



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



July 13-15, 2023

**Park MGM/NoMad Hotel
Las Vegas, NV**



PROGRAM AT A GLANCE

Welcome from the SSS Course Directors



Naveen Bhandarkar,
MD, FARS



Rohit Garg, MD,
FARS



Stella Lee, MD



Justin Turner,
MD, FARS



Troy Woodard,
MD, FARS

Dear Colleagues:

We're thrilled to host the 12th annual American Rhinologic Society's Summer

Sinus Symposium from July 13-15, 2023, at the Park MGM/NoMad Hotel in Las Vegas, NV, one of the entertainment capitals of the world.

This year's meeting promises to offer an exciting, comprehensive, and practical program focused on state-of-the-art care in clinical and surgical rhinology. Our goal is to provide the highest level of rhinology education in the world.

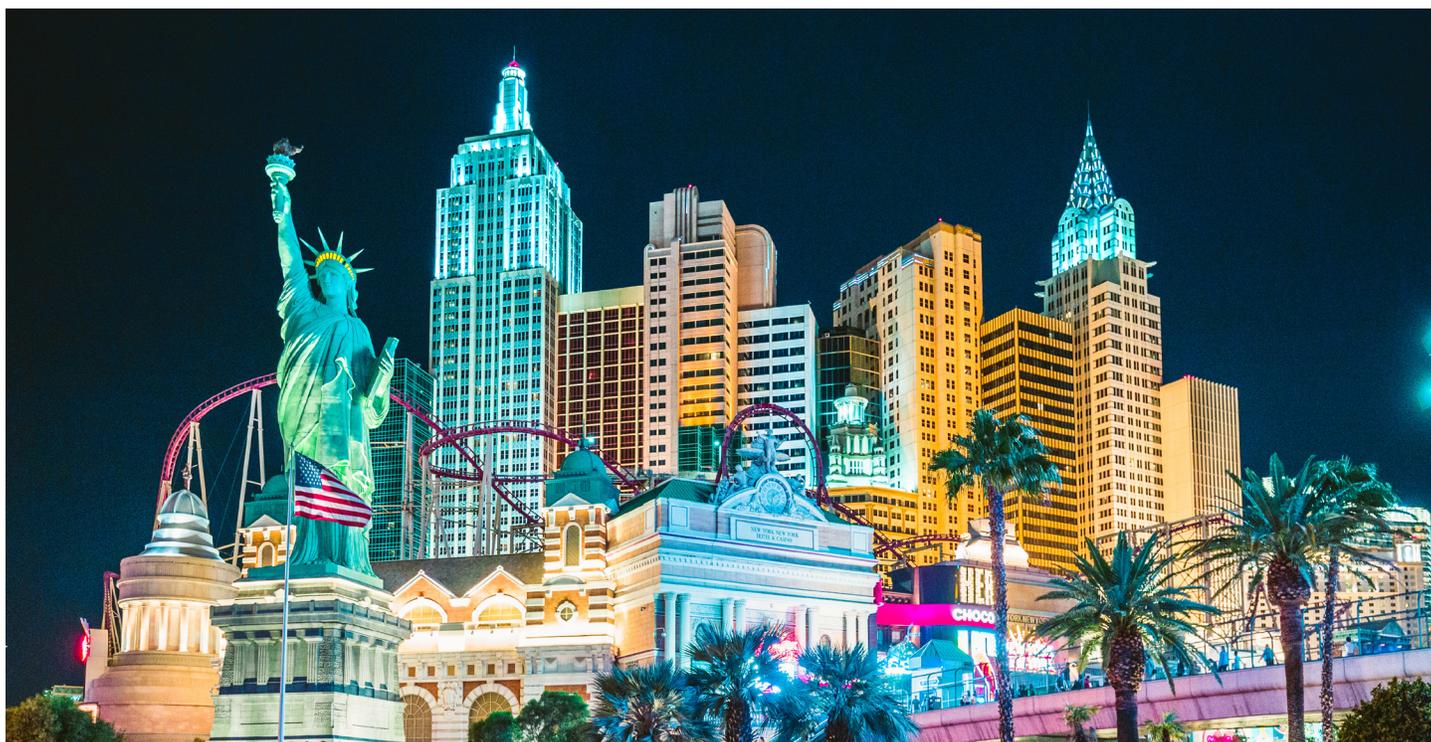
We have created an exciting program delivering valuable educational content for any practicing otolaryngologist or allied health professional involved in the care of patients with sinus, allergy, and/or skull base disorders. The program has been enhanced from previous years based on attendee feedback and suggestions. This year offers dedicated sessions for business of medicine, allergy, skull base, and expanded cadaver dissections. A distinguished and experienced faculty will address contemporary topics in primary, revision, and advanced sinus surgery, medical treatment of rhinosinusitis, office-based rhinologic surgery, complications of sinus surgery, allergy management, biologic treatments, and many other important topics. Through panel discussions and debates, demonstration dissections, and audience response systems, we strive to create an interactive environment that will maximize the learning experience. The course emphasizes a collegial atmosphere where interactions between practicing otolaryngologists, rhinology thought leaders, and industry partners will be fostered and encouraged.

Block your calendars, perfect your poker face, and we look forward to seeing you in Las Vegas!

ARS Summer Sinus Symposium Course Directors:

Naveen Bhandarkar, MD, FARS; Rohit Garg, MD, FARS; Stella Lee, MD; Justin Turner, MD, PhD, FARS; Troy Woodard, MD, FARS

Online Meeting Registration: <https://cvent.me/OYE5k0>



Stay tuned for details on the Ancillary and Non CME Events!

ARS 12th Annual Summer Sinus Symposium

Thursday, July 13, 2023, Presidio Ballroom 1-4

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
1:00 pm – 1:15 pm Welcome	Naveen Bhandarkar, MD, FARS Rohit Garg, MD, FARS Stella Lee, MD Justin Turner, MD, FARS Troy Woodard, MD, FARS	
1:15 pm – 2:00 pm Primary sinus surgery: What's new in the past five years? <ul style="list-style-type: none">Identify the proper patient for first time FESSDiscuss changes in perioperative medical management to optimize outcomesReview changes in surgical technique and instrumentation for primary cases	Pete Batra, MD, FARS	Martin Citardi, MD, FARS Peter Hwang, MD, FARS Melissa A. Pynnonen, MD, FARS Harvinder Singh, MD
2:00 pm – 2:45 pm Complications in rhinology: Scary scenarios and solutions <ul style="list-style-type: none">Assess potential factors that can increase risk in sinus surgeryBe able to manage intracranial and orbital complicationsImplement surgical techniques and strategies that can help decrease surgical complications	Roy Casiano, MD, FARS	Greg Davis, MD, FARS Todd Kingdom, MD, FARS Nobuyoshi Otori, MD Eugenia Vining, MD
2:45 pm – 3:15 pm Break with Exhibitors in Griffith 1-6		
3:15 pm – 4:00 pm Frontal sinus surgery: How much is enough? <ul style="list-style-type: none">Discuss indications and contraindications to frontal sinus surgeryReview how preoperative imaging and patient anatomy dictate extent of frontal sinus surgeryDiscuss stenting options after frontal sinus surgery	Zara Patel, MD, FARS	Stacey Gray, MD, FARS Andrew Lane, MD, FARS James Palmer, MD, FARS Alkis Psaltis, MBBS (hons) PhD, FRACS (Orl) Somasundaram Subramaniam, MBBS
4:00 pm – 5:00 pm Cadaver session: Key pearls in primary surgery <ul style="list-style-type: none">Demonstrate key maneuvers in primary sinus surgery to optimize surgical outcomesReview relevant anatomic considerations to improve outcomes and avoid complicationsDiscuss options for in-office rhinologic procedures	Kevin Welch, MD, FARS Moderator	Rakesh Chandra, MD, FARS Dissector
5:30 pm – 7:00 pm Women in Rhinology - Central Park Terrace		
7:00 pm – 9:00 pm Signature Reception – NoMad Pool		

ARS 12th Annual Summer Sinus Symposium

Friday, July 14, 2023, General Rhinology - Presidio Ballroom 2-4

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
7:00 am – 8:00 am Breakfast with Exhibitors in Griffith 1-6		
8:00 am – 8:45 am New frontiers in managing CRSwNP <ul style="list-style-type: none">• Evaluate current proposed algorithms for management of CRSwNP• Assess the evidence for how biologics fit into the current treatment strategies• Formulate strategies for multi-disciplinary management of CRSwNP	Devyani Lal, MD, FARS	Philip Chen, MD, FARS David Chin, MD Angel Donaldson, MD Charles Ebert, Jr., MD, FARS Robert Kern, MD, FARS
8:45 am – 9:30 am The most influential articles that changed our practice <ul style="list-style-type: none">• Evaluate current findings in clinical research that have the potential to improve patient outcomes• Examine new evidence in rhinology that can translate to clinical and operative practice• Formulate practical ways to translate scientific advances/new knowledge into our clinics and ORs	Sarah Wise, MD, FARS	Rakesh Chandra, MD, FARS Amber Luong, MD, PhD, FARS Raj Sindwani, MD, FARS Kornkiat Snidvongs, MD
9:30 am – 10:15 am Cadaver session: New strategies for revision sinus surgery <ul style="list-style-type: none">• Illustrate reasons for possible needs for revision sinus surgery• Demonstrate key techniques for successful revision sinus surgery• Evaluate surgical options for recalcitrant sinus disease	Nithin Adappa, MD, FARS Moderator	Dana Crosby, MD, FARS Dissector
10:15 am – 10:45 am Break with Exhibitors in Griffith 1-6		
10:45 am – 11:30 am Eustachian tube balloon dilation 101 <ul style="list-style-type: none">• Review the pathophysiology of eustachian tube dysfunction• Discuss indications for balloon dilation of the eustachian tube• Review surgical techniques and outcomes of eustachian tube dilation	Edward McCoul, MD, FARS	Karen Hoffmann, MD David Keschner, MD, FARS Michael Setzen, MD, FARS Dennis Tang, MD, FARS

11:30 am – 12:15 pm

Keynote Address

“Screenwriting for Medicine”

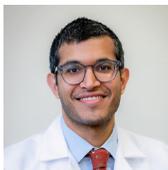
Discussion on the cross between art and medicine.

Guest Speaker:

Roshan V. Sethi, MD

Brigham and Women’s Hospital, Department of Radiation Oncology.

Renowned Hollywood screenwriter, director, and producer. He is best known for the 2021 film “7 Days”, the 2022 film “Call Jane” and is the creator and writer of the television series The Resident (2018-Present). He has also written features for E1, Universal, Dreamworks, and Lionsgate. Two of his feature scripts appeared on The Blacklist in 2017.



12:15 pm – 1:15 pm

Lunch with Exhibitors in Griffith 1-6

12:15 pm – 5:00 pm

Scheduled Industry Symposia Sessions

4:00 pm – 5:00 pm

Private Practice Section, Business Meeting and Cocktail Hour

5:00 pm – 7:00 pm

Faculty Reception - Central Park Terrace

ARS 12th Annual Summer Sinus Symposium

Friday, July 14, 2023, Business of Medicine, Breakout 1 – Balboa

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
7:00 am – 8:00 am Breakfast with Exhibitors in Griffith 1-6		
8:00 am – 8:45 am Marketing your rhinology practice in the modern era <ul style="list-style-type: none">• Evaluate the current landscape of digital and social media to increase presence of your practice online and locally• Formulate strategies for maximizing your content• Appraise the best ways to manage patient reviews and reputation	Thomas Higgins, MD, FARS	Nora Perkins, MD Roheen Raithatha, MD, FARS Sanjeet Rangarajan, MD, FARS Amelia Read, MD
8:45 am – 9:30 am Coding and reimbursement: What you need to know now and how <ul style="list-style-type: none">• Distinguish and incorporate changes in Evaluation and Management coding requirements• Be able to implement accurate coding for new technologies in rhinologic procedures• Interpret coding options for procedures that do not have a specific code (unlisted)	R. Peter Manes, MD, FARS	Adam Campbell, MD, FARS Brian Lobo, MD, FARS Craig Miller, MD Stephanie Shintani-Smith, MD
9:30 am – 10:15 am Real world strategies: Case presentations in coding and reimbursement <ul style="list-style-type: none">• Discuss complexities of coding and reimbursement for new procedures• Highlight appropriate use of unlisted codes• Discuss controversies and challenges in coding	Seth Brown, MD, FARS	Akabar Halawi, MD W. Derek Leight, MD, FARS Theodore Schuman, MD, FARS Jason Talmadge, MD
10:15 am – 10:45 am Break with Exhibitors in Griffith 1-6		
10:45 am – 11:30 am In-office procedures: Optimizing patient outcomes <ul style="list-style-type: none">• Discuss ideal patient selection and appropriate preprocedural counseling• Review options for local anesthesia and optimal room setup• Discuss technical pearls and post procedural management	Marc Dubin, MD, FARS	Robert Bridge, MD, FARS Toby Steele, MD Danielle Warner, MD, FARS

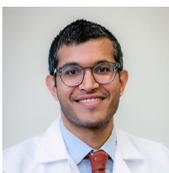
11:30 am – 12:15

Keynote Speaker in Presidio Ballroom 1-4

Keynote Address

“Screenwriting for Medicine”

Discussion on the cross between art and medicine.



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Private Practice Section, Business Meeting and Cocktail Hour

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Faculty Reception - Central Park Terrace

ARS 12th Annual Summer Sinus Symposium

Saturday, July 15, 2023, General Rhinology - Presidio 2-4

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
7:00 am - 8:00 am Breakfast with Exhibitors		
8:00 am - 08:45 am Contemporary management of epistaxis <ul style="list-style-type: none">• Assess current techniques for non-surgical treatment of epistaxis• Review treatment algorithms for refractory epistaxis• Examine new techniques such as sclerotherapy in the context of HHT• Evaluate surgical treatments for refractory and chronic epistaxis	Spencer Payne, MD, FARS	Victoria Lee, MD, FARS Sonya Marcus, MD Jay Piccirillo, MD Douglas Reh, MD, FARS
8:45 am - 9:30 am Headache management for the rhinologist <ul style="list-style-type: none">• Distinguish headache syndromes compared to sinonasal inflammatory disease• Interpret the work up and diagnostic criteria for headache disorders• Examine current treatments for non-sinonasal causes of headaches• Evaluate treatments for sinonasal causes of headaches	Mark Mehle, MD	Christopher Ito, MD, FARS Alla Solyar, MD, FARS Janalee Stokken, MD, FARS William Yao, MD, FARS
9:30 am - 10:15 am Office-based management of nasal obstruction <ul style="list-style-type: none">• Review common etiologies of nasal obstruction• Discuss patient selection, equipment and anesthesia needs during procedure• Explore management strategies in a case-based format	Elisa Illing, MD, FARS	Marc Dean, MD Leah Hauser, MD Paul Russell, III, MD, FARS Dennis Tang, MD, FARS
10:15 am - 10:45 am Break with Exhibitors in Griffith 1-6		
10:45 am - 11:15 am Setting up for success: How to optimize perioperative care, counseling, and outcomes <ul style="list-style-type: none">• Review common pitfalls that lead to surgical failure• Develop post-op strategies to improve patient outcomes and adherence• Evaluate the evidence for antibiotics, debridement, and discuss state-of-the-art strategies	Brent Senior, MD, FARS	Chris Bergeron, MD Nipun Chhabra, MD, FARS Luis Fernando Macias-Valle, MD, FARS Satyan Sreenath, MD
11:15 am - 12:00 pm Medical management of recalcitrant CRS <ul style="list-style-type: none">• Develop a frame work to evaluate etiology of CRS• Understand how systemic diseases may contribute to sinonasal disease• Explore novel medical options for recalcitrant CRS	Michael Stewart, MD, FARS	Nadeem Akbar, MD John Craig, MD, FARS Mamie Higgins, MD Osarenoma Olomu, MD
12:00 pm -1:00 pm Lunch with Exhibitors in Griffith 1-6		
12:00 pm – 1:00 pm Corporate Lunch Symposia		
1:00 pm -1:45 pm Jump starting clinical trials in your practice <ul style="list-style-type: none">• Learn the process of building a clinical research program in a private/academic practice• Discuss advantages, challenges, and hurdles of performing clinical research• Explore most commonly used metrics and QOL questionnaires used in clinical research	Randall Ow, MD, FARS	Moshe Ephrat, MD Nyssa Farrell, MD Jonathan Ting, MD, FARS David Yen, MD

ARS 12th Annual Summer Sinus Symposium

Saturday, July 15, 2023, General Rhinology - Presidio 2-4

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
1:45 pm - 2:30 pm Navigating the suspicious sinonasal mass <ul style="list-style-type: none"> Learn the workup and diagnoses of common sinonasal tumors/lesions Examine and demonstrate surgical techniques utilized to effectively treat patients with sinonasal masses Formulate postoperative management and surveillance strategies 	Ashleigh Halderman, MD, FARS	Satish Govindaraj, MD, FARS Nadeem Kolia, MD Edward Kuan, MD, FARS Amrita Ray, MD
2:30 pm - 3:00 pm Break with Exhibitors in Griffith 1-6		
3:00 pm - 3:45pm Cadaver session: Approaches to skull base lesions, modified endoscopic medial maxillectomy, and SPA ligation pearls <ul style="list-style-type: none"> Learn systematic approach to skull base lesions Discuss how to approach maxillary pathology via endoscopic medial maxillectomy Review surgical management of epistaxis via SPA ligation 	Kibwei McKinney, MD Moderator	Corinna Levine, MD, FARS Dissector
3:45 pm - 4:15 pm Up to date pediatric rhinosinusitis: Modern approaches and complex cases <ul style="list-style-type: none"> Develop the work-up, medical management, and surgical treatment for pediatric rhinosinusitis subtypes Identify and effectively manage orbital complications of rhinosinusitis Be able to understand, recognize, and treat complications of sinus surgery in pediatric patients with sinus disease including CSF leak, orbital injury, and skull base defects 	Adam Kimple, MD, FARS	Chadi Makary, MD, FARS Aaron Pearlman, MD, FARS Hassan Ramadan, MD, FARS
4:15 pm - 5:00 pm Medicolegal issues in rhinology: Risk and resilience <ul style="list-style-type: none"> Identify liability concerns of otolaryngologists Review ways to reduce the risk of a medical malpractice suit Discuss practical steps physicians should take if in legal jeopardy 	Jean Anderson Eloy, MD, FARS	Mohamad Chaaban, MD, FARS Subinoy Das, MD, FARS Scott Graham, MD, FARS Joey Raviv, MD



ARS 12th Annual Summer Sinus Symposium

Saturday, July 15, 2023, Skull Base Session, Breakout 1 - Griffith 7

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
1:00 pm – 1:45 pm Pituitary surgery pearls and pitfalls <ul style="list-style-type: none">• Understand variations and technical considerations for the endoscopic endonasal approach to the sella• Discuss different reconstructive options and techniques following pituitary surgery• Review pre-, peri, and postoperative management in pituitary surgery	Anthony Del Signore, MD	Henry Barham, MD, FARS Stephanie Joe, MD, FARS Chirag Patel, MD, FARS Carlos Pinheiro-Neto, MD Neville Teo, MD
1:45 pm – 2:30 pm It's not just a runny nose: Diagnosis and management of cerebrospinal fluid rhinorrhea <ul style="list-style-type: none">• Review signs, symptoms, and workup strategies for cerebrospinal fluid rhinorrhea• Compare the different etiologies of cerebrospinal fluid rhinorrhea• Demonstrate techniques and steps for successful repair of cerebrospinal fluid rhinorrhea	Bradford Woodworth, MD, FARS	Jessica Grayson, MD Ashutosh Kacker, MD Bobby Tajudeen, MD, FARS Frederick Yoo, MD
2:30 pm – 3:00 pm Break with Exhibitors in Griffith 1-6		
3:00 pm – 3:45 pm Where the eye meets the nose: Orbital and lacrimal surgery for the rhinologist <ul style="list-style-type: none">• Review the workup and endoscopic treatment of epiphora• Discuss the evaluation of thyroid eye disease and review the different options of surgical intervention• Gain a basic understanding of advanced endoscopic orbital surgery, including resection of orbital tumors and optic nerve decompression	Benjamin Bleier, MD, FARS	Andrea Hebert, MD Aria Jafari, MD Jarrett Walsh, MD, FARS Arthur Wu, MD, FARS
3:45 pm – 4:15 pm Optimizing outcomes in skull base surgery: Evaluating new evidence and best practices <ul style="list-style-type: none">• Understand preoperative, perioperative, and postoperative factors which impact outcomes in skull base surgery• Compare the evidence surrounding lumbar drainage, tissue sealant use, and nasal packing in skull base surgery• Discuss metrics and outcome measures conventionally used in skull base surgery	Eugenia Vining, MD	Garret Choby, MD, FARS Anthony Del Signore, MD Jonathan Liang, MD, FARS Kazuhiro Omura, MD Marilene Wang, MD, FARS
4:15 pm – 5:00 pm Skull base presentations <ul style="list-style-type: none">• Discuss proper workup and initial management of skull base lesions and disorders• Appreciate variation in surgical technique and surgical decision-making for skull base pathologies• Understand limits of endoscopic skull base surgery and know when open approaches are indicated• Discuss the role of non-surgical treatments and indications for neo-adjuvant and adjuvant treatment modalities for skull base pathologies	Murugappan Ramanathan, MD, FARS Jeffrey Suh, MD, FARS Case Presenters: Michael Ghiam, MD Aria Jafari, MD Patricia Johnson, MD Michael Yim, MD, FARS	Ashleigh Halderman, MD, FARS Corinna Levine, MD, FARS Murugappan Ramanathan, MD, FARS Jeffrey Suh, MD, FARS

ARS 12th Annual Summer Sinus Symposium

Saturday, July 15, 2023, Allergy Session, Breakout 2 - Balboa

<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
1:00 am – 1:45 pm Chronic cough and postnasal drip: Things that go lump in the night <ul style="list-style-type: none">• Develop a differential diagnosis to understand next steps in patient care when initial attempts at reflux and/or allergy management do not yield patient improvement• Assess current evidence for etiologies and treatments for patients with chronic cough• Evaluate the role of sinonasal disease in chronic cough and postnasal drainage symptoms	Sandra Lin, MD, FARS	Omar Ahmed, MD, FARS Esther Kim, MD, FARS Kenneth Rodriguez, MD Christopher Roxbury, MD, FARS
1:45 pm – 2:30 pm Beyond the nose: Knowing the role of allergies, asthma, and AERD <ul style="list-style-type: none">• Develop strategies for managing the patient with comorbid allergic rhinitis, asthma, and/or aspirin sensitivity• Discuss practical ways to set up a multi-disciplinary approach to managing complex upper and lower inflammatory disease• Facilitate understanding and screening for asthma and know when to refer to pulmonary	John Bosso, MD	Yvonne Chan, MD, FARS Do-Yeon Cho, MD Nyall London, MD, FARS Alex Tham, MBBS
2:30 pm – 3:00 pm Break with Exhibitors in Griffith 1-6		
3:00 pm – 3:45 pm Nothing to sneeze at: Setting up a successful allergy practice <ul style="list-style-type: none">• Evaluate current evidence for SCIT, SLIT-aqueous, and SLIT tablets• Develop models for incorporating allergy into clinical practice• Explore and manage pitfalls in starting up an allergy practice	Masayoshi Takashima, MD, FARS	David S. Fortune, MD Ian Koszewski, MD, FARS Li-Xing Man, MD, FARS
3:45 pm – 4:15 pm Demystifying the process: Nuts and bolts of prescribing and managing patients on biologics <ul style="list-style-type: none">• Develop practical strategies to seamlessly incorporate biologic therapies for patients with CRSwNP in your clinic• Evaluate challenges and solutions in incorporating biologic therapies into your practice• Be able to recognize and address common side effects of biologic therapies	Cecilia Damask, DO	Naweed Chowdhury, MD Kent Lam, MD, FARS Lauren Roland, MD Ryan Vaughn, MD
4:15 pm – 5:00 pm An even deeper dive: Selecting the right biologic for the right patient <ul style="list-style-type: none">• Discuss the current landscape of biologics for CRSwNP• Evaluate the evidence on biologic efficacy in different patient populations• Explore the algorithms incorporating biologics into practice	David Conley, MD, FARS	Jeffrey Bedrosian, MD, FARS Christine Franzese, MD, FARS Andrew Thamboo, MD
5:00 pm Meeting Concludes		

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