

# PROGRAM AT A GLANCE

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

## FRIDAY, JULY 23, 2021 | Waller Ballroom

Time/Topic	Moderator/Speaker	Panelists
7:45 am - 8:00 am <b>Welcome</b>	Greg Davis, MD, FARS Marc Dubin, MD, FARS Douglas Reh, MD, FARS	
8:00 am – 8:45 am <b>Primary sinus surgery: Pearls for success</b> <ul style="list-style-type: none"> <li>To understand evidence surrounding extent of primary sinus surgery for CRS</li> <li>To understand impact of timing upon surgical outcomes for CRS</li> <li>To understand how septoplasty and turbinate reduction impact ESS outcomes.</li> </ul>	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 <b>Primary frontal sinus surgery made simple</b> <ul style="list-style-type: none"> <li>Audience will understand the indications for frontal sinus surgery And the impact of technology on those indications</li> <li>Audience will explore the potential benefits and pitfalls of extended Frontal sinus surgery</li> <li>Audience will be able to manage complications from frontal sinus surgery</li> </ul>	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 <b>Revision sinus surgery: Next Steps</b> <ul style="list-style-type: none"> <li>Evaluate patients with recalcitrant CRS and formulate a treatment Strategy</li> <li>Differentiate between the different surgical options available to Maintain sinus patency</li> <li>Demonstrate the appropriate surgical techniques in revision surgery of the paranasal sinuses</li> </ul>	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 <b>Break with Exhibitors</b>		
10:45 am -11:30 am <b>Cadaver Dissection #1: Successful primary sinus surgery</b> <ul style="list-style-type: none"> <li>To develop a systematic preoperative evaluation of a sinus CT scan</li> <li>To understand the basic principles of endoscopic sinus surgery</li> <li>To be able to choose the correct instrumentation to achieve your Surgical goals in ESS</li> </ul>	Martin Citardi, MD, FARS Moderator	Winston Vaughan, MD, FARS Dissecting
11:30 am – 12:15 pm <b>Complications and their management</b> <ul style="list-style-type: none"> <li>To develop strategies for complication avoidance in endoscopic sinus surgery</li> <li>To describe best practices for management of common complications</li> <li>To discuss common anatomical variants that may predispose a patient to complications</li> </ul>	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 <b>Lunch with Exhibitors</b>		

# ARS 10th Annual Summer Sinus Symposium

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**

**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

Martin Citardi MD, FARS

Marc Dubin, MD, FARS

Spencer Payne, MD, FARS

Rodney Schlosser, MD, FARS

Stacey Gray, MD, FARS

Donald Lanza, MD, FARS

Erin O'Brien, MD, FARS

Justin Turner, MD, FARS

Sarah Wise, MD, FARS

Cecelia Damask, DO

Charles Ebert, Jr., MD, FARS

Jivianne Lee, MD

Lauren Roland, MD

Kevin Welch, MD, FARS

# ARS 10th Annual Summer Sinus Symposium

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

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

# ARS 10th Annual Summer Sinus Symposium

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

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

# ARS 10th Annual Summer Sinus Symposium

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

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

# ARS 10th Annual Summer Sinus Symposium

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

Time/Topic	Moderator/Speaker	Panelists
7:00 am – 8:00 am <b>Breakfast with Exhibitors</b>		
8:00 am – 8:45 am <b>Eustachian tube balloons. How, when, and where?</b> <ul style="list-style-type: none"><li>List available devices and discuss advantages for each</li><li>Demonstrate eustachian tube dilation technique</li><li>Illustrate traditional and best practice cases of balloon use</li></ul>	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 <b>ENT's guide to managing "sinus headache" and facial pain</b> <ul style="list-style-type: none"><li>List the differential diagnosis of "sinus" headaches</li><li>Distinguish rhinogenic causes from neurogenic sinus headaches using clinical cues</li><li>Incorporate a clinical algorithm into practice to address rhinogenic and primary headache disorders</li></ul>	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 <b>Hands on approach to topical therapies for chronic rhinosinusitis</b> <ul style="list-style-type: none"><li>Understand the topical options for biofilms and sinus infections</li><li>Appreciate the importance of topical therapy for controlling inflammation</li><li>Discuss emerging "traditional and non-traditional" topical therapies</li></ul>	Carlos Ebert, Jr., MD, FARS	H. Peter Doble, MD, FARS Rohit Garg, MD, FARS Jean Kim, MD, FARS Kristine Klatt-Cromwell, MD Scott Stringer, MD, FARS
10:15 am – 10:45 am <b>Break with Exhibitors</b>		
10:45 am – 11:30 am <b>Improving outcomes in endoscopic DCR and orbital decompression</b> <ul style="list-style-type: none"><li>To review the pre-operative assessment and management of patients with epiphora and orbitopathy</li><li>To review operative techniques for endoscopic DCR and orbital decompression</li><li>To review the post-operative management of patients undergoing endoscopic DCR and orbital decompression</li></ul>	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 <b>Management of epistaxis in 2021</b> <ul style="list-style-type: none"><li>Apply modern algorithms in the care of epistaxis</li><li>Evaluate pros and cons of various management options</li><li>Manage unique clinical scenarios, including postsurgical epistaxis and the anticoagulated patient</li></ul>	Murugappan Ramanathan, MD, FARS	Naveen Bhandarkar, MD, FARS Akaber Halwai MD Stephanie Joe, MD, FARS
12:15 pm <b>Meeting adjourns</b>		

# ARS 10th Annual Summer Sinus Symposium

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

Time/Topic	Moderator/Speaker	Panelists
7:00 am – 8:00 am <b>Breakfast with Exhibitors</b>		
8:00 am – 8:45 am <b>Pediatric nasal obstruction and rhinorrhea: Workup and management</b> <ul style="list-style-type: none"> <li>• Appreciate the differences between pediatric and adult nasal obstruction evaluation</li> <li>• Learn the medical options for treating pediatric nasal obstruction and rhinorrhea</li> <li>• Acquire the techniques for surgical management of pediatric nasal obstruction</li> </ul>	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 <b>How sinusitis endotypes affect clinical management</b> <ul style="list-style-type: none"> <li>• Know the proper evaluation for determining endotypes of chronic sinusitis</li> <li>• Illustrate clinical application of endotypes</li> <li>• Review concept of endotype versus phenotype</li> </ul>	Amber Luong, MD, PhD, FARS	Subinoy Das, MD, FARS Christopher Roxbury, MD, FARS Eric Succar, MD
9:30 am – 10:15 am <b>What is “appropriate” medical therapy before surgery in 2021: Avoiding the “peer to peer”</b> <ul style="list-style-type: none"> <li>• Learn the state of the art and comprehensive medical management of treating chronic sinusitis</li> <li>• Understand the nuances of pre-op requirements for various insurance payors</li> <li>• Know what to do when asked to do a peer to peer and how to stay calm</li> </ul>	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 <b>Break with Exhibitors</b>		
10:45 am – 11:30 am <b>In office CT imaging and rhinology ancillary services: Headache or useful tools?</b> <ul style="list-style-type: none"> <li>• Learn about safety requirements for in-office CT scanners</li> <li>• Understand the business and logistic aspects of in-office CT scanner</li> <li>• Discuss the benefits or challenges of outsourcing formal reports</li> </ul>	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 <b>Update in rhinology coding: Work smarter not harder</b> <ul style="list-style-type: none"> <li>• Understand the challenges of creating new CPT codes</li> <li>• Learn the new codes in rhinology impacting 2021 and 2022</li> <li>• Discuss the future of skull base coding and advanced sinus surgery coding</li> </ul>	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 <b>Meeting Adjourns</b>		

# ARS 10th Annual Summer Sinus Symposium

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

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