



SIXTH ANNUAL ARS  
**Summer Sinus  
Symposium**

*The Best Sinus Course in the World!*



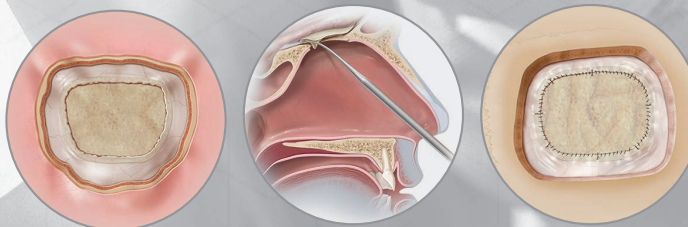
July 14-16, 2017 | WASHINGTON, D.C.

**PROGRAM GUIDE**



# Handle with *ease*, *repair* with confidence.<sup>1</sup>

The Biodesign® Duraplasty Graft is easy to manipulate, doesn't swell with hydration<sup>2</sup>, can be secured into place with or without sutures and completely remodels into host tissue, resulting in a post-op leak rate as low as 1.7%<sup>1</sup>.



Illustrations by Lisa Clark

## Biodesign® DURAPLASTY GRAFT

Visit us Today  
at Booth 11.

1. Bejjani GK, Zabramski J; Durasis Study Group. Safety and efficacy of the porcine small intestinal submucosa dural substitute: results of a prospective multicenter study and literature review. *J Neurosurg*. 2007;106(6):1028-1033.
2. Iling E, Chaaban MR, Riley KO, Woodworth BA. Porcine small intestine submucosal graft for endoscopic skull base reconstruction. *Int Forum Allergy Rhinol*. 2013;3(11):928-932.

#### Biodesign® Duraplasty Graft

**INTENDED USE:** The Biodesign Duraplasty Graft is intended for use as a dura substitute for the repair of dura mater. This graft is supplied sterile in peel-open packages and is intended for one-time use. **EX ONLY** This symbol means the following: **CAUTION: Federal (U.S.A.) law restricts this device to sale by or on the order of a physician.**

**DURAPLASTY GRAFT** This symbol means the following: Duraplasty Graft. This product is intended for use by trained medical professionals.

**CONTRAINDICATIONS:** The Biodesign Duraplasty Graft is not designed, sold or intended for use except as described in the indications for use and is contraindicated. • For use in patients with a known history of hypersensitivity to porcine derived materials; • For repair of spinal neural tube defects; and • For anterior spinal surgery with dural resection (e.g. transoral surgery). Additionally: • Use with caution in infected regions. • It is not recommended to cover defects involving mastoid cells. • It is not recommended for large defects at the skull base following surgery; however the Biodesign Duraplasty Graft may be used to augment other forms of specific repair (e.g. pedicled flaps or vascularized pedicled flaps).

**PRECAUTIONS:** The Biodesign Duraplasty Graft is designed to augment skull base repair where layering techniques such as bony buttressing, pedicled flaps or vascularized pedicled flaps and packing are currently used. The graft should not replace standard layering techniques or be implanted as a stand-alone repair. • Peer reviewed literature has reported the use of this material as a dural substitute at the skull base in defects up to 4.5 cm<sup>2</sup>. • This device is designed for single use only. Attempts to reprocess, resterilize, and/or reuse may lead to device failure and/or transmission of disease. • Do not use if the product package is damaged or opened. • Discard graft if damage or contamination is observed, or if the graft is past its expiration date. • Prior to touching the graft, wash surgical gloves thoroughly to remove the glove powder. • Ensure that graft sterility is maintained during preparation and implantation at repair site. • Suturing is not required but if the graft is to be sutured, tensionless suturing technique must be used. • Discard all open and unused portions of the graft sheets. • The graft should be cut to size ensuring an overlap to cover the existing dura. • Ensure that graft is rehydrated and all layers of the graft are secured if fixation with suture is employed.

**POTENTIAL COMPLICATIONS:** The following complications are possible with the use of surgical graft materials in neurosurgical procedures. • Infection, adhesion, CSF leak, delayed hemorrhage and calcification • Acute or chronic inflammation (Initial application of surgical graft materials may be associated with transient, mild, localized inflammation.) • Allergic reaction

See instructions for use for full product information.

AB\_FP0095-01\_REV2



cookmedical.com



Dear Attendees,

### **WELCOME!**

We are delighted that you have chosen to attend the Sixth Annual Summer Sinus Symposium. This really is the best sinus course in the world! The program includes a dynamic and diverse perspective in the management of routine and complex problems. As in previous years, we have focused on panel discussion and audience interaction. Please share your thoughts and experiences with the panelists. This year, we are incorporating new digital media to interact with panelists and moderators. We have also included plenty of time to meet the exhibitors who have generously supported this conference and have allowed us to offer it at such minimal expense (**FREE FOR ARS and ERS MEMBERS!**). Please take a moment to thank them. This is the best sinus course in the world and also the best value in a sinus course in the world. Finally, enjoy the opportunities to interact with our colleagues during the breaks and the Friday evening social event. Washington, DC is an ideal destination and we are confident you will enjoy all that it has to offer.

### **PROGRAM:**

Day one will feature a keynote address by Congressman Phil Roe, MD. "Health Care Reform in Congress: Where we have been and where we are going." There will be a series of panels mixed with a demonstration dissection highlighting use of the latest technology. Day one will conclude with the social event at the Omni Hotel, featuring appetizers, cocktails, and collegial fellowship. In the morning of day two, we will also convene in the combined session. This will include panels highlighting additional topics of broad general interest and another demonstration cadaver dissection. After lunch our corporate sponsors will be offering several non-CME events or you are free to explore all that DC has to offer.

The program on the morning of day three is offered in four parallel breakout rooms, each with a different theme. Feel free to select the sessions most relevant to you from each of the four rooms.

### **ARS SUMMER SINUS SYMPOSIUM HIGHLIGHTS:**

- Watch experts perform cadaver dissections
- Keynote address on the "Health Care Reform in Congress" by Congressman Phil Roe, MD
- Discuss difficult situations we all encounter in sinus surgery and what to do when they happen
- Developments in in-office techniques and procedures
- Pediatric sinusitis: current treatment algorithms
- Demystifying the frontal sinus and frontal sinus surgery
- Tackle the toughest sinus cases in the country
- Update on the approach to nasal obstruction

# Program Information

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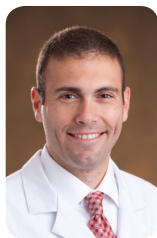


John DelGaudio,  
MD, FARS

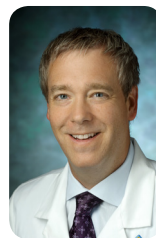
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*\*FARS: Fellow of American  
Rhinologic Society*

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# Please join us for these Ancillary Non-CME & Social Events

## Friday, July 14, 2017

### Olympus America, Inc. Breakfast Symposium

7:15am – 8:15am

**Title:** *In the OR and in the Office, new technologies are always within reach*

**Description:** New technologies to enhance visualization and to expand the microdebrider platforms are being utilized in both the OR and Office environments. Presenters will share their experience and protocols when using Olympus an SOMED technologies, including 4K video systems, UHD Sinusscopes, 4K InstaClear lens cleaner and Diego Elite Multidebrider. Case examples will be shared to highlight the benefits observed in their practice.

**Speakers:** Raj Sindwani, MD; Jordan Pritikin, MD

*This is a non-CME event sponsored by Olympus America Inc. It is neither sponsored by, nor endorsed by, the ARS.*

### Cook Medical Lunch Symposium

12:30pm – 1:30pm

**Title:** *CSF Leak Repair and Skull Base Reconstruction: A Cadaveric Demonstration*

**Description:** Dr. Bradford Woodworth will provide a cadaveric demonstration of modern skull base repair techniques using biologic grafts to allow for visual learning for all participants

**Speaker:** Bradford Woodworth, MD

*This is a non-CME event sponsored by Cook Medical. It is neither sponsored by, nor endorsed by, the ARS.*

### Acclarent Satellite Symposia

5:15pm – 6:15pm

**Title:** *Advancements in Navigation Technology*

**Description:** Panel Discussion: First users of Acclarent Navigation Technology

**Speaker:** Martin Citardi, MD

*This is a non-CME event sponsored by Acclarent - Part of the Johnson & Johnson Family of Companies. It is neither sponsored by, nor endorsed by, the ARS.*

The ARS will retain control over the use of Educational Grants, and implement safeguards designed to ensure that educational programs are non-promotional and free from commercial influence and bias. All ancillary industry sponsored events are non CME. They are neither sponsored by, nor endorsed by the ARS.

## Saturday, July 15, 2017

### Intersect ENT Breakfast Symposium

7:30am – 8:15am

**Title:** *Advancing Patient Care with Evidence-based Innovation*

**Description:** Learn about latest in local drug delivery technology and clinical evidence to maximize outcomes of sinus surgery.

**Speakers:** Amber Luong, MD, Roheen Raithatha, MD and Robert Adelson, MD  
*This is a non-CME event sponsored by Intersect ENT. It is neither sponsored by, nor endorsed by, the ARS.*

### Entellus Medical Lunch Symposia

12:30pm – 1:30pm

**Title:** *Office-based Sinus Surgery – Applying Your Surgical Skill to Expand Your Patients' Treatment Options*

**Description:** Join a panel of experienced office-based sinus surgeons and thought leaders to explore how office-based surgery is the logical next step in a transition that began with the adoption of functional endoscopic techniques over thirty years ago. The panel will methodically explore how they have migrated their OR techniques and approaches to treatment to the office, and the impact that shift has had on the experiences they deliver to their patients. The panel will discuss how office-based surgery fits into the current health care landscape, and how it may continue to evolve in the next two to three years. Join the conversation.

**Speakers:** Barton Knox, MD; Nora Perkins, MD; Manish Wani, MD; Nick Debnath, MD

*This is a non-CME event sponsored by Entellus Medical. It is neither sponsored by, nor endorsed by, the ARS.*

### Spirox

12:30pm – 1:30pm

**Title:** *New Paradigms in Treatment of Nasal Airway Obstruction*

**Description:** Presentation about Nasal Valve Collapse as a contributor of Nasal Airway Obstruction, and discussion about how LATERA fits in the treatment paradigm.

**Speakers:** Brent Senior, MD; Dean Toriumi, MD; Marc Dubin, MD

*This is a non-CME event sponsored by Spirox. It is neither sponsored by, nor endorsed by, the ARS.*

### Women in Rhinology Luncheon

12:30pm - 1:30pm

**Title:** *"Seven Tactics for Negotiating Your Future"*

**Description:** Negotiating is tricky business and can be difficult to master. Developing a successful negotiation strategy requires excellent communication skills and an awareness of how to address cultural biases. This session will focus on strategies and practical tools to help you succeed in the workplace. A guest speaker will discuss her successful negotiation tactics and then attendees will participate in a workshop to reinforce the application of these tactics in their day-to-day negotiation encounters.

**Moderator:** Jamie Litvack, MD

**Speaker:** Kimberly Russo, CEO, George Washington University Hospital  
*Supported by Cook Medical*

### Medtronic Lab

1:30-6:00pm

**Title:** *Navigated In-Office Sinus Surgery*

**Description:** During this program, we will educate attendees on in-office surgical procedures, such as FESS and sinus ostial dilation, that are being performed with Navigation. Following the didactic discussion, we will host a cadaver lab giving attendees the opportunity to work with Medtronic, Inc. office focused products which include our Fusion Compact Navigation system, Nexus microdebrider with blades and our family of NuVent sinus dilation balloons.

**Speakers:** Joseph Han, MD; Jivianne Lee, MD

*This is a non-CME event sponsored by Medtronic. It is neither sponsored by, nor endorsed by, the ARS.*

### Olympus America Inc.– Cadaver Workshop

1:30-3:30pm and 4:00-6:00pm

**Title:** *Utilization of 4K UHD Endoscopy, Diego Elite Multidebrider and Image Guidance in Various Frontal Sinus Procedures, a Hands-on Workshop*

**Description:** The session will begin with the proctors discussing frontal sinus procedures, including extended procedures from Draf 2a-3, extended sphenoidotomies, and exposure to the skull base. The session then moves into a hands-on cadaveric workshop, where attendees will focus on these procedures utilizing 4K video systems and UHD

Sinuscope, Image Guidance Navigation, Diego Elite Multidebrider and Celon Elite RFITT.

**Speakers:** Adam Folbe, MD;

Jordan Pritikin, MD

*These are non-CME events sponsored by Olympus America Inc. They are neither sponsored by, nor endorsed by, the ARS.*

### Entellus Medical Cadaveric Lab

1:30pm-3:00pm and 3:30pm-5:00pm

**Title:** *Approaches to Office-Based Sinus Surgery: A Hands-On Lab*

**Description:** The number of physicians moving procedures to the office continues to accelerate, but there is no one right approach to integration. From patient selection, to anesthesia, to technology, physicians are applying a variety of models for office-based procedures that fit the specific needs of their patient population and practice. In this hands on, physician led anatomical lab, explore three distinct approaches to office-based sinus surgery, and explore the techniques and technologies, from balloon sinus dilation to office friendly image guidance and shaver systems, enabling physicians to apply their surgical skills in this patient preferred site of service.

**Speakers:** Barton Knox, MD; Nora Perkins, MD; Manish Wani, MD; Nick Debnath, MD

*This is a non-CME event sponsored by Entellus Medical. It is neither sponsored by, nor endorsed by, the ARS.*

### Stryker

1:30 - 3:30pm and 4:00 - 6:00pm

**Title:** *Stryker Mobile Lab: Pituitary Approach and Nasoseptal Flap*

**Description:** Provide participants with a forum to learn Stryker technology in Pituitary Approach and Nasoseptal Flaps. Gain unique hands-on cadaveric experience utilizing Stryker technology including: Signature Series Drills, Sonopet Ultrasonic Aspirator, Nasopore, Hemopore, Stryker Navigation, ESSx microdebrider.

**Speakers:** Adam Zanation, MD; Eric Wang, MD

*This is a non-CME event sponsored by Stryker. It is neither sponsored by, nor endorsed by, the ARS.*

# GENERAL INFORMATION

## REGISTRATION HOURS

Thursday, July 13: 5:00 pm – 7:00 pm  
Friday, July 14: 7:00 am – 5:30 pm  
Saturday, July 15: 7:00 am – 5:30 pm  
Sunday, July 16, 7:00 am - 10:00 am

**NOTE:** Registration will be located at the Omni Shoreham Hotel, lobby level in the West Lobby. Badges must be worn to enter meeting rooms and exhibit hall. *Children under the age of 16 are not permitted in the exhibit hall.*

## EXHIBIT HALL HOURS

Friday, July 14: 8:00 am – 4:00 pm  
Saturday, July 15: 8:00 am – 1:30 pm  
Sunday, July 16, 7:30 am - 10:30 am

Buffet lunch and breaks will be served in the Exhibit Hall on Friday and Saturday, with an ARS sponsored breakfast on Sunday. We encourage networking with our valuable Exhibitors and learning about new technologies in our field.



## **Friday Night Event** **Cocktail Reception on the Empire Terrace** **Omni Shoreham Hotel**

*Included with registration*

**Friday, July 14, 2017 at 6:30 pm**

Guest tickets are also available for \$125 per ticket.

## WiFi

Network: ARS 2017 - Password: SSS2017

Complimentary internet access is available in the ARS Registration area, Exhibit Hall, General Session, and Breakout Rooms.

## Announcements

Attendees may post announcements regarding employment opportunities, professional or scientific meetings, and personal messages to other conference delegates on the message board and table located in the Registration area.

## Cell Phones

As a courtesy to your colleagues, please silence your phone while in the scientific sessions.

## Dress Code

Business casual attire is suggested.

## Speaker Ready Room

The Speaker Ready Room is located in the Committee Room and is open at the following times:

**Thursday, July 13:** 4:00 pm – 7:00 pm

**Friday, July 14:** 7:00 am – 5:00 pm

**Saturday, July 15:** 7:00 am – 5:00 pm

**Sunday, July 16:** 7:00 am - 9:00 am

## Disclaimer

Attendees voluntarily assume all risks involved in travel to and from the symposium and in attendance of and participation in the program. The ARS shall not be liable for any loss, injury, or damage to person or property resulting directly or indirectly from any acts of God, acts of government or other authorities, civil disturbances, acts of terrorism, riots, thefts, or from any other similar cases.

## Maintenance of Certification (MOC)

The American Board of Otolaryngology actively sponsors and manages the Maintenance of Certification program, details of which can be found at [www.aboto.org](http://www.aboto.org). As a service to both the American Rhinologic Society and the Otolaryngology community at large, the *ARS 2017 Summer Sinus Symposium* will offer education regarding the MOC process, and much of the course content will be relevant to rhinologic components of the MOC examinations.

## 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

ARS designates this live activity for a maximum of 14.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## How to Obtain Your CME Certificate

Go to [ARS.CmeCertificateOnline.com](http://ARS.CmeCertificateOnline.com) and click on "ARS 6th Annual Summer Sinus Symposium" link. On the site, you will be asked to evaluate the overall conference. A certificate will be made available for you to print. Questions? Email [Certificate@AmedcoEmail.com](mailto:Certificate@AmedcoEmail.com)



# 2017 ARS SUMMER SINUS SYMPOSIUM SUPPORT

The American Rhinologic Society gratefully acknowledges the following companies for their support of the 6th Annual Summer Sinus Symposium.

## 2017 EXHIBITORS

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# PROGRAM AT-A-GLANCE

FRIDAY, JULY 14, 2017 • Regency Ballroom

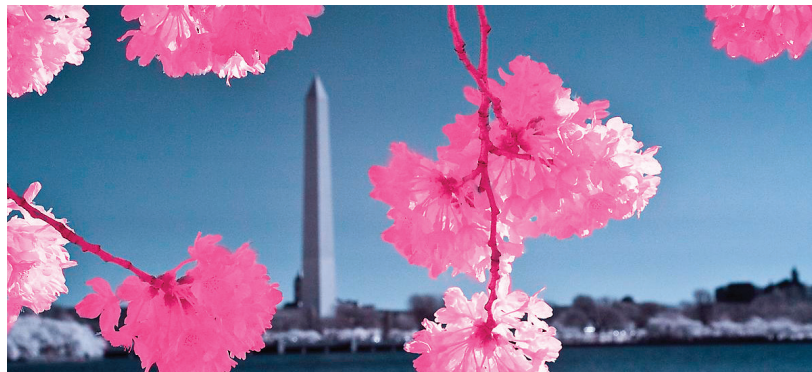
<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
7:15-8:15 AM <b>Non-CME Breakfast Symposium</b>		
8:15-8:20 AM <b>Welcome and Introduction</b>	John DelGaudio, MD, FARS, ARS President	
8:20-8:50 AM <b>Keynote Address: "Health Care Reform in Congress: Where We've Been and Where We Are Going"</b>	Congressman Phillip Roe, MD	
9:00-10:00 AM <b>Getting It Right the First Time! Primary Endoscopic Sinus Surgery</b> <ul style="list-style-type: none"><li>• To identify critical embryology and anatomy to optimize technical aspects of surgery</li><li>• To identify the proper patient for first time procedures</li><li>• To discuss post-operative medication regiments to optimize outcomes</li></ul>	Brent Senior, MD, FARS	Roy Casiano, MD, FARS Greg Davis, MD, FARS David Kennedy, MD, FARS Ralph Metson, MD, FARS Ameet Singh, MD, FARS Eugenia Vining, MD
10:00-10:30 AM <b>Break with Exhibitors</b>		
10:30-11:30 AM <b>Primary Frontal Sinus Surgery: To Do, Or Not To Do?</b> <ul style="list-style-type: none"><li>• Review the relevant anatomy of the frontal sinus outflow tract</li><li>• Discuss the indications and contraindications for primary frontal sinus surgery</li><li>• Consider available technologies and their impact on operative techniques for the frontal sinus</li></ul>	Michael Sillers, MD, FARS	Pete Batra, MD, FARS Marc Dubin, MD, FARS Jivianne Lee, MD, FARS Michael Stewart, MD, FARS Kevin Welch, MD, FARS
11:30 AM-12:30 PM <b>Second Chances: Finding Success in Revision Sinus Surgery</b> <ul style="list-style-type: none"><li>• Describe common causes of suboptimal outcomes in endoscopic sinus surgery</li><li>• Discuss the role of medical therapies and devices in management of surgical failures</li><li>• Compare the indications for various extended sinus procedures in the treatment of surgical failures</li></ul>	Peter Hwang, MD, FARS	Charles Ebert, MD, FARS Eric Holbrook, MD, FARS Robert Kern, MD, FARS Devyani Lal, MD Douglas Reh, MD, FARS Brad Woodworth, MD, FARS
12:30-1:30 PM <b>Lunch in Exhibit Hall</b>		
1:30-2:30 PM <b>Cadaver Dissection #1: Pearls in Primary Sinus Surgery: Improving Technique From Office to OR</b> <ul style="list-style-type: none"><li>• Demonstrate key maneuvers in primary sinus surgery to optimize surgical outcomes</li><li>• Discuss specific strategies to improve outcomes and avoid complications during primary sinus surgery</li><li>• Understand novel options for in-office rhinology procedures</li></ul>	Jivianne Lee, MD, FARS	Richard Orlandi, MD, FARS <i>Moderator</i>
2:30-3:30 PM <b>Would You Do This in Your Office?</b> <ul style="list-style-type: none"><li>• Understand the socioeconomic impact of office surgery</li><li>• To understand appropriate patient and pathology selection for office surgery</li><li>• Demonstrate the types of procedures that can be safely performed in the office setting</li></ul>	John DelGaudio, MD, FARS	Michael Armstrong, MD Martin Citardi, MD, FARS Boris Karanfilov, MD, FARS Spencer Payne, MD, FARS Michael Setzen, MD, FARS
3:30-4:00 PM <b>Break with Exhibitors</b>		
4:00-5:00 PM <b>Complications of Endoscopic Sinus Surgery: Managing the Worst-Case Scenario</b> <ul style="list-style-type: none"><li>• Understand various complications of sinus surgery</li><li>• Recognize important treatment modalities in complications</li><li>• Discuss appropriate referral and consultation in patients suffering complications</li></ul>	Timothy Smith, MD, FARS	Yvonne Chan, MD John DelGaudio, MD, FARS Stacey Gray, MD, FARS David Kennedy, MD, FARS James Palmer, MD, FARS
6:30-8:30 PM <b>Cocktail Reception - Empire Terrace, Omni Shoreham Hotel</b>		



# PROGRAM AT-A-GLANCE

SATURDAY, JULY 15, 2017 • MORNING SESSION • Regency Ballroom

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
7:30-8:15 AM <b>Non-CME Breakfast Symposium</b>		
8:30-9:15 AM <b>Medical Management in 2017: Are We Any More Effective?</b> <ul style="list-style-type: none"><li>• Understand the current evidence &amp; guidelines for the initial medical management of the patient with sinus disease</li><li>• Discuss the current role of cultures and anti-microbial therapy in the management of CRS</li><li>• Review new therapeutic options and strategies for the patient with recalcitrant sinus complaints</li></ul>	Todd Kingdom, MD, FARS	Amber Luong, MD, FARS Zara Patel, MD, FARS Timothy Smith, MD, FARS
9:15-10:00 AM <b>Post-Operative Steps to Improve Outcomes</b> <ul style="list-style-type: none"><li>• Highlight intraoperative techniques that facilitate post-op care of the sinus surgery patient</li><li>• Consider the effect of postoperative medical therapy on endoscopic sinus surgery outcomes</li><li>• Examine the timing, extent, and utility of postoperative debridement on endoscopic surgery outcomes</li></ul>	Sarah Wise, MD, FARS	Peter Manes, MD, FARS Erin O'Brien, MD, FARS Raj Sindwani, MD, FARS Michael Stewart, MD, FARS
10:00-10:30 AM <b>Break with Exhibitors</b>		
10:30-11:30 AM <b>Novel Technology</b> <ul style="list-style-type: none"><li>• Describe new tools for office-based treatments</li><li>• Review new clinical evidence supporting the benefits of steroid eluting implants</li><li>• Discuss the impact, incidence and treatment options for eustachian tube disease</li><li>• Describe the impact, incidence and treatment options for soft tissue nasal obstruction</li></ul>	Winston Vaughan, MD, FARS	Ashutosh Kacker, MD Dennis Poe, MD, Roheen Raithatha, MD
11:30 AM-12:30 PM <b>Cadaver Dissection #2: Advanced Surgery Techniques for the Practicing Rhinologist</b> <b>DCR, Draf III, SPA Ligation, Endoscopic Approach to the Pituitary</b> <ul style="list-style-type: none"><li>• To understand techniques and steps for endoscopic dacryocystorhinostomy</li><li>• Understand key anatomic landmarks and common anatomical variations important in performing SPA ligation</li><li>• Understand key steps and key anatomic landmarks in providing optimal exposure for endoscopic hypophysectomy</li></ul>	Amber Luong, MD, FARS	Kevin Welch, MD, FARS <i>Moderator</i>
12:30-1:30 PM <b>Lunch in Exhibit Hall</b>		
1:30-6:30 PM <b>Non-CME Ancillary Sessions</b>		



# PROGRAM AT-A-GLANCE

## SUNDAY, JULY 16, 2017 • BREAKOUT SESSION A Regency Ballroom – Ameet Singh, MD, FARS

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
7:30-8:15 AM <b>ARS Sponsored Breakfast in the Exhibit Hall</b>		
8:30-9:15 AM <b>Personalized Surgical Decision Making for Chronic Rhinosinusitis</b> <ul style="list-style-type: none"><li>• Define concepts for personalized medicine and apply them to CRS diagnosis and management</li><li>• Recognize CRS subtypes in which tissue-sparing (i.e., balloon-catheter dilation with or without more limited endoscopic sinus surgery) are more appropriate</li><li>• Recognize CRS subtypes in which more extensive tissue removal (more extensive surgery, including mega-antrostomy, pan-sinus surgery and turbinate resection) are more appropriate</li></ul>	Martin Citardi, MD, FARS	John Clinger, MD Adam Folbe, MD, FARS Peter Hwang, MD, FARS Michael Sillers, MD, FARS Alla Solyar, MD, FARS
9:15-10:00 AM <b>Nasal Obstruction: Getting it Right the First Time</b> <ul style="list-style-type: none"><li>• Understand the common diagnostic considerations in evaluating nasal obstruction</li><li>• Learn to recognize the common mistakes to avoid in assessing nasal obstruction and nasal valve collapse</li><li>• Learn both standard and new approaches for correction of nasal obstruction and valve collapse</li></ul>	David Conley, MD, FARS	Jay Dutton, MD, FARS Lisa Ishii, MD Ira Papel, MD Madeleine Schaberg, MD Michael Setzen, MD, FARS
10:00-10:30 AM <b>Break with Exhibitors</b>		
10:30-11:30 AM <b>Office Based Procedure Setup and Logistics 101</b> <ul style="list-style-type: none"><li>• Understand local anesthetic techniques and protocols for in office procedures</li><li>• Describe equipment and staffing needs to initiate an office based practice</li><li>• Describe office workflow considerations for in-office procedures</li></ul>	Boris Karanfilov, MD, FARS	Naveen Bhandarkar, MD, FARS Rohit Garg, MD, FARS Ashutosh Kacker, MD William D. Leight, MD
11:30 AM-12:00 PM <b>International Consensus Statement on Rhinology – Why? How? What?</b> <ul style="list-style-type: none"><li>• Understand principles of evidence-based medicine and apply them to clinical practice</li><li>• Distinguish how the “International Consensus Statement on Rhinology and Allergy: Rhinosinusitis” can benefit his/her patient care</li><li>• Appreciate the strengths and weaknesses of current evidence in rhinosinusitis diagnosis and management</li></ul>	Richard Orlandi, MD, FARS	
12:00-12:30 PM <b>What Every Rhinologist Needs to Know About Coding, Quality Measures and the Financial Impact of CRS and What Is Coming Down the Road...</b> <ul style="list-style-type: none"><li>• Understand the impact of the 2016 survey on endoscopic snius surgery codes, MIPS and MACRA</li><li>• Understand how a rhinologist can prepare for the necessary quality measure needed in 2017</li><li>• Recognize the Financial Impact of CRS on Society and how the Rhinologist can lessen the burden</li></ul>	Michel Setzen, MD, FARS	

**Meeting Adjourns**

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## SUNDAY, JULY 16, 2017 • BREAKOUT SESSION B

### Empire Room – Charles Ebert, MD, FARS

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
7:30-8:15 AM <b>ARS Sponsored Breakfast in the Exhibit Hall</b>		
8:30-9:15 AM <b>Asthma Update</b> <b>What Every ENT Should Know About State of the Art Asthma Treatment Q&amp;A</b> <ul style="list-style-type: none"> <li>• Understand the relationship between asthma and CRS</li> <li>• Discuss evaluation of CRS related asthma from a pulmonologist's perspective</li> <li>• Explain medical treatment of CRS related asthma from a pulmonologist's perspective</li> </ul>	Christian Merlot, MD	
9:15-10:00 AM <b>When It's SNOT Chronic Rhinosinusitis: Assessing for Other Conditions That Can Mimic CRS</b> <ul style="list-style-type: none"> <li>• Recognize uncommon conditions that can mimic CRS (such as cystic fibrosis, immunodeficiency and rheumatologic disorders)</li> <li>• Understand when to perform ancillary testing (such as genetic profiling) for patients presenting with CRS symptoms</li> <li>• Learn the appropriate ancillary testing for uncommon conditions that can mimic CRS</li> </ul>	Stacey Gray, MD, FARS	Seth Brown, MD, FARS Subinoy Das, MD, FARS Li-Xing Man, MD John Schneider, MD Justin Turner, MD
10:00-10:30 AM <b>Break with Exhibitors</b>		
10:30-11:30 AM <b>What is 'Appropriate Medical Therapy?'</b> <ul style="list-style-type: none"> <li>• Define appropriate medical therapy</li> <li>• Discuss the differences between appropriate medical therapy and maximal medical therapy</li> <li>• Provide case examples of appropriate medical therapy</li> </ul>	David Poetker, MD, FARS	Andrew Lane, MD, FARS Zara Patel, MD, FARS Zachary Soler, MD Troy Woodard, MD, FARS
11:30 AM-12:00 PM <b>Controversies in Allergy Testing and Immunotherapy: Challenging Traditional Practice</b>	Nkiruka Erekosima, MD	Christopher McMains, MD, FARS
12:00-12:30 PM <b>Cases/Panel</b> <ul style="list-style-type: none"> <li>• Determine the appropriate method of testing and immunotherapy for the allergic rhinitis patient based on current evidence</li> <li>• Describe the advantages and disadvantages of different methods of allergy testing</li> <li>• Formulate the best treatment plan for the patient who is considering subcutaneous vs. sublingual immunotherapy</li> </ul>	Stella Lee, MD, FARS	Jayant Pinto, MD Elina Toskala MD, FARS
<b>Meeting Adjourns</b>		

# PROGRAM AT-A-GLANCE

## SUNDAY, JULY 16, 2017 • BREAKOUT SESSION C

### Hampton Room – Erin O'Brien, MD, FARS

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
7:30-8:15 AM <b>ARS Sponsored Breakfast in the Exhibit Hall</b>		
8:30-8:55 AM <b>My Cough is From My Post-Nasal Drainage...Can't You See It Back There Doc?</b>	Alexander Hilliel, MD	Karen Bednarski, MD, FARS Jean Kim, MD, FARS
8:55-9:15 AM Cases/Panel <ul style="list-style-type: none"><li>• Understand the common etiologies of chronic cough and postnasal drip from a rhinology and laryngology perspective</li><li>• Understand the rhinologist's role in the workup and treatment of chronic cough and when to refer to other specialists</li><li>• Learn treatment options for chronic cough and postnasal drip</li></ul>	Murugappan Ramanathan, MD, FARS	Matthew Ryan, MD, FARS Bruce Tan, MD
9:15-10:00 AM <b>Management of Epistaxis: From Office to OR</b> <ul style="list-style-type: none"><li>• Understand the clinical options for management of epistaxis</li><li>• Review management options of posterior epistaxis</li><li>• Discuss tips and tricks for SPA ligation</li></ul>	Pete Batra, MD, FARS	Naveen Bhandarkar, MD, FARS Christopher Church, MD, FARS Janalee Stokken, MD Marilene Wang, MD, FARS
10:00-10:30 AM <b>Break with Exhibitors</b>		
10:30-11:00 AM <b>I Don't Have Migraines, Doc, I Have "Sinus Headaches"</b>	David Newman-Toker MD	Holly Boyer, MD Thomas Higgins, MD, FARS
11:00-11:30 AM Cases/Panel <ul style="list-style-type: none"><li>• To differentiate migraine from "sinus headaches" and other types of headaches, highlighting known diagnostic pitfalls</li><li>• To discuss medical and surgical treatment options for patients with sinusitis and comorbid migraine headaches</li><li>• To determine the indications, contraindications and outcomes of sinus surgery in patients with sinusitis and comorbid migraine headaches</li></ul>	Jamie Litvack, MD, FARS	Mark Mehle, MD Alla Solyar, MD, FARS
11:30 AM-12:30 PM <b>Runny Noses: A Comprehensive Approach to the Medical and Surgical Treatment Of Pediatric Sinusitis</b> <ul style="list-style-type: none"><li>• Discuss the current approaches for diagnostic evaluation for sinusitis in children</li><li>• Review the evidence-based medical and surgical management of sinusitis in children</li><li>• Understand the current surgical options in pediatric sinus surgery, including traditional FESS, balloons, and new advances</li></ul>	Sandra Lin, MD, FARS	David Gudis, MD Ayesha Khalid, MD, FARS Mark Rizzi, MD Jonathan Walsh, MD

**Meeting Adjourns**



# PROGRAM AT-A-GLANCE

## SUNDAY, JULY 16, 2017 • BREAKOUT SESSION D

### Executive Room – Abtin Tabae MD, FARS

#### Time/Topic

#### Moderator/Speaker

#### Panelists

7:30-8:15 AM

**ARS Sponsored Breakfast in the Exhibit Hall**

8:30-9:15 AM

#### **Endoscopic Tumor Surgery: All the Right Moves – Work Up, Resection and Follow Up**

- Be able to discuss appropriate work up and referral for several types of sinonasal tumor presentations
- Become familiar with the challenges of endoscopic resection and repair in sinonasal tumors
- Discuss and delineate appropriate follow-up schema for patients after primary treatment of sinonasal tumors

James Palmer, MD, FARS

Nithin Adappa, MD, FARS  
Benjamin Bleier, MD  
Eric Wang, MD, FARS  
Adam Zanation, MD

9:15-10:10 AM

#### **Chronic Rhinosinusitis Ask the Experts: What To Do When All Else Fails**

**Presenters:** *David Jang, MD, Joshua Levy, MD, Michael Marino, MD, Kenneth Rodriguez, MD*

- Discuss the evaluation and management of chronic rhinosinusitis refractory to maximal medical therapy and endoscopic sinus surgery
- Learn advanced surgical techniques and procedures to improve outcomes after functional endoscopic sinus surgery
- Explore the role of novel and emerging medical therapies for recalcitrant chronic rhinosinusitis

Jeffrey Suh, MD

Peter Hwang, MD, FARS  
Jordan Pritikin, MD, FARS  
Joey Raviv, MD, FARS  
Paul Russel, III, MD  
Michael Stewart, MD, FARS

10:10-10:30 AM

**Break with Exhibitors**

10:30-11:30 AM

#### **Frontiers, Challenges and Controversy in Endoscopic Skull Base Surgery**

**Presenters:** *Brian D'Anza, MD, Angela Donaldson, MD, Arjun Parasher, MD, Mindy Rabinowitz, MD, Bobby Tajudeen, MD*

- Review a practical approach to diagnostic testing and pre-treatment evaluation of patient with a unilateral sinonasal mass
- Present the surgical principles of the different options for reconstructing the skull base and closing cerebrospinal fluid leaks
- Discuss controversies in the management of sinonasal malignancies including adjuvant therapy, orbital resection, open versus endoscopic surgery
- Discuss the indications and limitations of endoscopic approaches to skull base neoplasms

Gurston G. Nyquist, MD, FARS

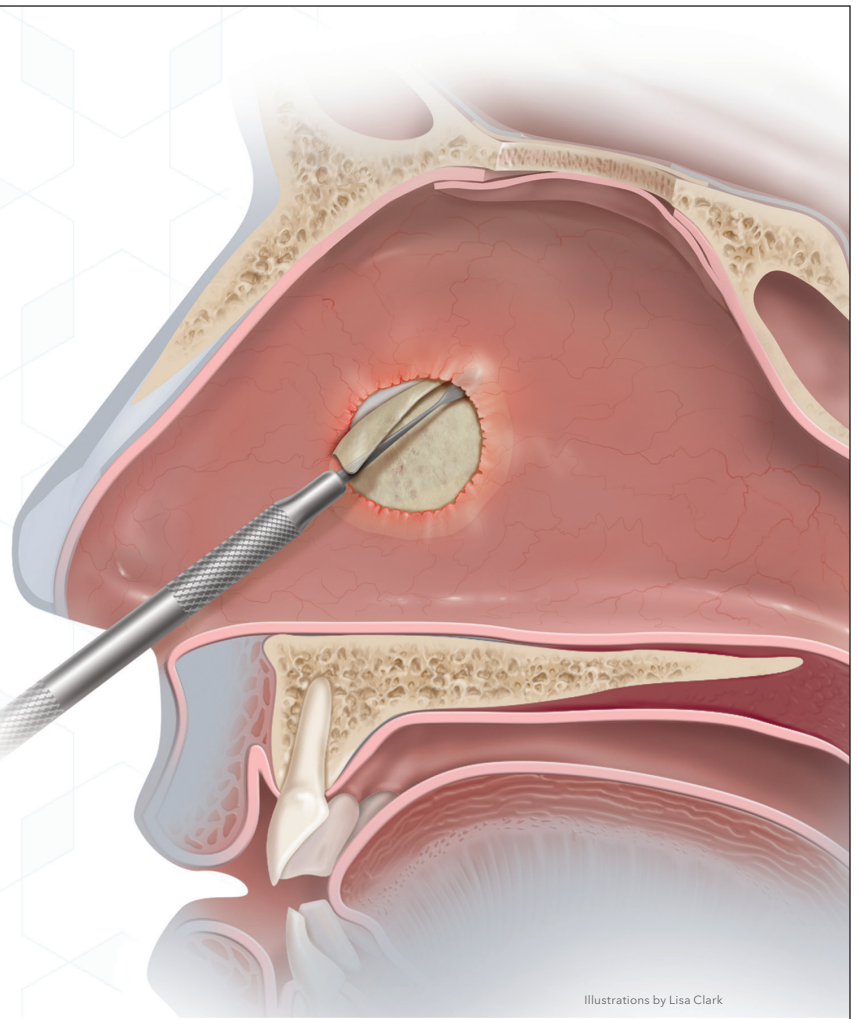
Pete Batra, MD, FARS  
Roy Casiano, MD, FARS  
Edward McCoul, MD, FARS  
Belachew Tessema, MD  
Adam Zanation, MD

**Meeting Adjourns**



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Illustrations by Lisa Clark

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1. Ambro BT, Zimmerman J, Rosenthal M, Pribitkin EA, Nasal septal perforation repair with porcine small intestinal submucosa. *Arch Facial Plast Surg.* 2003;5(6):528-529.
2. Greywoode J, Hamilton J, Malhotra PS, et al. Repair of nasal septal perforation with porcine small intestinal submucosa xenograft. *J Otol Rhinol.* 2012;1(2).

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**PRECAUTIONS:** This device is designed for single use only. Attempts to reprocess, resterilize, and/or reuse may lead to device failure and/or transmission of disease. • **Do not resterilize.** Discard all open and unused portions of the graft. • The graft is sterile if the package is dry, unopened and undamaged. Do not use if the package seal is broken. • Discard graft if mishandling has caused possible damage or contamination, or if the graft is past its expiration date. • The graft should not be applied until excessive exudate, bleeding, acute swelling, and infection is controlled. • Ensure that all layers of the graft are secured during fixation.

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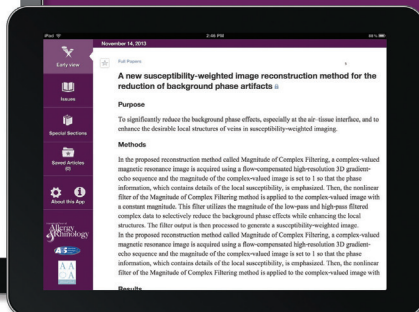
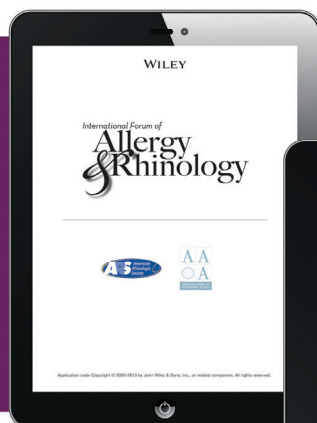
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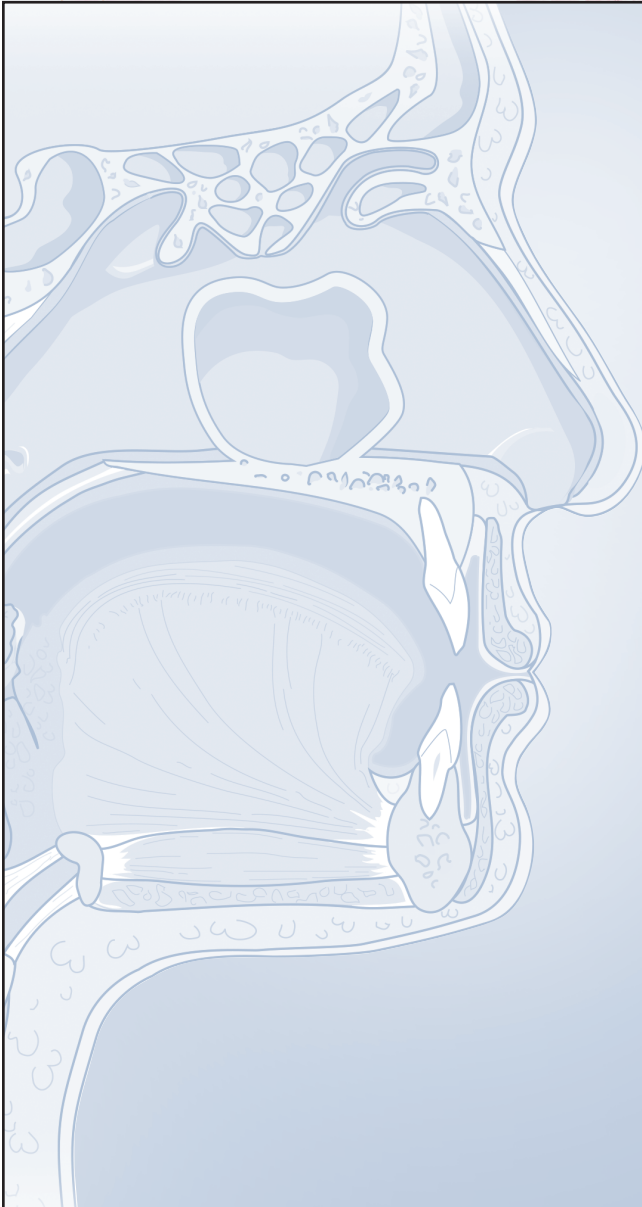
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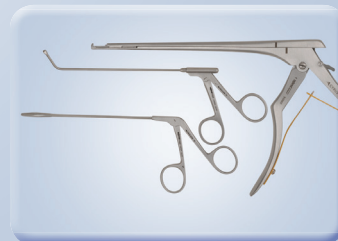
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