



July 10-12, 2025  
Manchester Grand Hyatt  
San Diego, CA



14th Annual ARS Summer Sinus Symposium

**PROGRAM AT A GLANCE**

# ARS 14th Annual Summer Sinus Symposium

## Thursday, July 10, 2025

4:00 pm - 7:00 pm  
Industry Dissection Lab – Grand Hall D

5:00 pm – 7:00 pm  
Faculty Reception in Bayview

## Friday, July 11, 2025

### General Session

### Grand Hall B

7:45 am – 5:30 pm

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
7:00 am – 7:45 <b>Breakfast with Exhibitors in Grand Hall A</b>		
7:45 am – 8:00 am <b>Welcome</b>	Naveen Bhandarkar, MD Rohit Garg, MD, FARS Stella Lee, MD Justin Turner, MD, FARS Troy Woodard, MD, FARS	
8:00 am – 8:45 am <b>Practice Evolution: Transformative Insights to Elevate Your Practice</b> <ul style="list-style-type: none"><li>Identify the major advancements in clinical care, technology, and patient management that have influenced practice evolution over the past five years</li><li>Discuss emerging tools, techniques, and approaches that have become integral to optimizing patient outcomes</li><li>Explore the latest research, evidence, and practical aspects of how the evolution of surgical tools, instruments, and techniques have enhanced your practice</li><li>Engage in interactive discussion on how these advancements in addressing refractory sinus disease and improving quality of life</li></ul>	Brent Senior, MD, FARS	Roy Casiano, MD, FARS David Kennedy, MD, FARS Eugenia Vining, MD Kevin Welch, MD, FARS
8:45am - 09:30 am <b>The Best of Both Worlds: Practical Strategies for Procedures in Office and OR Settings</b> <ul style="list-style-type: none"><li>Provide advanced anesthesia strategies in office-based and OR settings and compare local anesthesia techniques</li><li>Participate in real-world case scenarios to practice selecting the appropriate setting, anesthesia, and techniques for rhinitis, septoplasty, turbinate reduction, sinus procedures</li><li>Identify and manage common complications specific to each setting, such as bleeding, infection, or suboptimal symptom relief</li><li>Discuss ways to optimize your practice's setup and workflow for a seamless transition between in-office and OR environments</li></ul>	Greg Davis, MD, FARS	John Del Gaudio, MD, FARS Kent Lam, MD, FARS Tran Locke, MD, FARS Arthur Wu, MD, FARS
9:30 am -10:15 am <b>When Things Go Wrong: Managing Sinus Surgery Complications</b> <ul style="list-style-type: none"><li>Learn evidence-based strategies to minimize risks during sinus surgery, including proper surgical planning, anatomical assessment, and intraoperative techniques</li><li>Gain proficiency in managing complications as they arise during surgery, such as hemostasis for bleeding, repair of mucosal injuries, and response to orbital or cranial complications</li><li>Participate in case-based discussions featuring challenging sinus surgery complications, with a focus on decision-making and problem-solving</li><li>Learn how to document complications and manage medicolegal risks effectively</li></ul>	James Palmer, MD, FARS	Ralph Abi Hachem, MD Pete Batra, MD, FARS Angela Donaldson, MD, FARS Murugappan Ramanathan, MD, FARS

# ARS 14th Annual Summer Sinus Symposium

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
10:15 - 10:45 <b>Break with Exhibitors in Grand Hall A</b>		
10:45 am - 11:30 am <b>Unlocking the Controversies: Critical Questions and Debates on Utilization of Biologics</b>	Amber Luong, MD, PhD, FARS	Rakesh Chandra, MD, FARS Cecelia Damask, DO Joseph Han, MD, FARS
<ul style="list-style-type: none"> <li>• Compare biologics to traditional therapies like nasal corticosteroids and surgery in terms of effectiveness and patient outcomes</li> <li>• Debate the appropriateness of biologics in the perioperative period</li> <li>• Determine the aspects of who is best suited to be prescribing biologics</li> <li>• Examine patient selection criteria for biologic therapy and the challenges of personalized medicine in CRS treatment</li> </ul>		
11:30 am - 12:15 pm <b>Keynote Lecture: AI in the Future of Medicine</b>	David Danks, MD Professor of Data Science, Philosophy, & Policy Chair, Faculty Council, HDSI University of California, San Diego	
12:15 pm - 1:15 am <b>Industry Lunch Symposium</b>		
12:15 pm - 1:15 pm <b>Lunch with Exhibitors in Grand Hall A</b>		
1:15 pm - 2:00 pm <b>Refractory Sinusitis: The Next Steps in Challenging Cases</b>	David Conley, MD, FARS	John Craig, MD, FARS Corinna Levine, MD, FARS David Liu, MD Bradford Woodworth, MD, FARS
<ul style="list-style-type: none"> <li>• Analyze complex, real-world case studies to determine appropriate diagnostic work-ups and management strategies</li> <li>• Explore options in surgical intervention escalation versus medical therapy, including biologics and immunotherapy</li> <li>• Use interactive case scenarios to differentiate between different types of refractory sinusitis</li> <li>• Discuss the role of patient comorbidities e.g., asthma, allergy, immunodeficiency) in Modifying treatment strategies for refractory sinusitis</li> </ul>		
2:00 pm - 2:45 pm <b>Mastering Rhinologic Procedures: Technical Pearls for In-Office and OR Techniques</b>	Douglas Reh, MD, FARS Moderator	Leah Hauser, MD Dissector
<ul style="list-style-type: none"> <li>• Demonstrate applications of new in-office/OR procedures for nasal obstruction, rhinitis, and chronic rhinosinusitis</li> <li>• Explain the technique, patient selection, and step-by-step procedure for performing these procedures</li> <li>• Identify, manage, and prevent potential complications related to new technologies for in-office/OR procedures</li> <li>• Discuss the benefits, limitations, and evidence supporting these new technological procedures and ways to optimize outcome</li> </ul>		
2:45 pm - 3:15 pm <b>Break with Exhibitors in Grand Hall A</b>		
3:15 pm - 4:00 pm <b>Cough Chronicles: A Deep Dive into Difficult Postnasal Challenges</b>	Michael Benninger, MD, FARS	John Succar, MD
<ul style="list-style-type: none"> <li>• Master diagnostic approaches to chronic cough, review typical/atypical etiologies and diagnostic tools</li> <li>• Discuss the mechanisms of cough reflex hypersensitivity and its triggers in the upper airway</li> <li>• Explore evidence-based management strategies for postnasal drainage-related cough</li> <li>• Explore the role of superior laryngeal nerve injections for cough suppression in cases of cough reflex hypersensitivity</li> </ul>		

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<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
4:00 pm - 4:45 pm <b>Navigating the Frontal Frontier: Cutting-Edge Surgical Techniques</b> <ul style="list-style-type: none"><li>• Provide technical pearls in performing advanced procedures for refractory frontal sinus disease</li><li>• Review demonstrations of mucosal flap creation, stent placement, and challenging frontal sinus dissections</li><li>• Recognize common complications, such as restenosis or infection, and learn how to address them effectively</li><li>• Discuss the indications, types, and placement techniques of stents for maintaining frontal sinus patency in challenging cases</li></ul>	Jivianne Lee, MD, FARS	Thomas Higgins, MD, FARS Erin O'Brien, MD, FARS Spencer Payne, MD, FARS Kornkiat Snidvongs, MD, PhD
4:45 pm - 5:30 pm <b>Beyond the Basics: Advanced Techniques for Nasal Obstruction</b> <ul style="list-style-type: none"><li>• Discuss the impact of various structural abnormalities (such as caudal (in database) septal deviations, nasal valve collapse, and other anatomic variations) on nasal obstruction</li><li>• Provide strategies for addressing caudal septal deviations</li><li>• Identify appropriate candidates for functional septorhinoplasty for complex nasal obstruction</li><li>• Practice diagnostic and surgical planning for real-world scenarios, including when and how to escalate to advanced techniques like septorhinoplasty</li></ul>	Jay Dutton, MD, FARS	Khalid Ali, MBChB, MD Tae-Bin Won, MD Michael Yim, MD
5:30 pm - 6:30 pm <b>Industry Thank You Event in Grand Hall A</b>		
6:30 pm - 9:00 pm <b>Signature Event – 4<sup>th</sup> Floor Pool Deck</b>		

## Friday, July 11, 2025 New and Emerging Topics - Breakout Room Grand Hall D 1:15 pm - 5:30 pm

12:15 pm - 1:15 am  
**Industry Lunch Symposium**

12:15 pm - 1:15 pm  
**Lunch with Exhibitors in Grand Hall A**

1:15 pm - 2:00 pm <b>Rhinology Shark Tank: Big Ideas, Big Impact</b> <ul style="list-style-type: none"><li>• Learn to critically assess research ideas based on feasibility, innovation and potential clinical or scientific impact</li><li>• Participate in interactive discussions where peers and experts provide feedback on proposed research ideas</li><li>• Recognize how working with cross-disciplinary teams, including engineers, statisticians, and industry experts, can enhance research outcomes</li><li>• Encourage participants to think creatively about solving complex problems in rhinology</li></ul>	Carol Yan, MD	Donald Gonzales, MD Peter Hwang, MD, FARS Enrique Iturriaga, MD
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# ARS 14th Annual Summer Sinus Symposium

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
2:00 pm - 2:45 pm <b>The AI Revolution in Rhinology: Transforming Practice Today and Tomorrow</b> <ul style="list-style-type: none"><li>• Discuss how AI algorithms analyze clinical data and imaging to support decision-making in rhinologic practice</li><li>• Evaluate case studies where AI has been effectively integrated into rhinologic care for improved accuracy and efficiency</li><li>• Understand challenges such as data quality, algorithm bias, and the ethical considerations of AI implementation in clinical settings</li><li>• Discuss best practices for integrating AI tools into clinical practice, including team training and patient education</li></ul>	Bobby Tajudeen, MD, FARS	Zara Patel, MD, FARS Sanjeet Rangarajan, MD, FARS Kenneth Rodriguez, MD Masayoshi Takashima, MD, FARS
2:45 pm – 3:15 pm <b>Break with Exhibitors in Grand Hall A</b>		
3:15 pm – 4:00 pm <b>From Exam Room to Zoom: Best Practices in Telemedicine Rhinology</b> <ul style="list-style-type: none"><li>• Review case studies highlighting both successful and problematic telemedicine consultations to understand its impact on patient outcomes</li><li>• Discuss how telemedicine can integrate with traditional in-office visits to optimize patient outcomes</li><li>• Discuss technological solutions to enhance telemedicine capabilities, such as patient-operated endoscopic devices and AI-supported assessments</li><li>• Learn how to blend telemedicine and in-person visits effectively to enhance care delivery without compromising diagnostic accuracy</li></ul>	Brian Lobo, MD, FARS	Alexander Farag, MD, FARS Mamie Higgins, MD Christopher Roxbury, MD, FARS Michael Setzen, MD, FARS
4:00 pm - 4:45 pm <b>The Sinus Microbiome: A New Era for CRS and Targeted Therapies</b> <ul style="list-style-type: none"><li>• Learn how next-generation sequencing is used to understand microbial perturbations and infections in patients with chronic sinus infections</li><li>• Discuss emerging therapies targeting the nasal microbiome, including probiotics, topical antibiotics, and bacteriotherapy</li><li>• Discuss clinical applications and limitations in tailoring personalized microbiome-based therapies</li><li>• Explore potential long-term consequences, including antibiotic resistance, unintended microbial imbalances and safety concerns</li></ul>	Yvonne Chan, MD, FARS	Omar Ahmed, MD, FARS Do-Yeon Cho, MD John Craig, MD, FARS
4:45 pm - 5:30 pm <b>The Science of Scent: Practical Insights in Olfactory Dysfunction and the Evidence for Novel Treatments</b> <ul style="list-style-type: none"><li>• Understand the advantages and limitations of different testing modalities and how to choose the appropriate test for specific clinical scenarios</li><li>• Discuss the key components of a smell clinic, including equipment, staffing, and patient flow optimization</li><li>• Discuss the potential risks, benefits, and limitations of platelet-rich plasma in treating olfactory dysfunction</li><li>• Understand how innovations in smell science are shaping the future of patient care and therapeutic interventions</li></ul>	Andrew Lane, MD, FARS	Do-Yeon Cho, MD Li-Xing Man, MD, FARS Sonya Marcus, MD Osarenoma Olomu, MD, FARS
5:30 pm - 6:30 pm <b>Industry Thank You Event in Grand Hall A</b>		
6:30 pm - 9:00 pm <b>Signature Event – 4<sup>th</sup> Floor Pool Deck</b>		

# ARS 14th Annual Summer Sinus Symposium

Saturday, July 12, 2025

General Session Rhinology

Grand Hall B

8:00 am – 5:30 pm

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
7:00 am - 8:00 am <b>Industry Breakfast Symposia</b>		
7:00 am - 8:00 am <b>Breakfast with Exhibitors in Grand Hall A</b>		
8:00 am - 8:45 am <b>Interactive Case Studies at the Intersection of Sleep Medicine and Rhinology</b> <ul style="list-style-type: none"><li>Identify common sleep disorders (e.g., obstructive sleep apnea, insomnia, and restless leg syndrome) that are influenced by or contribute to rhinologic conditions</li><li>Analyze real-world case studies that explore the interplay between sleep medicine and rhinology, recognizing how nasal and sinus conditions can exacerbate sleep disorders and vice versa</li><li>Evaluate diagnostic approaches for sleep-disordered breathing in patients with CRS, including the use of polysomnography, home sleep testing, and nasal airflow assessment</li><li>Utilize interactive, case-based learning to collaborate with peers in identifying effective management plans that integrate both rhinologic and sleep medicine perspectives, improving patient outcomes</li></ul>	Randall Ow, MD, FARS	Christopher Ito, MD, FARS Paul Schalch Lepe, MD Daniel O'Brien, MD
8:45 am - 09:30 am <b>Advanced Techniques in Revision Sinus Surgery: Mastering Draf III Frontal Sinusotomy</b> <ul style="list-style-type: none"><li>Identify clinical scenarios where Draf III is indicated, such as refractory frontal sinus disease, extensive scarring, masses or persistent obstruction</li><li>Learn step-by-step techniques for performing different variations of Draf III frontal sinusotomy</li><li>Explore the use of advanced instrumentation, such as angled endoscopes, microdebriders, and drills, to enhance surgical precision</li><li>Understand how to minimize complications, such as cerebrospinal fluid leaks, bleeding, and orbital injury</li></ul>	Pete Batra, MD, FARS Moderator	Stacey Gray, MD, FARS Dissector
9:30 am - 10:15 am <b>Sinus Surgery Showdown: When to Go Big, When to Go Small?</b> <ul style="list-style-type: none"><li>Review the indications for conservative (small) versus extensive (big) approaches in managing sinus disease</li><li>Compare the short- and long-term outcomes of minimal versus extensive approaches, including symptom relief, complication rates, and revision needs</li><li>Work through real-world clinical scenarios, presenting arguments for both small and big surgical approaches</li><li>Discuss the use of endoscopic tools and advanced visualization techniques in executing both conservative and more extensive procedures</li></ul>	Devyani Lal, MD, FARS	Ian Koszewski, MD, FARS Abtin Tabaee, MD, FARS Dennis Tang, MD, FARS
10:15 am - 10:45 am <b>Break with Exhibitors in Grand Hall A</b>		

# ARS 14th Annual Summer Sinus Symposium

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
10:45 am - 11:30 am <b>Optimizing Epistaxis Management with Advanced Techniques and Tools</b> <ul style="list-style-type: none"><li>Review the latest clinical guidelines, innovations in treatment, and ongoing research in epistaxis management</li><li>Implement techniques in hemostasis in advanced sinus and skull base surgery including TIVA, topical agents, IV therapies, positioning, instrumentation</li><li>Review algorithms for managing refractory or complex cases, including when to escalate to surgical or radiological intervention</li><li>Analyze real-world case studies to identify the best practices and appropriate interventions for managing complex epistaxis</li></ul>	Joey Raviv, MD	Nyssa Farrell, MD Keonho Albert Kong, MD Michael Marino, MD, FARS Danielle Warner, MD, FARS
11:30 am - 12:15 pm <b>Advanced Insights into Facial Pain, Headache, and Rhinologic Connections</b> <ul style="list-style-type: none"><li>Apply diagnostic and treatment strategies to real-world cases, focusing on the intersection of headache, facial pain, and rhinology</li><li>Identify the overlap and distinguishing features of primary headache disorders, sinus-related pain, and neuropathic facial pain</li><li>Evaluate evidence-based criteria for differentiating between rhinogenic and non-rhinogenic pain</li><li>Discuss collaborative strategies with neurology, pain management, and otolaryngologists for comprehensive care</li></ul>	Ryan Vaughn, MD	Jeffrey Bedrosian, MD, FARS Karen Hoffman, MD Mark Mehle, MD Amelia Read, MD
12:15 pm - 1:15 pm <b>Industry Lunch Symposia</b>		
12:15 pm - 1:15 pm <b>Lunch with Exhibitors in Grand Hall A</b>		
1:15 pm - 2:00 pm <b>Little Noses, Big Challenges: Interactive Pediatric Rhinology Cases</b> <ul style="list-style-type: none"><li>Review recent advancements in pediatric rhinology, including novel diagnostic technologies and surgical techniques</li><li>Utilize real-world complex cases to apply diagnostic and management strategies for pediatric chronic rhinosinusitis</li><li>Explore the influence of systemic conditions, such as cystic fibrosis, primary ciliary dyskinesia, and immune deficiencies, on pediatric nasal and sinus health</li><li>Review the latest clinical guidelines and advancements in pediatric sinusitis management</li></ul>	Fuad Baroody, MD, FARS	Daniel Gold, MD Adam Kimple, MD, FARS Vijay Patel, MD Jordan Teitelbaum, DO, FARS
2:00 pm - 2:45 pm <b>Optimizing Techniques and Outcomes in Skull Base Surgery: Key Insights</b> <ul style="list-style-type: none"><li>Learn step-by-step methods for accessing key regions of the skull base while minimizing tissue disruption and preserving function</li><li>Understand the principles of identifying and repairing CSF leaks during skull base surgery</li><li>Work through real-world scenarios of skull base pathologies and how to manage them effectively in a multi-disciplinary setting</li><li>Demonstrate intraoperative tools, including navigation systems, angle endoscopes, and high-speed drills, to enhance precision and safety</li></ul>	Edward Kuan, MD, FARS Moderator	Elisa Illing, MD, FARS Dissector
2:45 pm - 3:15 pm <b>Break with Exhibitors in Grand Hall A</b>		
3:15 pm - 4:00 pm <b>Rethinking Eustachian Tube Dysfunction: From Diagnosis to Innovative Treatments</b> <ul style="list-style-type: none"><li>Review the latest updates in clinical trials, technology, and materials used in treating ETD and patulous disorders</li><li>Analyze real-world patient cases to identify clinical presentations of eustachian tube dysfunction and patulous ET, and develop evidence-based treatment plans tailored to individual patient needs</li><li>Evaluate the role of newer interventions such as balloon dilation and surgical techniques for persistent ETD</li></ul>	David Keschner, MD, FARS	Marc Dean, MD Rick Friedman, PhD Emily Moldoff, NP

# ARS 14th Annual Summer Sinus Symposium

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
4:00 pm - 4:45 pm <b>Empty Nose Syndrome Debate: Does it Exist?</b> <ul style="list-style-type: none"><li>• Discuss the key arguments for and against the recognition of ENS as a distinct clinical entity</li><li>• Evaluate the role of turbinate surgery and its impact on nasal airflow and sensory feedback</li><li>• Discuss diagnostic tools and criteria used to evaluate suspected cases of ENS</li><li>• Participate in a structured debate to weigh the evidence for and against the existence of ENS, fostering critical thinking and professional dialogue</li></ul>	Edward McCoul, MD, FARS	Jayakar Nayak, MD Spencer Payne, MD, FARS Madeline Schaberg, MD William Yao, MD, FARS
4:45 pm - 5:30 pm <b>Targeted Treatments for CRSwNP: The Latest Breakthroughs in Biologic Treatments for CRSwNP</b> <ul style="list-style-type: none"><li>• Compare different biologic agents in terms of efficacy, safety, and indications</li><li>• Use evidence-based guidelines and practical strategies for incorporating biologic therapies into treatment strategies</li><li>• Use patient scenarios to identify candidates for biologic therapy and tailoring treatment approaches</li><li>• Analyze the latest research and clinical trial data on biologic therapies, including novel agents in development, and explore their potential to reshape the future of CRSwNP management</li></ul>	Christine Franzese, MD, FARS	Joseph Han, MD, FARS Victoria Lee, MD, FARS Neville Tao, MBBS Andrew White, MD
5:30 pm - 6:30 pm Bayview <b>Women in Rhinology Event</b>		
5:30 pm - 6:30 pm Gaslamp ABC <b>Rhinologists in Private Practice Event</b>		

## Saturday, July 12, 2025

### Business of Medicine - Breakout Room

#### Grand Hall D

#### 8:00 am – 12:15 pm

7:00 am - 8:00 am  
**Industry Breakfast Symposium**

7:00 am - 08:00 am  
**Breakfast with Exhibitors in Grand Hall A**

8:00 am - 8:45 am  
**Coding and Billing 2025: Payment Considerations for New Devices and Technologies**

- Explore changes in billing regulations and payment policies for 2025 and beyond  
Discuss best practices for accurate documentation to support coding for new procedures
- Review tips for streamlining billing workflows and ensuring compliance with payer requirements
- Work through real-world coding scenarios identifying appropriate codes, modifiers, and payment pathways in complex cases

Toby Steele, MD, FARS

Mark Arnold, MD  
Bradford Bichey, MD  
Erin Lopez, MD



# ARS 14th Annual Summer Sinus Symposium

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
8:45 am - 9:30 am <b>The Business Case for Incorporating Allergy Into Your Practice</b> <ul style="list-style-type: none"><li>• Understand the staffing, equipment, and space considerations needed to successfully integrate allergy testing and treatment</li><li>• Work through scenarios of integrating allergy services into a variety of practice settings</li><li>• Learn the appropriate coding for allergy testing and treatment to optimize reimbursement</li><li>• Learn how offering allergy services can diversify revenue streams and enhance practice profitability</li></ul>	Cecelia Damask, DO	Robert Bridge, MD, FARS Andy Chua, MD Kashif Mazhar, MD
9:30 am - 10:15 am <b>Local Anesthetic for In-Office Procedures: Tips for Successful Procedures</b> <ul style="list-style-type: none"><li>• Master injection and application techniques including step-by-step approaches for effective infiltration and topical anesthesia</li><li>• Learn sedation adjuncts and post-procedure care to enhance the overall patient experience</li><li>• Identify and treat potential complications, such as systemic toxicity, allergic reactions, or inadvertent vascular injection</li><li>• Review real-world scenarios to practice selecting the appropriate anesthetic, calculating dosages, and managing complications</li></ul>	David Yen, MD	Joshua Greene, MD Ashutosh Kacker, MD Annette Pham, MD Brian Weeks, MD
10:15 am - 10:45 am <b>Break with Exhibitors in Grand Hall A</b>		
10:45 am - 11:30 am <b>Marketing and Reputation Management: It's Not Just a Word of Mouth Anymore</b> <ul style="list-style-type: none"><li>• Discuss strategies to monitor, manage, and respond to online reviews effectively</li><li>• Work through real-world scenarios to develop responses to negative reviews, create engaging social media campaigns</li><li>• Learn how to establish a consistent and professional brand that reflects your values and expertise</li><li>• Learn how to track key performance indicators such as website traffic, social media engagement, and patient conversion rates</li></ul>	Winston Vaughan, MD, FARS	Nadeem Akbar, MD Eyad Khabbaz, MD Anna Kniseley, MD, FARS Srinivas Kaza, MD
11:30 am -12:15 pm <b>Use of In-Office CT Scans: Improving Efficiency in Your Practice</b> <ul style="list-style-type: none"><li>• Review the key features and capabilities of in-office CT systems, including imaging protocols and resolution options</li><li>• Understand the workflow for integrating CT imaging into practice operations, from scheduling to interpretation</li><li>• Discuss the cost-benefit analysis of implementing in-office CT technology, including potential revenue streams and ROI</li><li>• Participate in case discussions involving the use of in-office CT scans for common and complex rhinologic conditions</li></ul>	Michael Lipan, MD	Karen Bednarski, MD John Christopher Davis, MD Roheen Raithatha, MD, FARS Alla Solyar, MD, FARS
12:15 pm - 1:15 pm <b>Lunch with Exhibitors in Grand Hall A</b>		

# ARS 14th Annual Summer Sinus Symposium

Saturday, July 12, 2025

Skull Base - Breakout Room

Grand Hall D

1:15 pm - 5:30 pm

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
1:15 pm - 2:00 pm <b>Inverted Papilloma 360° Cutting Edge Diagnostics and Surgical Mastery</b> <ul style="list-style-type: none"><li>• Work through real-world cases involving the imaging, diagnosis, new surgical techniques in the management and surveillance of inverted papilloma</li><li>• Learn the role of advanced imaging modalities, such as high-resolution CT and MRI in identifying IP and differentiating it from other sinonasal masses</li><li>• Discuss the risk of malignant transformation and its implications for treatment and surveillance</li><li>• Explore how machine learning algorithms are being developed to predict malignancy risk and optimize treatment planning</li></ul>	Nyall London, MD, FARS	John Clinger, MD Andrea Hebert, MD Zara Patel, MD, FARS Charles Tong, MD, FARS
2:00 pm - 2:45 pm <b>Sinonasal Cancers: Role of Induction, Next Gen Sequencing, and Endoscopic vs Open Resection</b> <ul style="list-style-type: none"><li>• Explore the use of induction therapy in the management of sinonasal cancers, focusing on its benefits and limitations in improving patient outcomes</li><li>• Discuss how next-generation sequencing can guide personalized treatment strategies and enhance the precision of diagnosing and treating sinonasal malignancies</li><li>• Examine the advantages and challenges of endoscopic versus open surgical approaches for sinonasal cancer resections, considering factors such as tumor location, patient characteristics, and long-term outcomes</li></ul>	Anthony Del Signore, MD, FARS	Jacob Eide, MD, FARS Ashleigh Halderman, MD, FARS Kibwei McKinney, MD
2:45 pm - 3:15 pm <b>Break with Exhibitors in Grand Hall A</b>		
3:15 pm - 4:00 pm <b>CSF Leak Management Made Practical: Essential Innovations and Techniques</b> <ul style="list-style-type: none"><li>• Learn how to determine when surgical intervention is necessary based on leak severity, location, and patient symptoms</li><li>• Work through real-world scenarios to practice diagnosing, planning, and performing CSF leak repairs</li><li>• Understand strategies for addressing challenges such as recurrent leaks, meningitis, or graft failure</li><li>• Review the latest research on novel materials, techniques, and technologies for CSF leak repair</li></ul>	Satyan Sreenath, MD	Jean Anderson Eloy, MD, FARS Scott Graham, MD, FARS Edward Kuan, MD, FARS Chirag Patel, MD, FARS
4:00 pm - 4:45 pm <b>Comprehensive Orbital Management for the Practicing Rhinologist: Pathology, Surgical Corridors, and Advanced Techniques</b> <ul style="list-style-type: none"><li>• Discuss common orbital pathologies encountered in rhinology, such as inflammatory diseases, tumors, and trauma</li><li>• Explore management strategies for nasolacrimal duct obstruction or injury during orbital and sinonasal procedures</li><li>• Work through clinical scenarios involving orbital pathologies and their surgical management as well as the role of Transorbital Neuroendoscopic Surgery (TONES)</li><li>• Learn protocols for monitoring orbital function, managing edema, and addressing complications such as diplopia or visual loss</li></ul>	Jessica Grayson, MD	Chris Bergeron, MD Alfred Marc Iloreta, MD Aria Jafari, MD, FARS Jonathan Liang, MD, FARS

# ARS 14th Annual Summer Sinus Symposium

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
4:45 pm - 5:30 pm <b>Optimizing Wound Healing in Sinonasal and Skull Base Surgery:            Managing Crusting, Purulence, Exposed Bone, and Osteomyelitis</b> <ul style="list-style-type: none"> <li>Participate in case discussions highlighting real-world scenarios of postoperative wound complications</li> <li>Explore evidence-based techniques for promoting optimal healing, including debridement, saline irrigation, and topical therapies</li> <li>Discuss patient-specific and surgical factors, such as comorbidities, infection, and technique, that impact healing outcomes</li> <li>Explore the latest evidence on managing specific complications and optimizing outcomes in postoperative care</li> </ul>	Nicholas Rowan, MD	Blair Barton, MD Victoria Lee, MD, FARS Kachorn Seresirikachorn, MD, PhD Bobby Tajudeen, MD, FARS Frederick Yoo, MD
5:30 pm - 6:30 pm Bayview <b>Women in Rhinology Event</b>		
5:30 pm - 6:30 pm Gaslamp ABC <b>Rhinologists in Private Practice Event</b>		

## Saturday, July 12, 2025 Allergy - Breakout Room Grand Hall C 1:15 pm - 5:30 pm

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
1:15 pm - 2:00 pm <b>Surgical vs. In-Office Treatment for Chronic Rhinitis</b> <ul style="list-style-type: none"> <li>Compare and contrast the advantages and limitations of surgical and in-office treatments for chronic rhinitis</li> <li>Evaluate the effectiveness of various treatment modalities, including endoscopic surgery, radiofrequency ablation, and medical therapies</li> <li>Discuss potential risks and benefits of each treatment approach, considering patient-specific factors such as age, comorbidities, and symptom severity</li> <li>Understand post-treatment care and expected outcomes for patients undergoing either surgical or in-office procedures for chronic rhinitis</li> </ul>	Omar Ahmed, MD, FARS	Benjamin Bleier, MD, FARS John Christopher Davis, MD Charles Ebert, MD, FARS
2:00 pm - 2:45 pm <b>Unraveling Controversies in Allergen Immunotherapy</b> <ul style="list-style-type: none"> <li>Examine the current controversies surrounding allergen immunotherapy (AIT), including debates on single vs. multi-antigen therapy, patient selection, and treatment duration</li> <li>Evaluate the clinical evidence for and against the use of sublingual immunotherapy (SLIT) compared to traditional subcutaneous immunotherapy (SCIT)</li> <li>Identify challenges in patient adherence to allergen immunotherapy, including barriers to treatment acceptance and strategies to improve adherence</li> <li>Discuss the future of AIT, including potential breakthroughs in therapy and how they may reshape the management of allergic diseases</li> </ul>	Elina Toskala, MD, FARS	Christine Franzese, MD, FARS Minh Hoang, MD Kashif Mazar, MD Maria Veling, MD
2:45 pm - 3:15 pm <b>Break with Exhibitors in Grand Hall A</b>		

# ARS 14th Annual Summer Sinus Symposium

## Time/Topic

## Moderator/Speaker

## Panelists

3:15 pm - 4:00 pm

### Tackling Recalcitrant CRS Without Nasal Polyps: Redefining Treatment Frontiers

- Identify key clinical features that differentiate CRS without polyps from other forms of rhinosinusitis, including its diagnostic criteria and clinical presentation
- Develop a comprehensive treatment plan for recalcitrant CRS without nasal polyps
- Apply evidence-based guidelines and recent research findings to optimize the treatment of patients with recalcitrant CRS without nasal polyps
- Apply case-based learning to analyze complex scenarios of recalcitrant CRS without nasal polyps, developing individualized management strategies based on patient-specific factors, diagnostic findings, and the latest evidence-based treatments

Chadi Makary, MD, FARS

Katie Melder, MD  
Carolyn Orgain, MD  
Lindsey Ryan, MD  
Jeffrey Suh, MD, FARS

4:00 pm - 4:45 pm

### CRSwNP Conundrum: Mastering Treatment When Biologics Don't Work

- Utilize case-based learning to optimize patient outcomes and enhance clinical decision-making in the setting of biologic treatment failure
- Identify clinical criteria on treatment success and patient-specific factors that may predict response to different therapeutic options
- Evaluate alternative treatment options for CRSwNP patients who do not respond to biologics, including surgical interventions and emerging therapies
- Review the latest research and clinical guidelines on managing biologic-refractory CRSwNP, incorporating emerging treatments

Mohamad Chaaban, MD, FARS

Adam DeConde, ND  
Kara Detwiller, MD, FARS  
Kent Lam, MD, FARS  
Luis Fernando Macias-Valle, MD, FARS

4:45 pm - 5:30 pm

### Accurately Identifying Immunodeficiency in CRS for Tailored Treatment

- Identify signs and symptoms of immunodeficiency in CRS patients, understanding how underlying immune dysfunction can complicate CRS management and contribute to chronicity
- Assess diagnostic tools and strategies (including immunologic testing, genetic screenings, and biomarkers) to effectively identify immunodeficiency in patients with CRS
- Apply case-based learning to evaluate different types of immunodeficiencies in CRS patients, developing individualized treatment plans based on patient-specific immune profiles
- Review the latest evidence on managing CRS in the context of immunodeficiency, including emerging therapies and treatment paradigms based on recent clinical research and case studies

Eugene Chang, MD, FARS  
Jeffrey Radabaugh, MD  
Theodore Schuman, MD, FARS

5:30 pm - 6:30 pm

Bayview

### Women in Rhinology Event

5:30 pm - 6:30 pm

Gaslamp ABC

### Rhinologists in Private Practice Event

## Credit Designation Statement

ARS designates this live activity for a maximum of 13.75 AMA PRA Category 1 Credit(s)<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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