

10TH Annual
**SUMMER
SINUS
SYMPOSIUM**
American Rhinologic Society



*Best Sinus Course in the World:
Improving Rhinology from Office to OR*

July 23-25, 2021
Marriott Austin Downtown Hotel
Austin, TX

PROGRAM GUIDE



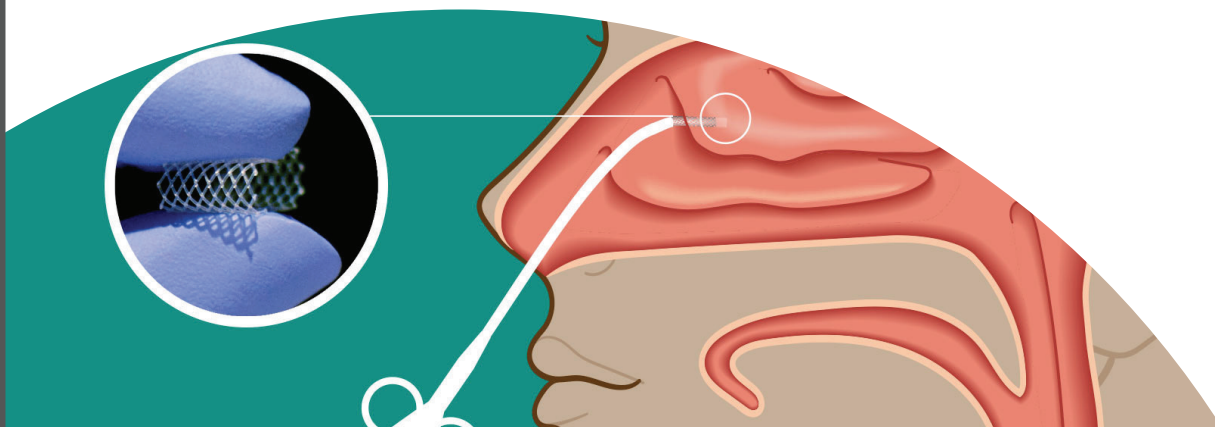
Learn more about LYR-210 for Chronic Rhinosinusitis

An investigational product designed to provide 6 months of anti-inflammatory treatment from a single in-office administration.

LYR-210 is designed as a non-invasive alternative to sinus surgery for the millions of CRS patients who have failed medical management.

See Phase 2 results and more details here.

LYRATHERAPEUTICS.COM





Welcome from Course Directors!

Welcome to the 10th Annual ARS Summer Sinus Symposium!

We are excited to see everyone here in person, in Austin. Please spend time in the Exhibit Hall and register for any of the numerous industry sponsored breakfast and lunch symposiums to get the most up to date information on the newest innovations in rhinology.

We also welcome you to the Signature Event, Friday evening in the Zanzibar Club on the 7th floor rooftop lounge at the conference hotel.

Lastly, as the conference wraps up on Sunday, please provide us feedback for your experience and let us know what you liked and what areas you'd like to see more of. This is your course and we aim to continue to make this The Best Sinus Course in the World.

Enjoy the course.

Course Directors: Greg Davis, MD, MPH, FARS; Marc Dubin, MD, FARS; Doug Reh, MD, FARS

ARS 10TH ANNUAL SUMMER SINUS SYMPOSIUM HIGHLIGHTS:

- Expanded cadaver prosections
- Keynote address *"From ethmoiditis to Everest: Perspectives on sinus infections, physical burnout, and renewal"* by Paul Pottinger, MD, FACP, FIDSA
- New dedicated allergy program
- Symposia sessions



Welcome from the ARS President

Dear Friends and Colleagues,

The past year has been a difficult year for everyone as a result of COVID we are excited to be hosting the 10th Annual Summer Sinus Symposium in person at the new Marriott Austin Downtown Hotel in Austin, Texas. After a year of being insulated, the meeting will provide a great opportunity for brilliant education and a time to reunite with friends and colleagues.

Since the conception of the ARS Summer Sinus Symposium, the mission has been to provide an environment where all levels of health care providers can learn practical clinical pearls as well as share their experience with their friends and colleagues. Therefore, the meeting has become one of the most anticipated educational meetings. This year, the meeting promises to live up to all expectations, delivering an exciting, comprehensive program representing the state of the art in rhinology, endoscopic skull base surgery, and allergy. The meeting provides a tremendous venue for up-to-date knowledge for practicing otolaryngologist and allied health professional involved in rhinologic patient care.

During the ARS SSS, time has been allocated to meet with the exhibitors to examine some of the newest equipment and treatment options for our rhinology patients. Our corporate supporters have generously supported this conference and have allowed us to offer the meeting at a minimal expense. Please take a moment to thank them.

Welcome to Austin!

Joseph K Han, MD, FARS
President, American Rhinologic Society



Program Information

PRESIDENT

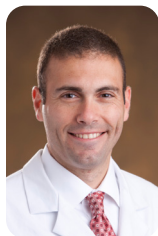


Joseph Han,
MD, FARS

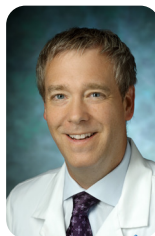
COURSE DIRECTORS



Greg Davis,
MD, FARS



Marc Dubin,
MD, FARS



Douglas Reh,
MD, FARS

Invited Faculty

Ralph Abi Hachem, MD
Nithin Adappa, MD, FARS
Nadeem Akbar, MD
Ronda Alexander, MD
Mark Arnold, MD
Pete Batra, MD, FARS
Naveen Bhandarkar, MD, FARS
Benjamin Bleier, MD, FARS
Robert Bridge, MD, FARS
Roy Casiano, MD, FARS
Rakesh Chandra, MD, FARS
Philip Chen, MD, FARS
Do-Yeon Cho, MD
Martin Citardi, MD, FARS
David Clark, MD, FARS
John Craig, MD, FARS
Dana Crosby, MD, FARS
Brian D'Anza, MD
Cecelia Damask, DO
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Jean Anderson Eloy, MD, FARS
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Christine Franzese, MD, FARS
Rohit Garg, MD, FARS
Scott Graham, MD, FARS
Stacey Gray, MD, FARS
David Gudis, MD, FARS
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Ashleigh Halderman, MD, FARS
Joseph Han, MD, FARS
Stephen Hernandez, MD
Elisa Illing, MD, FARS
Christopher Ito, MD
Stephanie Joe, MD, FARS
Ashutosh Kacker, MD

David Kennedy, MD, FARS
Robert Kern, MD, FARS
Esther Kim, MD
Jean Kim, MD, FARS
Cristine Klatt-Cromwell, MD
Devayani Lal, MD, FARS
Kent Lam, MD
Donald Lanza, MD, FARS
Jivianne Lee, MD, FARS
W. Derek Leight, MD, FARS
Corinna Levine, MD, FARS
Joshua Levy, MD, FARS
Jonathan Liang, MD, FARS
Sandra Lin, MD, FARS
Jamie Litvack, MD, FARS
Brian Lobo, MD
Tran Locke, MD
Amber Luong, MD, PhD, FARS
Luis Fernando Macias-Valle, MD, FARS
Chadi Makary, MD, FARS
R. Peter Manes, MD, FARS
Li-Xing Man, MD
Mark Mehle, MD
Whit Mims, MD
Erin O'Brien, MD, FARS
Randall Ow, MD, FARS
James Palmer, MD, FARS
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Vijay Patel, MD
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Horatio Ramos, MD
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Joseph Raviv, MD
Douglas Reh, MD, FARS
Kenneth Rodriguez, MD

Lauren Roland, MD
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Matthew Ryan, MD, FARS
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Michael Setzen, MD, FARS
Michael Sillers, MD, FARS
Raj Sindwani, MD, FARS
Alla Solyar, MD, FARS
Todd Spock, MD
James Stankiewicz, MD, FARS
Toby Steele, MD
Michael Stewart, MD, FARS
Janalee Stokken, MD, FARS
Scott Stringer, MD, FARS
Eric Succar, MD
Jeffrey Suh, MD
Maria Suurna, MD
Bobby Tajudeen, MD, FARS
Elina Toskala, MD, FARS
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Matthew Tyler, MD
Winston Vaughan, MD, FARS
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Eric Wang, MD, FARS
Marilene Wang, MD, FARS
Kevin Welch, MD, FARS
Sarah Wise, MD, FARS
Troy Woodard, MD, FARS
Bradford Woodworth, MD, FARS
Arthur Wu, MD, FARS
David Yen, MD

**FARS: Fellow of American
Rhiniologic Society*

PROGRAM COMMITTEE

Nithin Adappa, MD, FARS
Yvonne Chan, MD, FARS
Rohit Garg, MD, FARS
Sarah Wise, MD, FARS

ARS EXECUTIVE COMMITTEE

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Zara Patel, MD, FARS
Bradford Woodworth, MD,
FARS
Timothy Smith, MD, FARS
(Ex-Officio Member)

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

FRIDAY, JULY 23, 2021

12:15 pm – 1:05 pm

Acclarent Lunch Symposium

Location: Room 403/404

Title: "Accuracy at Every Angle:

Navigating the Spectrum of Disease"

Speakers: Martin Citardi, MD, FARS; Karen Hoffman, MD; James Palmer, MD, FARS; Raj Sindwani, MD, FARS; Douglas Reh, MD, FARS

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

12:15 pm – 1:05 pm

Sanofi Genzyme & Regeneron Lunch Symposium

Location: Room 405

Title: "Take a Different Path to Chronic Rhinosinusitis with Nasal Polyposis (CRSwNP) Control"

Description: Presentation on a CRSwNP treatment followed by Q&A

Speakers: David Yen, MD

This is a non-CME event sponsored by Sanofi Genzyme & Regeneron. It is neither sponsored by, nor endorsed by, the ARS.

5:15 pm – 6:15 pm

Sanofi Genzyme & Regeneron Evening Symposium

Location: Room 403/404

Title: "A Focus on Type 2 Inflammation in Chronic Rhinosinusitis with Nasal Polyposis"

Description: A disease state presentation focusing on Type 2 inflammation in CRSwNP with Q&A to follow.

Speakers: Rakesh Chandra, MD, FARS
This is a non-CME event sponsored by Sanofi Genzyme & Regeneron. It is neither sponsored by, nor endorsed by, the ARS.

7:00 pm – 9:00 pm

Signature Event at the rooftop Zanzibar Club (7th Floor)

Cocktail Reception, included with registration. Guest Tickets are also available for \$125 per ticket

SATURDAY, JULY 24, 2021

7:00 am – 7:50 am

Chitogel Breakfast Symposium

Location: Waller Ballroom

Title: "Hemostasis and Mucosal Healing after Sinus Surgery"

Description: Hemostasis during, and at the end of sinus surgery, is important both for the ongoing safety of the patient and the eventual outcome of the surgery. Blood clot stimulates the inflammatory cascade and induces poor healing. We will present evidence of a new post-operative hydrogel (Chitogel) performance in providing hemostasis as well as evidence of it improving wound healing (ostial patency) and reducing the incidence of infection in the post-operative period. Speakers will also discuss techniques to aid hemostasis during sinus surgery.

Speakers: Professor Peter-John Wormald; Greg Davis, MD, FARS; Michael Sillers, MD, FARS

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

12:30 pm – 1:30 pm

Intersect ENT Lunch Symposium

Location: Room 403/404

Title: "Moving Beyond Conventional Treatments of Nasal Polyps – The Role of Localized Drug Delivery and Biologics"

Description: The purpose of this presentation will be to create a robust discussion around the advancements in managing Nasal Polyps. Panel participants will address the role, questions and concerns that surround Biologics and Localized Drug Delivery.

Speakers: Martin Citardi, MD, FARS; Keith Matheny, MD, FARS; Sanjeet Rangarajan, MD, FARS

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

12:30 pm – 1:30 pm

Aerin Medical Lunch Symposium

Location: Waterloo Ballroom 3, Fifth Floor

Title: "Advances in Office-Based Treatment of Nasal Obstruction and Chronic Rhinitis"

Description: An engaging, in-person panel discussion moderated by Dr. Sillers. Panelists will share clinical evidence and their techniques for addressing persistent nasal airway obstruction and chronic rhinitis using innovative office-based solutions (VivAer® and RhinAer®).

Speakers: Greg Davis, MD, FARS; Joseph Han, MD, FARS; Jivianne Lee, MD, FARS; Michael Sillers, MD, FARS
This is a non-CME event sponsored by Aerin Medical. It is neither sponsored by, nor endorsed by, the ARS.

12:30 pm – 1:30 pm

Stryker Lunch Symposium

Location: Room 603

Title: "Treating nasal airway obstruction and nasal valve collapse"

Description: We will highlight the importance of the nasal valve in patients with nasal airway obstruction and discuss technologies enabling you to offer more options to your patients. Faculty will review nasal valve collapse, its prevalence, patient evaluation and selection, treatment using the LATEA absorbable nasal implant system, the latest clinical data, and reimbursement using the new Category 1 CPT code 30468.

Speakers: Nick Debnath, MD, FACS – Orlando Sinus & Allergy Center
This is a non-CME event sponsored by Stryker. It is neither sponsored by, nor endorsed by, the ARS.

1:30 pm – 3:00 pm

3:15 pm – 4:45 pm

Stryker Lab

Location: Waterloo 1 & 2 (Fifth Floor)

Title: Navigating the future of sinus procedures

Description: Experience the latest that ENT Navigation has to offer. Put your frontal sinus anatomy identification skills to the test with a hands-on workshop using Stryker ENT Navigation Building Blocks software, and learn how these preoperative planning capabilities can be united with your endoscopic view in real-time during sinus surgery - The next generation solution that allows for more control over your surgical plan. Apply these learnings using Scopis image guidance during a cadaveric lab.

Speakers: Amber Luong, MD, PhD, FARS; Rodney Schlosser, MD, FARS
This is a non-CME event sponsored by Stryker. It is neither sponsored by, nor endorsed by, the ARS.

1:30 pm – 4:00 pm

Stryker Lab

Location: Room 502 (Fifth Floor)

Title: Stryker ENT Certification Lab

Description: Hands on certification on Eustachian Tube balloon dilation, LATERA, and ClariFix.

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

1:45 pm – 2:45 pm

Medtronic Afternoon Symposium

Location: Waller Ballroom E/F

Title: "Current Perspectives on Office Procedures & Anesthesia"

Description: The office site of service is seeing increased growth in ENT procedures being performed. As patients seek more minimally invasive relief, how is the profession meeting this need? We solicit the opinions of a panel of ENT experts.

Speakers: Jacob Johnson, MD; Roheen Raithatha, MD, FARS; Jivianne Lee, MD, FARS

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

5:00 pm – 5:30 pm

Women in Rhinology Networking Event

Waterloo Ballroom 5

Supported by Acclarent

5:30 pm – 7:30 pm

Women in Rhinology host the "Let Me See You 1, 2 Step"

Social dance event and cocktails. Don't miss the chance to learn the 2-step!

SUNDAY, JULY 25, 2021

7:00 am – 7:50 am

ALK, Inc. Breakfast Symposia

Location: Waller Ballroom E/F

Title: "OTIPRIO – Addressing the Otic Drop Compliance Challenge with Single-dose Technology"

Description: Ann Edmunds: Challenges of current otic drop administration, clinical overview of OTIPRIO, preparation and application techniques for OTIPRIO
Alyssa Foster: Billing, coding, reimbursement review/key concepts

Speakers: Ann Edmunds, MD, PharmD – Omaha Ear, Nose & Throat Clinic, Omaha, NE; Alyssa Foster, MD, COC – Reimbursement consultant and Owner of Directive Strategy Group LLC
This is a non-CME event sponsored by ALK, Inc. 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.

GENERAL INFORMATION

REGISTRATION HOURS

Thursday, July 22, 2021: 4:00 pm – 7:00 pm
Friday, July 23, 2021: 7:00 am – 5:00 pm
Saturday, July 24, 2021: 7:00 am – 5:00 pm
Sunday, July 25, 2021: 7:00 am – 10:00 am

NOTE: Registration will be located in Moontower Hall located on the 2nd Floor of the Marriott Austin Downtown Hotel. 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 23, 2021: 7:30 am – 3:30 pm
Saturday, July 24, 2021: 7:30 am – 1:15 pm
Sunday, July 25, 2021: 7:30 am – 10:45 am

Lunch and breaks will be served in the Exhibit Hall on Friday, Saturday, and Sunday. We encourage networking with our valuable Exhibitors and learning about new technologies in our field.

WiFi

Network: MarriottBonvoy_Conference Password: SSS2021
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, on the table located outside the exhibit hall.

Cell Phones

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

Dress Code

Business casual attire is suggested.

Speaker Ready Room

The Speaker Ready Room is located in Room 301 on the 3rd floor and is open at the following times:

Thursday, July 22, 2021: 4:00 pm – 7:00 pm
Friday, July 23, 2021: 7:00 am – 5:00 pm
Saturday, July 24, 2021: 7:00 am – 5:00 pm
Sunday, July 25, 2021: 7:00 am – 12:00 pm

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. As a service to both the American Rhinologic Society and the Otolaryngology community at large, the *ARS 2021 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 14.50 *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 <http://ars.cmecertificateonline.com> and click on “ARS 10th 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

COVID-19 NOTICE

Much thought has gone into keeping this in-person-only meeting as safe as possible and we are following responsible COVID guidelines (supported by the CDC and Marriott). In addition, we require meeting attendees to either show proof of full COVID vaccination (two weeks after the last dose) by showing their COVID vaccination card or a picture of it at meeting registration. Alternatively, attendees can show documentation of a negative COVID test within 3 days of the start of the meeting. We want to reinforce the importance of these requirements; no attendee will be admitted to the conference halls or exhibit hall without COVID clearance. Prior COVID infection is not a substitute for the requirements outlined above. For attendees needing a test who do not have either of those two requirements, see below for rapid COVID testing centers in Austin. (Attendee is responsible for scheduling an appointment for testing)

CareNow Urgent Care- Barton Springs

1.7 miles from the hotel, 6-minute car ride

https://www.carenow.com/locations/austin/barton-springs/?utm_campaign=corp_listings_mgmt&utm_source=google&utm_medium=business_listing

YES/NO Covid Testing

2.2 miles, 7-minute car ride

<https://yesnocovid.com>

2021 ARS SUMMER SINUS SYMPOSIUM SUPPORT

The American Rhinologic Society gratefully acknowledges the following companies for their support of the 10th Annual Summer Sinus Symposium.

EXHIBITORS

3-D Matrix Inc.
Acclarent
Advanced RX Compounding Pharmacy
Aerin Medical
ALK-Abelló, Inc.
Edge Pharmacy Holdings
Hemostasis, LLC
Intersect ENT
J. Morita USA
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FACULTY RECEPTION

Neurent

WOMEN IN RHINOLOGY NETWORKING EVENT

Acclarent



PROGRAM AT-A-GLANCE

FRIDAY, JULY 23, 2021 | Waller Ballroom

Time/Topic	Moderator/Speaker	Panelists
7:45 am - 8:00 am Welcome Marc Dubin, MD, FARS Douglas Reh, MD, FARS	Greg Davis, MD, FARS	
8:00 am – 8:45 am Primary sinus surgery: Pearls for success <ul style="list-style-type: none"> To understand evidence surrounding extent of primary sinus surgery for CRS To understand impact of timing upon surgical outcomes for CRS To understand how septoplasty and turbinate reduction impact ESS outcomes. 	Stacey Gray, MD, FARS	Rakesh Chandra, MD, FARS David Kennedy, MD, FARS Robert Kern, MD, FARS Eugenia Vining, MD
8:45 am – 9:30 am Primary frontal sinus surgery made simple <ul style="list-style-type: none"> Audience will understand the indications for frontal sinus surgery And the impact of technology on those indications Audience will explore the potential benefits and pitfalls of extended Frontal sinus surgery Audience will be able to manage complications from frontal sinus surgery 	Greg Davis, MD, FARS	Pete Batra, MD, FARS Joseph Han, MD, FARS Amber Luong, MD, PhD, FARS James Palmer, MD, FARS Rodney Schlosser, MD, FARS
9:30 am - 10:15 am Revision sinus surgery: Next Steps <ul style="list-style-type: none"> Evaluate patients with recalcitrant CRS and formulate a treatment Strategy Differentiate between the different surgical options available to Maintain sinus patency Demonstrate the appropriate surgical techniques in revision surgery of the paranasal sinuses 	David Poetker, MD, FARS	R. Peter Manes, MD, FARS Zara Patel, MD, FARS Brent Senior, MD, FARS Bradford Woodworth, MD, FARS
10:15 am - 10:45 am Break with Exhibitors		
10:45 am - 11:30 am Cadaver Dissection #1: Successful primary sinus surgery <ul style="list-style-type: none"> To develop a systematic preoperative evaluation of a sinus CT scan To understand the basic principles of endoscopic sinus surgery To be able to choose the correct instrumentation to achieve your Surgical goals in ESS 	Martin Citardi, MD, FARS Moderator	Winston Vaughan, MD, FARS Dissecting
11:30 am – 12:15 pm Complications and their management <ul style="list-style-type: none"> To develop strategies for complication avoidance in endoscopic sinus surgery To describe best practices for management of common complications To discuss common anatomical variants that may predispose a patient to complications 	Jivianne Lee, MD, FARS	Benjamin Bleier, MD, FARS Roy Casiano, MD, FARS Jean Anderson Eloy, MD, FARS Michael Stewart, MD, FARS
12:15 pm – 1:15 pm Lunch with Exhibitors		

PROGRAM AT-A-GLANCE

Time/Topic

1:15 pm – 2:00 pm

Keynote Address: From Ethmoids to Everest: Perspectives on Sinus Infections, Physical Burnout, and Renewal

- Learn the indications and limitations of antibiotic treatment for sinusitis
- Recognize the signs of physician burn out and techniques to avoid
- Appreciate the relationship between high altitude medicine and sinus issues

2:00 pm – 2:45 pm

Office based surgery 2021: Sinusitis

- Discuss current limits for office-based rhinology procedures for sinusitis
- Discuss criteria for patient selection for office-base sinus rhinology procedure
- Explore office preparations, including staff training and equipment, for office-based procedures

2:45 pm – 3:15

Break with Exhibitors

3:15 pm – 4:00 pm

Management of the complex polyp patient

- To discuss the current medical management for CRS with polyposis
- To discuss the surgical options for CRS with polyposis
- To discuss the variety of topical medications for the treatment of CRS with polyposis

4:00 pm – 5:00 pm

Biologics for nasal polyposis-ENT's practical guide to use in sinusitis with polyposis

- Review potential indications for on-the-market and actively researched biologic therapies for CRSwNP
- Consider patient selection, cost, convenience, and other factors in biologic administration for CRSwNP
- Consider nuances of multi-disciplinary treatment for CRSwNP with biologic therapies

7:00 pm – 9:00 pm

Signature Reception

Moderator/Speaker

Paul Pottinger, MD, FACP, FIDSA

Professor of Medicine, Division of Allergy & Infectious Diseases
Director, Infectious Diseases Training Program
Co-Director, UWMC Antimicrobial Stewardship Program
Head, UWMC General ID Section
Director, UWMC Tropical Medicine & Infectious Diseases Clinic
University of Washington Medical Center

Troy Woodard, MD, FARS

Rodney Schlosser, MD, FARS

Sarah Wise, MD, FARS

Panelists

Martin Citardi MD, FARS
Marc Dubin, MD, FARS
Spencer Payne, MD, FARS

Stacey Gray, MD, FARS
Donald Lanza, MD, FARS
Erin O'Brien, MD, FARS
Justin Turner, MD, FARS

Cecelia Damask, DO
Charles Ebert, Jr., MD, FARS
Jivianne Lee, MD
Lauren Roland, MD
Kevin Welch, MD, FARS



PROGRAM AT-A-GLANCE

SATURDAY, JULY 24, 2021 | Waller Ballroom A - D

Time/Topic	Moderator/Speaker	Panelists
7:00 am – 8:00 am Breakfast with Exhibitors		
8:00 am – 8:45 am The chronically infected sinus <ul style="list-style-type: none"> • Understand patient factors that lead to chronic sinus infections • Learn surgical approaches to treat the chronically infected sinus • Appreciate novel medical therapies targeting chronic sinus infections 	Zara Patel, MD, FARS	Philip Chen, MD, FARS Angela Donaldson, MD, FARS Devyani Lal, MD, FARS James Stankiewicz, MD, FARS
8:45 am – 9:30 am Why is my sinus patient coughing?: A common sense approach <ul style="list-style-type: none"> • Learn the proper evaluation of a patient with chronic cough • Discuss medical options for treating chronic cough • Know when and what other specialties to involve when treating chronic cough 	Do-Yeon Cho, MD	Ronda Alexander, MD Kent Lam, MD, FARS Joshua Levy, MD, FARS
9:30 am – 10:15 am New technologies and treatments for nasal obstruction and rhinitis <ul style="list-style-type: none"> • Understand what new treatments are available for treating nasal obstruction and rhinitis • Learn optimal methods for anesthetizing the nose • Appreciate co-morbid conditions to evaluate for when considering treating rhinitis 	Michael Sillers, MD, FARS	Robert Bridge, MD, FARS Esther Kim, MD David Yen, MD
10:15 am – 10:45 am Break with Exhibitors		
10:45 am – 11:30 am Cadaver Dissection #2: Frontal and revision surgery techniques <ul style="list-style-type: none"> • Learn instrumentation for frontal sinus surgery • Understand how the anatomy drives the surgical decision plan for frontal sinus disease • Observe expert surgeon perform frontal sinus surgery 	Ashleigh Halderman, MD, FARS Moderator	Erin O'Brien, MD, FARS Dissecting
11:30 am – 12:15 pm Complex inflammatory sinusitis cases: Lessons from the Masters: Case presentations <ul style="list-style-type: none"> • Appreciate the medical treatment options for challenging inflammatory sinus disease • Learn a thorough evaluation for inflammatory sinus disease • Know the surgical options for recalcitrant inflammatory sinus disease 	Brent Senior, MD, FARS <i>Presenters:</i> Mark Arnold, MD Cristine Klatt-Cromwell, MD Chadi Makary, MD, FARS Todd Spock, MD	Adam Folbe, MD, FARS David Kennedy, MD, FARS David Poetker, MD, FARS Michael Stewart, MD, FARS
12:15 pm – 5:00 pm Industry Satellite Symposia Events		

PROGRAM AT-A-GLANCE

SATURDAY, JULY 24, 2021 | Allergy Session | Waller Ballroom EF

Time/Topic	Moderator/Speaker	Panelists
7:00 am – 8:00 am Breakfast with Exhibitors		
8:00 am – 8:45 am Allergy and immunology: Why is this important? <ul style="list-style-type: none">• Review the definition, classification, prevalence, and socioeconomic impact of allergic rhinitis• Understand sensitization vs. clinical allergy• Review the immunology of allergic rhinitis and allergen immunotherapy		Christine Franzese, MD, FARS Stephanie Joe, MD, FARS Kent Lam, MD, FARS Michael Platt, MD
8:45 am – 9:30 am Diagnosing allergy in the otolaryngologist's office: A shifting paradigm? <ul style="list-style-type: none">• Consider the classic presentation of allergic rhinitis – signs and symptoms• Delineate nasal endoscopic findings that may be indicative of an allergic process• Discuss radiologic findings typical of allergy-associated chronic rhinosinusitis		Whit Mims, MD Sarah Wise, MD, FARS
9:30 am – 10:15 am Medical therapy for allergic rhinitis: Understanding mechanisms and evidence while targeting symptoms <ul style="list-style-type: none">• Consider various pharmacotherapy options for allergic rhinitis• Discuss the mechanisms behind these medications• Consider the available evidence for allergic rhinitis pharmacologic therapies		Amber Luong, MD, PhD, FARS Murray Ramanathan, MD, FARS Douglas Reh, MD, FARS
10:15 am – 10:45 am Break with Exhibitors		
10:45 am – 11:30 am Allergy testing: Simple techniques for practical applications <ul style="list-style-type: none">• Review techniques for allergy skin testing for aeroallergen sensitivity, with primary emphasis on skin prick testing• Review techniques for in vitro serum testing for aeroallergen sensitivity• Consider patient selection for different allergy testing modalities		Joshua Levy, MD, FARS Sandra Lin, MD, FARS Matthew Ryan, MD, FARS
11:30 am – 12:15 pm Case-based panel: Putting it all together Utilize a case-based approach to review the concepts of: <ul style="list-style-type: none">• Allergic rhinitis diagnosis• Pharmacotherapy for allergic rhinitis• Allergy testing	Cecelia Damask, DO	Christine Franzese, MD, FARS Jean Kim, MD, FARS Whit Mims, MD Maria Veling, MD
12:15 pm – 5:00 pm Industry Satellite Symposia		

PROGRAM AT-A-GLANCE

SUNDAY, JULY 25, 2021 | Breakout 1 | Waller Ballroom AB

Time/Topic	Moderator/Speaker	Panelists
7:00 am – 8:00 am Breakfast with Exhibitors		
8:00 am – 8:45 am Primary sinus surgery recorded cases A discussion of recorded primary sinus surgery with the objective: <ul style="list-style-type: none"> • Explain surgical techniques to maximize outcomes • To understand how to avoid common surgical mistakes • Discuss tips for successful primary sinus surgery 	Raj Sindwani, MD, FARS Christopher Roxbury, MD, FARS	
8:45 am – 9:30 am Complex frontal and revision FESS recorded cases A discussion of recorded revisions and frontal sinus surgery with the objective: <ul style="list-style-type: none"> • Demonstrate the appropriate surgical techniques in revision surgery of the paranasal sinuses • Explain multiple approaches to complex frontal sinus pathology including various Draf drillout procedures • Evaluate patients with recalcitrant CRS and formulate a treatment strategy 	Nithin Adappa, MD, FARS Tran Locke, MD	
9:30 am – 10:15 am Orbital surgery/DCR/Benign tumor excision recorded cases A discussion of recorded endoscopic surgery for orbital and benign tumor pathologies with the objective: <ul style="list-style-type: none"> • Understand safe and effective techniques for endoscopic DCR and dissection around the orbit • Describe surgical techniques for the endoscopic resection of benign sinonasal tumors • Explain the anatomic and pathologic indications and contraindications for the endoscopic resection of benign sinonasal and orbital tumors 	Benjamin Bleier, MD, FARS Edward El Rassi, MD David Gudis, MD, FARS	
10:15 am – 10:45 am Break with Exhibitors		
10:45 am – 11:30 am Cadaver Dissection #3: Skull base approach, nasoseptal flap, optic nerve decompression, CSF leak repair <ul style="list-style-type: none"> • Learn surgical techniques for skull base surgery • Understand key anatomic landmarks for orbit and optic nerve surgery • Appreciate new materials and techniques used for CSF leak repair 	Pete Batra, MD, FARS Moderator	Jean Anderson Eloy, MD, FARS Dissecting
11:30 am – 12:15 pm Skull base cases: Ask the experts: Case presentations <ul style="list-style-type: none"> • Understand novel surgical methods to treat skull base tumors • Develop techniques to better utilize computed tomography and magnetic resonance imaging to diagnosis skull base tumors • Identify new methods to reconstruct skull base defects based on tumor size and location 	Jeffrey Suh, MD Presenters: Stephen Hernandez, MD Vijay Patel, MD Matthew Tyler, MD	Ashleigh Halderman, MD, FARS Bobby Tajudeen, MD, FARS Eric Wang, MD, FARS Bradford Woodworth, MD, FARS
12:15 pm Meeting Adjourns		

PROGRAM AT-A-GLANCE

SUNDAY, JULY 25, 2021 | Breakout 2 | Waller Ballroom C

Time/Topic	Moderator/Speaker	Panelists
7:00 am – 8:00 am Breakfast with Exhibitors		
8:00 am – 8:45 am Eustachian tube balloons. How, when, and where? <ul style="list-style-type: none"> List available devices and discuss advantages for each Demonstrate eustachian tube dilation technique Illustrate traditional and best practice cases of balloon use 	Martin Citardi, MD, FARS	Elisa Illing, MD, FARS Jonathan Liang, MD, FARS Douglas Reh, MD, FARS Toby Steele, MD Arthur Wu, MD, FARS
8:45 am – 9:30 am ENT's guide to managing "sinus headache" and facial pain <ul style="list-style-type: none"> List the differential diagnosis of "sinus" headaches Distinguish rhinogenic causes from neurogenic sinus headaches using clinical cues Incorporate a clinical algorithm into practice to address rhinogenic and primary headache disorders 	Kevin Welch, MD, FARS	Christopher Ito, MD Ashutosh Kacker, MD Jamie Litvack, MD, FARS Mark Mehle, MD Marilene Wang, MD, FARS
9:30 am – 10:15 am Hands on approach to topical therapies for chronic rhinosinusitis <ul style="list-style-type: none"> Understand the topical options for biofilms and sinus infections Appreciate the importance of topical therapy for controlling inflammation Discuss emerging "traditional and non-traditional" topical therapies 	Carlos Ebert, Jr., MD, FARS	H. Peter Doble, MD, FARS Rohit Garg, MD, FARS Jean Kim, MD, FARS Cristine Klatt-Cromwell, MD Scott Stringer, MD, FARS
10:15 am – 10:45 am Break with Exhibitors		
10:45 am – 11:30 am Improving outcomes in endoscopic DCR and orbital decompression <ul style="list-style-type: none"> To review the pre-operative assessment and management of patients with epiphora and orbitopathy To review operative techniques for endoscopic DCR and orbital decompression To review the post-operative management of patients undergoing endoscopic DCR and orbital decompression 	Rakesh Chandra, MD, FARS	Anthony Del Signore, MD Corinna Levine, MD, FARS Luis Fernando Macias-Valle, MD, FARS Sanjeet Rangarajan, MD, FARS Janalee Stokken, MD, FARS
11:30 am – 12:15 pm Management of epistaxis in 2021 <ul style="list-style-type: none"> Apply modern algorithms in the care of epistaxis Evaluate pros and cons of various management options Manage unique clinical scenarios, including postsurgical epistaxis and the anticoagulated patient 	Murugappan Ramanathan, MD, FARS	Naveen Bhandarkar, MD, FARS Akaber Halwai MD Stephanie Joe, MD, FARS
12:15 pm Meeting adjourns		

PROGRAM AT-A-GLANCE

SUNDAY, JULY 25, 2021 | Breakout 3 | Waller Ballroom D

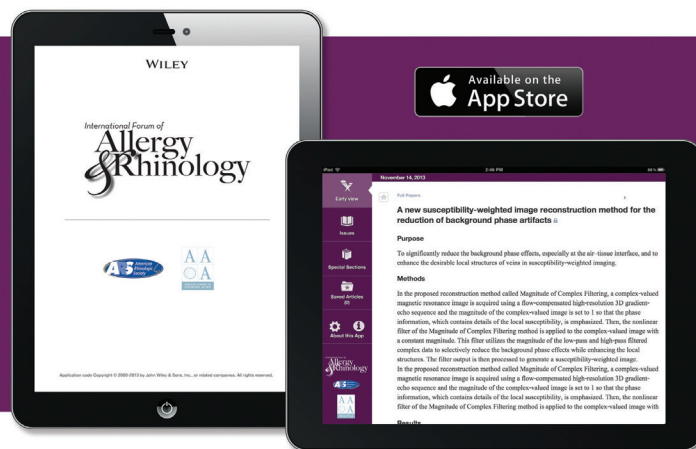
Time/Topic	Moderator/Speaker	Panelists
7:00 am – 8:00 am Breakfast with Exhibitors		
8:00 am – 8:45 am Pediatric nasal obstruction and rhinorrhea: Workup and management <ul style="list-style-type: none"> • Appreciate the differences between pediatric and adult nasal obstruction evaluation • Learn the medical options for treating pediatric nasal obstruction and rhinorrhea • Acquire the techniques for surgical management of pediatric nasal obstruction 	David Gudis, MD, FARS	Ralph Abi Hachem, MD David Clark, MD, FARS Dana Crosby, MD, FARS Randall Ow, MD, FARS Horatio Ramos, MD
8:45 am – 9:30 am How sinusitis endotypes affect clinical management <ul style="list-style-type: none"> • Know the proper evaluation for determining endotypes of chronic sinusitis • Illustrate clinical application of endotypes • Review concept of endotype versus phenotype 	Amber Luong, MD, PhD, FARS	Subinoy Das, MD, FARS Christopher Roxbury, MD, FARS Eric Succar, MD
9:30 am – 10:15 am What is “appropriate” medical therapy before surgery in 2021: Avoiding the “peer to peer” <ul style="list-style-type: none"> • Learn the state of the art and comprehensive medical management of treating chronic sinusitis • Understand the nuances of pre-op requirements for various insurance payors • Know what to do when asked to do a peer to peer and how to stay calm 	Elina Toskala, MD, FARS	John Craig, MD, FARS Scott Graham, MD, FARS W. Derek Leight, MD, FARS Brian Lobo, MD Marina Suurna, MD
10:15 am – 10:45 am Break with Exhibitors		
10:45 am – 11:30 am In office CT imaging and rhinology ancillary services: Headache or useful tools? <ul style="list-style-type: none"> • Learn about safety requirements for in-office CT scanners • Understand the business and logistic aspects of in-office CT scanner • Discuss the benefits or challenges of outsourcing formal reports 	Winston Vaughan, MD, FARS	Nadeem Akbar, MD Carlos Ebert, Jr., MD, FARS Li-Xing Man, MD Paul Russell, III, MD, FARS
11:30 am – 12:15 pm Update in rhinology coding: Work smarter not harder <ul style="list-style-type: none"> • Understand the challenges of creating new CPT codes • Learn the new codes in rhinology impacting 2021 and 2022 • Discuss the future of skull base coding and advanced sinus surgery coding 	R. Peter Manes, MD, FARS	Brian D’Anza, MD Joseph Raviv, MD Kenneth Rodriguez, MD Michael Setzen, MD, FARS Alla Solyar, MD, FARS
12:15 pm Meeting Adjourns		

PROGRAM AT-A-GLANCE

SUNDAY, JULY 25, 2021 | Breakout 4 | Waller Ballroom EF

Time/Topic	Moderator/Speaker	Panelists
7:00 am – 8:00 am Breakfast with Exhibitors		
8:00 am – 8:45 am Choosing antigens wisely <ul style="list-style-type: none">• Review the most common classes of aeroallergens• Understand the concept of allergen cross-reactivity• Discuss the benefits and downsides of single/few/multi-allergen testing and immunotherapy		Lauren Roland, MD Maria Veling, MD
8:45 am – 9:30 am Allergen immunotherapy: Translating testing into treatment <ul style="list-style-type: none">• Discuss vial preparation for subcutaneous immunotherapy• Discuss vial preparation for aqueous sublingual immunotherapy• Discuss tablet sublingual immunotherapy• Consider future options for immunotherapy administration		Joshua Levy, MD, FARS Michael Parker, MD Michael Platt, MD
9:30 am – 10:15 am Unified airway in the rhinology practice <ul style="list-style-type: none">• Define the unified airway concept• Discuss the unified airway as it relates to allergy and chronic rhinosinusitis• Provide case examples of unified airway pathology		Amber Luong, MD, PhD, FARS Matthew Ryan, MD, FARS
10:15 am – 10:45 am Break with Exhibitors		
10:45 am – 11:30 am Add-on therapy, monoclonal antibodies...it's all biologics these days! <ul style="list-style-type: none">• Review potential indications for biologic therapies in the allergy/rhinology practice• Discuss the practicalities of biologic administration• Utilize case examples to demonstrate patient selection for biologic therapies		Cecelia Damask, DO Christine Franzese, MD, FARS Joseph Han, MD, FARS
11:30 am – 12:15 pm Case-based panel: From routine to emergencies <ul style="list-style-type: none">• Utilize a case-based approach to review the concepts of:<ul style="list-style-type: none">• Allergen immunotherapy• Unified airway• Emergencies in the allergy practice	Michael Platt, MD	Kent Lam, MD, FARS Sandra Lin, MD, FARS Michael Parker, MD Maria Veling, MD
12:15 pm Meeting Adjourns		

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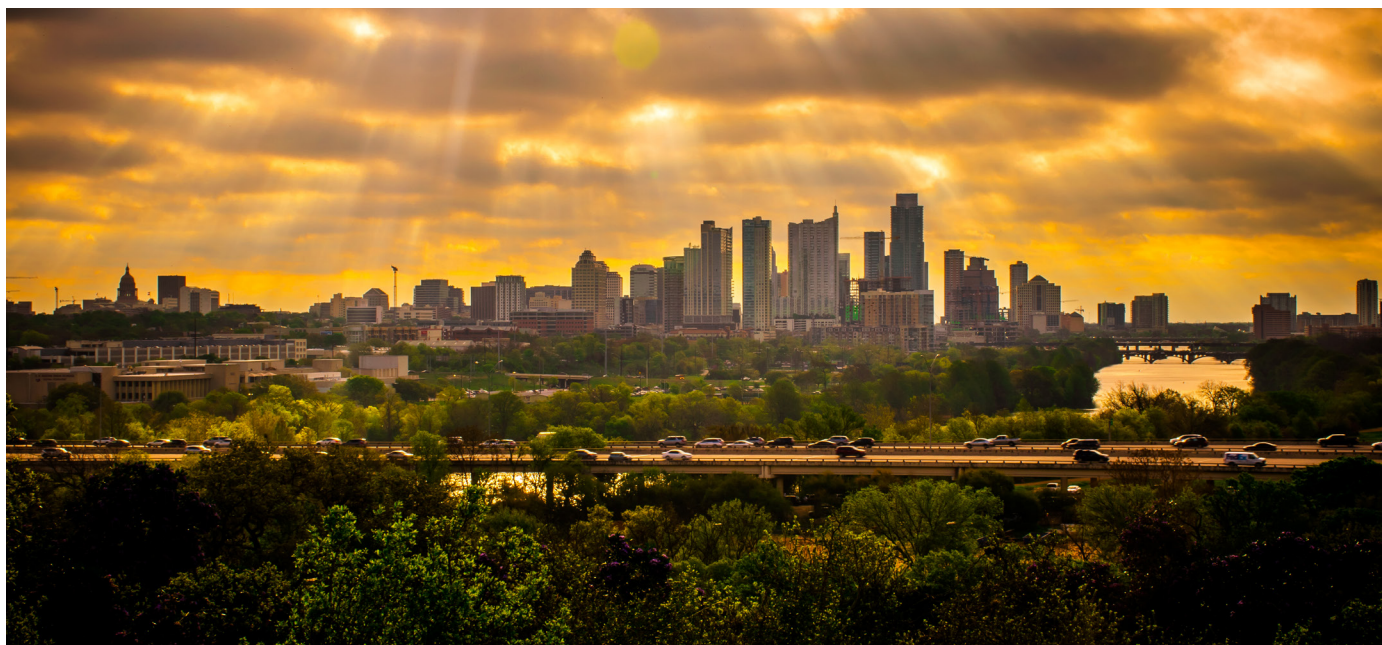
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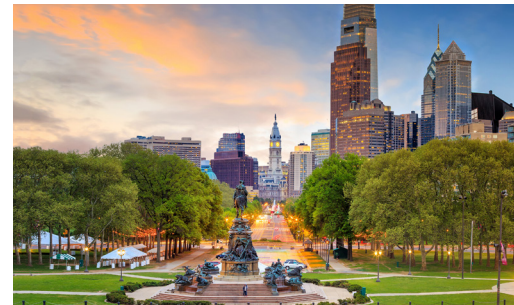
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