

12TH Annual
**SUMMER
SINUS
SYMPOSIUM**
American Rhinologic Society



July 13-15, 2023

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



EXHIBITOR GUIDE

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Improper use of scope may result in patient injury, bleeding, and/or perforation. For complete indications, contraindications, warnings, and cautions, please reference full Instructions for Use (IFU) that accompanied your product.

1. BDN0051996, Vathin E-SteriScope Resp & ENT Compatibility Study

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Sarah K. Wise, MD,
MSCR, FARS

Welcome from the ARS President

Dear Friends and Colleagues,

Welcome to the 2023 American Rhinologic Society Summer Sinus Symposium (ARS SSS) at the Park MGM/NoMad Las Vegas Hotel. This year, the course directors have planned a fantastic meeting with outstanding learning and networking events. Once again, the ARS SSS brings us together in educational and social forums that highlight our year!

From the earliest days of the ARS SSS, this meeting has emphasized practical clinical topics, tips and tricks for safe and efficient sinonasal procedures, and pearls for diagnosis and management of nasal/sinus conditions. In 2023, the ARS continues this tradition with interactive sessions, discussions, and highlights from expert rhinologists. The ARS SSS strives to provide educational content and key takeaway messages that can be immediately incorporated into your clinical practice – this is the foundation on which the ARS SSS has built its success!

During the ARS SSS, please visit our exhibitors to see the newest equipment and treatment options for our rhinology patients. Our corporate supporters have generously supported this conference and allow us to offer the meeting at a minimal expense. Please take a moment to thank them.

We're excited to see you in Las Vegas for the 2023 ARS SSS. Have a great meeting!

Sarah K. Wise, MD, MSCR, FARS
President, American Rhinologic Society



Welcome from the Course Directors!

Dear Colleagues,

We are thrilled you are attending the 12th annual American Rhinologic Society's Summer Sinus Symposium from July 13-15, 2023 in Las Vegas, one of the entertainment capitals of the world! This course once again promises to offer an exciting, comprehensive, and practical program presenting state-of-the-art updates in clinical and surgical rhinology. Our goal is to deliver the highest level of rhinology education in the world to our attendees.

We have created an exciting program delivering valuable educational content for any 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 more. We are particularly excited to have faculty from all over the world, including Australia, Japan, Malaysia, Singapore, and Thailand, joining us to provide their international perspective on these 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.

Join us for the Signature Event on Thursday July 13 at (or in!) The NoMad Pool, with an amazing spread of food and drink, music, ...AND a surprise performance you won't want to miss! On Friday July 14, our keynote speaker, Dr. Roshan Sethi, who is both a radiation oncologist and acclaimed Hollywood screenwriter, director and producer, promises to captivate an audience through discussion of "Screenwriting in Medicine."

To maximize the yield from this meeting, we also encourage you to spend time in the Exhibit Hall to get the most up to date information on the newest innovations in rhinology. As the conference wraps up on Saturday, please provide feedback on your experience as this input is critical for us to maintain the highest quality of education for future courses.

We hope you have an amazing and memorable experience at "The Best Sinus Course in the World!"

ARS Summer Sinus Symposium Course Directors:

Naveen Bhandarkar, MD, FARS

Rohit Garg, MD, FARS

Stella Lee, MD, FARS

Justin Turner, MD, PhD, FARS

Troy Woodard, MD, FARS;



COURSE DIRECTORS



Naveen Bhandarkar,
MD, FARS



Rohit Garg,
MD, FARS



Stella Lee, MD,
FARS



Justin Turner, MD,
PhD, FARS



Troy Woodard,
MD, FARS

PROGRAM AT-A-GLANCE

Thursday, July 13, 2023, Presidio Ballroom 2-4

Time/Topic

Moderator/Speaker

Panelists

1:00 pm – 1:15 pm

Welcome

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

1:15 pm – 2:00 pm

Primary sinus surgery: What's new in the past five years?

- Identify the proper patient for first time FESS
- Discuss changes in perioperative medical management to optimize outcomes
- Review 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

- Assess potential factors that can increase risk in sinus surgery
- Be able to manage intracranial and orbital complications
- Implement 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?

- Discuss indications and contraindications to frontal sinus surgery
- Review how preoperative imaging and patient anatomy dictate extent of frontal sinus surgery
- Discuss stenting options after frontal sinus surgery

Zara Patel, MD, FARS

Stacey Gray, MD, FARS
Andrew Lane, 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

- Demonstrate key maneuvers in primary sinus surgery to optimize surgical outcomes
- Review relevant anatomic considerations to improve outcomes and avoid complications
- Discuss 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

6:00 pm – 7:00 pm

Industry Thank You Event

By invitation only

7:00 pm – 9:00 pm

Signature Reception – NoMad Pool

PROGRAM AT-A-GLANCE

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

Time/Topic

Moderator/Speaker

Panelists

7:00 am – 8:00 am

Breakfast with Exhibitors in Griffith 1-6

8:00 am – 8:45 am

New frontiers in managing CRSwNP

- 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
Angela Donaldson, MD, FARS
Charles Ebert, Jr., MD, FARS
Robert Kern, MD, FARS

8:45 am – 9:30 am

The most influential articles that changed our practice

- 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

- 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

- 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

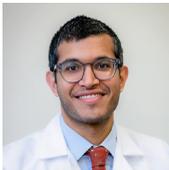
Edward McCoul, MD, FARS

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 in Regents 1 & 2

5:00 pm – 7:00 pm

Faculty Reception - Central Park Terrace

PROGRAM AT-A-GLANCE

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

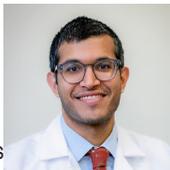
<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
7:00 am – 8:00 am Breakfast with Exhibitors in Griffith 1-6		
8:00 am – 8:45 am Marketing your rhinology practice in the modern era <ul style="list-style-type: none">Evaluate the current landscape of digital and social media to increase presence of your practice online and locallyFormulate strategies for maximizing your contentAppraise 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 requirementsBe able to implement accurate coding for new technologies in rhinologic proceduresInterpret 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 proceduresHighlight appropriate use of unlisted codesDiscuss 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 pre-procedural counselingReview options for local anesthesia and optimal room setupDiscuss 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.

Guest Speaker:

Roshan V. Sethi, MD

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Lunch with Exhibitors in Griffith 1-6

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Scheduled Industry Symposia Sessions

4:00 pm – 5:00 pm

Private Practice Section, Business Meeting and Cocktail Hour in Regents 1 & 2

5:00 pm – 7:00 pm

Faculty Reception - Central Park Terrace

PROGRAM AT-A-GLANCE

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 in Griffith 1-6		
8:00 am - 08:45 am Contemporary management of epistaxis <ul style="list-style-type: none">Assess current techniques for non-surgical treatment of epistaxisReview treatment algorithms for refractory epistaxisExamine new techniques such as sclerotherapy in the context of HHTEvaluate 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 diseaseInterpret the work up and diagnostic criteria for headache disordersExamine current treatments for non-sinonasal causes of headachesEvaluate 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 obstructionDiscuss patient selection, equipment and anesthesia needs during procedureExplore 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 failureDevelop post-op strategies to improve patient outcomes and adherenceEvaluate 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 CRSUnderstand how systemic diseases may contribute to sinonasal diseaseExplore 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 practiceDiscuss advantages, challenges, and hurdles of performing clinical researchExplore 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

PROGRAM AT-A-GLANCE

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/lesionsExamine and demonstrate surgical techniques utilized to effectively treat patients with sinonasal massesFormulate 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 lesionsDiscuss how to approach maxillary pathology via endoscopic medial maxillectomyReview 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 subtypesIdentify and effectively manage orbital complications of rhinosinusitisBe 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 Nobuyoshi Otori, MD 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 otolaryngologistsReview ways to reduce the risk of a medical malpractice suitDiscuss 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

PROGRAM AT-A-GLANCE

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 post-operative 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 pre-, peri-, and post-operative 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 – 5:15 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 neoadjuvant 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

PROGRAM AT-A-GLANCE

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 Niyall 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 to 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
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 Robert Kern, MD, FARS Andrew Thamboo, MD
5:00 pm Meeting Concludes		

2023 ARS SUMMER SINUS SYMPOSIUM SUPPORT

The American Rhinologic Society gratefully acknowledges the following companies for their support of the 12th Annual Summer Sinus Symposium.

EXHIBITORS

3-D Matrix, Inc.
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Aerin Medical
Women in Rhinology Networking Event

Lyra Therapeutics
Faculty Reception

Neurent Medical
**Rhinologists in Private Practice
Business Meeting & Cocktail Hour**

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ARS Summer Sinus Symposium

Ancillary, Non-CME & Social Events

Thursday, July 13, 2023

5:30 pm – 7:00 pm

Women in Rhinology Networking Event

Kensington, 1st Floor

Supported by Aerin Medical

6:00 pm – 7:00 pm

Industry Thank You Event

Cocktails and Hors d'oeuvres

Griffith 1-6 (Exhibit Hall)

By Invitation Only

7:00 pm – 9:00 pm

Signature Event at the NoMad Pool

Cocktail Reception included with registration.

Guest tickets are available for \$150 per ticket.

1:30 pm – 3:30 pm

Stryker Dissection Lab

Location: Richmond 2

Title: "Stryker Hands-On Dissection Lab Featuring Stryker Technologies:
Description: An opportunity to get hands-on with all of Stryker ENT technologies and learn from experienced faculty on techniques and pears used in sinus surgery including BDET certification

Speakers: Raj Sindwani, MD, FARS; Amber Luong, MD, PhD, FARS; Edward McCoul, MD, FARS; Brian Weeks, MD

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

4:00 pm – 5:00 pm

Rhinologists in Private Practice Section - Business Meeting and Cocktail Hour

Regents 1 & 2

Supported by Neurent Medical

5:00 pm – 7:00 pm

Faculty Reception

Kensington, 1st Floor

By Invitation Only

Supported by Lyra Therapeutics

Friday, July 14, 2023

12:15 pm – 1:15 pm

Aerin Medical Lunch Symposium

Location: Hyde 2-3

Title: "Transforming the Treatment Algorithm for Nasal Obstruction and Chronic Rhinitis"

Description: Please join us for lunch and discover the latest advancements in treating chronic nasal conditions from Aerin Medical. This interactive symposium will focus on non-invasive solutions using VivAer® for nasal airway obstruction and RhinAer® for chronic rhinitis. Expert faculty will dive into the latest clinical evidence, case studies and practical advice focused on these exciting technologies.

Speakers: Dr. Stan McClurg, MD; William Yao, 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: Richmond 1

Title: "Surgery for CRS: A case-based approach on when, where, and how"

Description: A panel of experts will discuss various cases related to Chronic Rhinosinusitis

Agenda: Use of balloon with ESS (Hybrid, ESS, other; Office procedure or operating room; Extent of surgery; Best tools to use, utility of Navigation; Concomitant ET dilation and evidence

Moderator: Raj Sindwani, MD, FARS

Panelists: Amber Luong, MD, PhD, FARS; Edward McCoul, MD, FARS; Brian Weeks, MD

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

Saturday, July 15, 2023

12:00 pm – 12:50 pm

Sanofi & Regeneron Lunch Symposium

Location: Regents 1 & 2

Title: "Take a Different Path to Chronic Rhinosinusitis with Nasal Polyposis (CRS_{NP}) Control

Speaker: Robert Kern, MD, FARS

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

Visit with ARS Exhibitors and be entered to win Apple prizes!

Visit with our exhibitors and earn a chance to win an iPad, Apple Watch, or Apple Air Pods. Each registered attendee (with the exception of spouses, guests, children under the age of 16, and exhibitors), will be given a raffle card. Drop by and visit each exhibitor and get your raffle card stamped. Once you have collected all the stamps, complete and sign the card and turn it in to the ARS staff at the Registration Desk.

All raffle tickets must be turned in by 2:30 PM on Saturday July 15th. The drawing will take place at 2:45 PM in the Exhibit Hall (Griffith 1-6). You must be present to win. Good Luck!

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.

Exhibitors



3-D MATRIX – Booth 101

1234 Chestnut Street, Suite 205, Brighton, MA 02135

Phone: 781-373-9020

Email: info@3dmatrix.com

Website: <https://www.3dmatrix.com>

Twitter: <https://twitter.com/3DMatrixNA>

3-D Matrix, Inc. is proud to introduce PuraGel to the US market. A game-changing product based on technology invented at MIT for use in various surgeries is now FDA approved for sinus surgery. PuraGel is indicated for hemostasis, adhesion-prevention and wound healing of the natural healing process. PuraGel nanofiber peptides self-assemble on contact with physiological fluid to develop a synthetic matrix forming a mechanical barrier to control bleeding, maintain moisture on exposed mucosa, aiding the natural healing process and preventing the formation of post-operative adhesions. PuraGel sets a new standard for product consolidation all the while enhancing clinical performance and patient outcomes.



ACCLARENT – Showcase S4

31 Technology Drive, Suite 200, Irvine, CA 92618

Phone: 877-775-2789

Email: customerservice@acclarent.com

Website: www.acclarent.com

Twitter: <https://twitter.com/Acclarent>

Acclarent, Inc., part of the Johnson & Johnson family of companies, is a medical device company in Irvine, CA that was established in June of 2004. We're dedicated to supporting Ear, Nose, and Throat (ENT) surgeons with navigation and minimally invasive technologies designed to preserve nasal anatomy, while addressing rhinosinusitis and persistent Eustachian Tube Dysfunction. Commercially launched in 2005, our Balloon Sinuplasty technology has been used by otolaryngologists in over 535,000 procedures.



ADVANCED RX COMPOUNDING PHARMACY – Showcase S5

414 Commerce Drive, Suite 100, Fort Washington, PA 19034

Phone: 484-681-5756; Fax: 866-308-3832

Email: accounts@advancedrx.net

Website: <https://www.advancedrx.net>

Advanced RX is an ENT-focused compounding pharmacy specializing in steroid, antibiotic, and antihistamine nasal rinses. Our goal is to provide patients access to high-quality medications at affordable prices.



AERIN MEDICAL – Showcase S2

2565 Leghorn Street, Mountain View, CA 94043

Phone: 833-484-8237

Email: info@aerinmedical.com

Website: www.aerinmedical.com

Twitter: <https://twitter.com/AerinMedical>

Facebook: <https://www.facebook.com/aerinmedical>

Aerin Medical offers ENT physicians a portfolio of non-invasive, office friendly products to fill the unmet needs of people suffering from chronic nasal airway conditions. The company's first products, VivAer® for treating nasal airway obstruction and RhinAer® for treating chronic rhinitis, are FDA-cleared and commercially available in the United States. Both products enable ENT physicians to effectively and comprehensively treat nasal airway conditions under local anesthesia with minimal to no downtime for patients. VivAer and RhinAer use Aerin Medical's proprietary, temperature-controlled radiofrequency (RF) technology. Both VivAer and RhinAer fit seamlessly into the office or operating room.

Exhibitors



CARESTREAM DENTAL, LLC – Tabletop T603

3625 Cumberland Blvd., Suite 700, Atlanta, GA 30339

Phone: 585-781-4380

Email: deba.roschetzky@csdental.com

Website: <https://www.carestreamdental.com>

Twitter: <https://www.Twitter.com/Carestreamdental>

Facebook: <https://m.facebook.com/CarestreamDental/>

Instagram: <https://www.instagram.com/CarestreamDental/>

The CS 9600 in-office cone beam CT captures high-quality sinus and temporal bone images at a fraction of the radiation dose of conventional CT systems. With such precise images available at the point of care, you can provide single-visit diagnoses and perform more in-office procedures.



CASCADE SPECIALTY PHARMACY – Booth 302

325 NE Hostmark St., Poulsbo, WA 98370

Phone: 866-341-8370

Website: www.cascaderx.com

Are you looking for more cost effective and professional compounds for your sinus irrigations? Cascade Specialty Pharmacy (CSP) is here to help! For over 10 years, CSP has developed custom compounds for otolaryngology. Come check out our latest invention, C-Salt medicated sinus rinse packets!



EXPERIENT MEDICAL – Tabletop T505

3001 W. Shamrell Blvd., Flagstaff, AZ 86005

Phone: 928-569-6630

Email: dank@pobamedical.com

ExperiENT Medical is an early-stage company utilizing novel and patented medical balloon technology to develop and deploy devices for the treatment of Ear, Nose and Throat patients. Our initial focus includes developing two products: 1. Epistaxis treatment; 2. Nasal airway support and snoring treatment. These are large, attractive markets and we believe our unique solutions will be well received in the market.



GBR Medical – Tabletop T502

809 NW Wall Street, #904, Bend, OR 97701

Phone: 702-883-0398

Email: operations@gbrmedical.com

Website: <https://www.gbrmedical.com/>

We deliver innovative solutions that help patients improve their healthcare journey.



GSK – Booth 400

410 Blackwell Street, Durham, NC 27701

Phone: 1-725-277-4527

Website: www.gsk.com

Email: ciann.m.gray@gsk.com

GSK unites science, technology and talent to get ahead of disease together. We prevent and treat disease with vaccines, ad specialty and general medicines.



Exhibitors

H F Hemostasis Fiagon – Booth 200/202

5000 Township Parkway, St. Paul, MN 55110

Phone: 651-855-1466; Fax: 651-855-1465

Email: kkessler@hemostasisllc.com

Website: www.hemostasisllc.com

Hemostasis & Fiagon strive to empower ENT surgeons with leading edge technologies which provide improved surgeon care, and patient outcomes.



ID MEDICAL DEVICES LLC – Tabletop T604

4101 Ravenswood Road, Suite 315, Fort Lauderdale, FL 33312

Phone: 305-915-1525

Email: support@idmedicaldevices.com

Website: <https://www.idmedicaldevices.com>

We specialize in handheld medical devices and are always striving to bring the newest innovations to the market.



J.MORITA USA, INC. – Tabletop T500

9 Mason, Irvine, CA 92618

Phone: 800-831-3222

Email: info@jmoritausa.com

Website: <https://www.morita.com/usa>

Twitter: <https://twitter.com/MoritaUsa>

Facebook: <https://www.facebook.com/jmoritausa>

Morita was established in Kyoto, Japan in 1916 and has grown to become one of the world's largest manufacturers and distributors of high-quality equipment and supplies. Known for high clarity and low dose imaging, Morita units provide richly detailed images of bone defects in the paranasal sinus region, of the smallest structures in the inner ear, and of midfacial fractures. This advanced imaging technology is ideal for ENT indications. Unit options include the Veraview FX800 and the 3D Accutomo 170. For more information visit www.morita.com/usa.



KARL STORZ ENDOSCOPY-AMERICA, INC. – Booth 301

2151 E. Grand Avenue, El Segundo, CA 90245

Phone: 800-421-0837

Email: communications@karlstorz.com

Website: <https://www.karlstorz.com>

KARL STORZ – Your ENT Partner at Every Site of Care

KARL STORZ enables early diagnosis and intervention by providing advanced surgical imaging, integration, and instrumentation to help improve patient outcomes, reduce cost, and enhance the physician experience. KARL STORZ: enabling Anywhere Care™

Exhibitors



KING'S PHARMACY AND COMPOUNDING CENTER – Showcase S1

17500 Red Hill Avenue, Suite 250
Irvine, CA 92614
Phone: 949-287-0780; Fax: 949-387-0784
Email: kingsirvine@gmail.com
Website: <https://www.kingspharma.com>
Twitter: <https://kingspharmacycc>
Facebook: <https://kingspharmacy>
Instagram: <https://kingspharmacycc>

We are a full-service Ear, Nose and Throat (ENT) specialty compounding pharmacy with more than 20 years of experience! We pride ourselves in customer service and meeting the ever-changing needs of our patients! We have an intense focus in ENT which makes ordering ENT medications with our pharmacy much more simple!



LYRA THERAPEUTICS, INC. – Tabletop T602

480 Arsenal Way, Watertown, MA 02472
Phone: 617-393-4600
Email: contactus@lyratx.com
Website: <https://lyratherapeutics.com>

Lyra Therapeutics is a clinical-stage biotechnology company developing an innovative solution for the localized treatment of chronic rhinosinusitis (CRS). Lyra's product candidates, LYR-210 and LYR-220, are bioresorbable nasal implants designed to deliver up to six months of continuous anti-inflammatory therapy (mometasone furoate 7,500 µg) to the sinonasal mucosa with a single in-office administration. LYR-210 is in Phase 3 development for CRS patients who are underserved by current medical management and face surgery as their next treatment option. LYR-220 is in Phase 2 development for CRS patients who have undergone prior sinus surgery but continue to have persistent disease.



MEDICAL CENTER SPECIALTY PHARMACY – Tabletop T100

912 S. 16th Street, Wilmington, NC 28401
Phone: 910-763-1896
Email: admin@mcspnc.com
Website: <https://www.mcspnc.com/>
Instagram: <https://www.instagram.com/mcspwilmington>
Facebook: <https://www.facebook.com/mcspwilmington>

Medical Center Specialty Pharmacy is the leader in topical sinus therapy for patients with chronic rhinosinusitis. As an accredited pharmacy, MCSP partners with physicians to offer a simple prescribing process for both steroid and antibiotic sinus irrigations. We work closely with insurance companies and have affordable cash options to keep costs low for patients. Our MoreRx Care Team will walk patients through every step of the way, from initial education to follow-up and refill reminders throughout their course of therapy. Let us simplify the process for you. Experience the MCSP difference today!



MEDTRONIC – Showcase S3

710 Medtronic Pkwy, Minneapolis, MN 55432
Phone: 763-514-4000
Email: RS.ENTMarketing@Medtronic.com
Website: www.medtronic.com
Twitter: <https://twitter.com/medtronic>
Facebook: <https://www.facebook.com/Medtronic/>

We lead global healthcare technology, boldly attacking the most challenging problems. Our Mission – to alleviate pain, restore health, and extend life – unites a global team of 90,000+ people, and our technologies transform the lives of two people every second, every hour, every day. Expect more from us. Medtronic. Engineering the extraordinary.

Exhibitors



MODMED – Tabletop T104

4850 T-Rex Avenue, Suite 200, Boca Raton, FL 33431

Phone: 561-880-2998

Email: Entsales@modmed.com

Website: <https://www.modmed.com/otolaryngology>

The ModMed Otolaryngology suite is a cloud-based, electronic health records (EHR) and practice management (PM) system designed to adapt to each doctor's style of practice, remembering preferences and automatically suggesting documentation and billing codes. When used on a tablet, EMA®, our EHR, works seamlessly with our other products and services including Practice Management, Patient Engagement, Analytics, Revenue Cycle Management, ModMed Pay, ModMed Telehealth and more. With easy-to-use mobile touch screen capabilities, our intuitive, all-in-one solution helps enterologists save precious time and allows them to focus on what's important—improving patient outcomes.

NasoNeb®

NASONEB® – Booth 402

153 Industrial Blvd., Plattsburgh, NY 12901

Phone: 800-833-9653

Email: hcp@nasoneb.com

Website: <https://www.nasoneb.com>

Twitter: <https://twitter.com/NasoNebOfficial>

Facebook: <https://www.facebook.com/NasoNebSystem>

Instagram: <https://www.instagram.com/nasonebofficial>

NasoNeb® Nasal Delivery Systems Division, part of Monaghan Medical Corporation, is dedicated to the development, manufacture, and worldwide sale of intranasal drug delivery systems. The flagship product, NasoNeb® Sinus Therapy System, is a powered nasal nebulizer that aerosolizes solutions for delivery throughout the nasal and paranasal cavities to provide relief for sinus, rhinitis, and nasal polyps patients. The NasoNeb® NDS division is committed to working with physicians, hospitals, and patients globally to break down barriers to wellness and help people feel better and breathe better. Come see us at booth 402 for your demo device or at nasoneb.com/demo.

NeilMed®

PHARMACEUTICALS. INC.

NEILMED PHARMACEUTICALS INC. – Tabletop T600

601 Aviation Blvd., Santa Rosa, CA 95403

Phone: 707-525-3784; Fax: 707-525-3785

Email: tradeshows@neilmed.com

Website: www.neilmed.com

Facebook: <https://facebook/neilmednetipot>

NeilMed® is the largest manufacturer and supplier of LVLP (Large Volume Low Pressure) saline nasal irrigation systems in the world. The NeilMed brand of products helps alleviate common nasal and sinus symptoms in a simple, safe, effective and affordable way. Please visit www.neilmed.com for more details.

Exhibitors

OLYMPUS®

OLYMPUS AMERICA INC. – Booth 401/403

3500 Corporate Parkway, Center Valley, PA 18034

Phone: 800-401-1086

Email: louis.lariviere@olympus.com

Website: <https://medical.olympusamerica.com/>

Twitter: <https://twitter.com/OlympusMedUS>

Instagram: <https://www.instagram.com/olympusamericas/>

For more than 100 years, Olympus has focused on making people's lives healthier, safer and more fulfilling by helping to detect, prevent and treat disease. Olympus' ENT business uses innovative capabilities to deliver diagnostic and therapeutic solutions to Otolaryngologists practicing Rhinology. Our capabilities in visualization – including both 4K and HD solutions – enable surgeons to have the best endoscopic view possible. Olympus therapeutic solutions are found in all sites of care – hospital operating rooms, ambulatory surgical centers, and in the office. Olympus' Rhinology portfolio includes the DIEGO® ELITE Multidebrider, Celon Elite™ radiofrequency system for turbinate reduction, and the just launched world's first CELERIS™ Disposable Sinus Debrider. All your surgical images and videos can be securely captured, stored and shared across the enterprise using Olympus content management solutions such as nCare and Vaultstream.

optinose®

OPTINOSE US, INC. – Tabletop T501

1020 Stony Hill Rd., Suite 300, Yardley, PA 19067

Phone: 267-364-3500

Email: kristen.hance@optinose.com

Website: <https://www.optinose.com>

Twitter: <https://twitter.com/optinose>

Optinose is a global specialty pharmaceutical company focused on serving the needs of patients cared for by ear, nose and throat (ENT) and allergy specialists.

PROSIDIO

PROSIDIO – Tabletop T102

5 Azalea Circle, Purchase, NY 10577

Phone: 843-902-5709

Email: maureen@prosidio.com

Website: <https://www.prosidio.com>

Prosidio Endoscopy is a medical device company that specializes in the design and manufacturing of endoscopy products that improve patient outcomes, reduce healthcare costs, and enhance the clinician experience. Prosidio's portfolio includes microscopes, endoscopes, surgical instruments, and imaging systems that are used in the ENT industry. Our products are known for their sleek, modern design and advanced technological features, which make them highly effective and easy to use for a number of procedures within the fields of ENT. Our commitment to creating beautiful and functional medical devices has made us a leader in the industry and a trusted partner for hospitals and clinics around the world.

REFLUXRAFT®

ALL NATURAL REFLUX THERAPY

REFLUXRAFT - Booth 103

300 East Main Street, Charlottesville, VA 22903

Phone: 434-995-5162

Email: hello@refluxraft.com

Website: <https://refluxraft.com>

With decades of patient experience and feedback, otolaryngologists (ENTs), Drs. Payne and Daniero, designed RefluxRaft because they wanted to see change. After years of observing the harsh side effects of both prescription and over-the-counter acid reflux medications, they knew there had to be a better, safer, and more complete approach. That's how RefluxRaft was started, to find a better, more holistic way to help patients without having collateral damage to their bodies. RefluxRaft is a natural treatment for the symptoms of acid reflux that keeps acid compartmentalized without ever entering your bloodstream. It is formulated with seaweed, ginger, and other natural ingredients to deliver a new kind of relief.



Exhibitors

SANOFI & REGENERON – Booth 300

Sanofi is dedicated to supporting people through their health challenges. We are a global biopharmaceutical company focused on human health. We stand by the few who suffer from rare diseases and the millions with long-term chronic conditions. With more than 100,000 people in 100 countries, Sanofi is transforming scientific innovation around the globe.

Regeneron is a leading biotechnology company that invents medicines for people with serious diseases. Founded and led for over 30 years by physician-scientists, our unique ability to repeatedly and consistently translate science into medicine has led to multiple FDA-approved treatments, almost all of which were homegrown in our laboratories.



SEPTUM SOLUTIONS – Booth 303

111 Cash Street, Suite A, Jacksonville, TX 75766

Phone: 919-608-7020

Email: mike.russell@septumsolutions.com

Website: <https://www.septumsolutions.com>

Septum Solutions is committed to providing technologies that may allow for improved breathing post procedurally and durable long-term outcomes. The ChitoTruss Septal Splints are purpose built to provide a better clinical solution for post-operative septal splinting, involving a proprietary design aimed at delivering better breathing, better patient comfort, and a better overall patient experience.



SMITH+NEPHEW – Tabletop T503

7000 W. William Cannon Dr., Austin, TX 78735

Phone: 269-762-3776

Email: Dustin.Pratico@smith-nephew.com

Website: <https://www.smith-nephew.com/en-us>

LinkedIn: <https://www.linkedin.com/company/smith-&-nephew/>

Facebook: <https://www.facebook.com/SmithNephewPlc>

Smith & Nephew is committed to providing innovative technologies healthcare professionals can trust. We proudly offer our exclusive line of COBLATION \diamond wands, RAPID RHINO \diamond epistaxis products & the Tula in-office ear tube placement system to help surgeons improve patients' lives.



STRYKER – Booth 201/203

1941 Stryker Way, Portage, MI 49002

Phone: 800-253-3210

Email: barbara.sharpe@stryker.com

Website: <https://ent.stryker.com>

Facebook: <https://www.facebook.com/StrykerENT>

Instagram: <https://www.instagram.com/strykerent/>

At Stryker ENT, we provide comprehensive evidence-supported technologies that address under treated conditions including chronic sinusitis, chronic rhinitis, Eustachian tube dysfunction and nasal airway obstruction.

Exhibitors



SUTTER MEDICAL TECHNOLOGIES USA – Tabletop T605

3159 Royal Drive, Suite 340, Alpharetta, GA 30022

Phone: 770-702-7087

Email: cody.lynch@sutter-usa.com

Website: <https://www.sutter-usa.com>

Sutter Medical Technologies USA provides electrosurgical medical products of the highest precision and quality. We develop, produce and distribute proprietary and innovative products for ENT, plastics, neurosurgery and spine, and offer optimal solutions for surgeons in these specialties.



XORAN TECHNOLOGIES – Tabletop T601

5210 S. State Road, Ann Arbor, MI 48108

Phone: 800-709-6726

Email: info@xorantech.com

Website: <https://www.xorantech.com>

Xoran is the pioneer and leader in low-dose radiation, cone beam CT systems specifically designed for use at the patient's point-of-care. Founded in 2001, Xoran is on a mission to improve patient care, and reduce waste and inefficiency in healthcare by developing innovative, real-time imaging solutions. Healthcare providers rely on our office-based CT systems to diagnose and treat patients efficiently and effectively. Xoran is based in Ann Arbor, Michigan, with international distributors around the world.



ARS 69th Annual Meeting

September 29-30, 2023 | Omni Nashville Hotel, Nashville, TN



COSM 2024

May 15-16, 2024

Hyatt Regency Chicago, Chicago, IL



ARS 13th Annual Summer Sinus Symposium

July 12-14, 2024

Hyatt Regency New Orleans, New Orleans, LA



ARS 70th Annual Meeting

September 27-28, 2024

Miami, FL

Contact: Wendi Perez, ARS Executive Administrator
Tel: 973-545-2735, Ext. 4105 Email: wendi@american-rhinologic.org

american-rhinologic.org

Twitter / Facebook / Instagram: [@amrhinosociety](https://www.instagram.com/amrhinosociety)