition, spouses and other guests are not permitted to attend unless they would qualify as an appropriate attendee on their own.

### Faculty



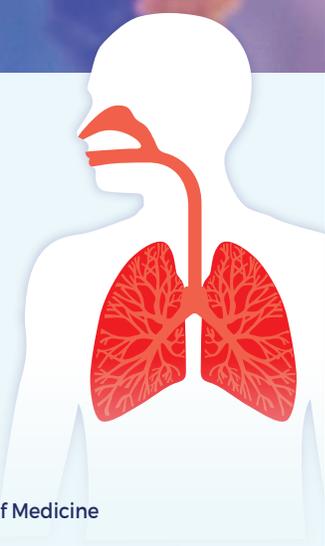
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& Neck Surgery  
East Virginia Medical School  
Norfolk, Virginia



**Christine Franzese, MD**  
Professor, Department of Otolaryngology –  
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