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You can also gain the flexibility to choose without compromising on performance with the comprehensive portfolio of the **CELERIS™ Single-use Disposable Sinus Debrider**, designed to treat more noses in less time.

Visit ARS Booth 401/403 for more details on these flexible solutions!



As with all electrosurgery instruments, inappropriate use can cause damage to tissue, both electrically and thermally.

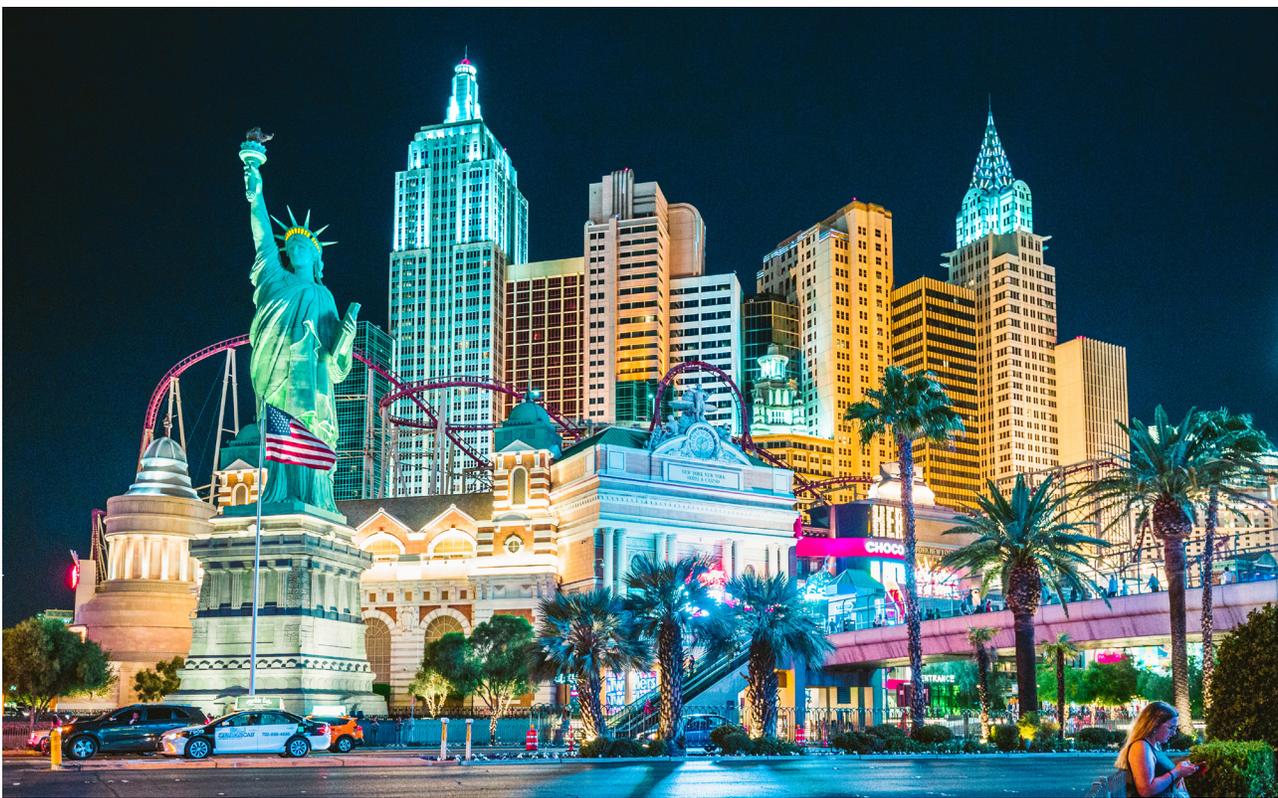
Improper use of scope may result in patient injury, bleeding, and/or perforation. For complete indications, contraindications, warnings, and cautions, please reference full Instructions for Use (IFU) that accompanied your product.

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

ARS 12TH ANNUAL SUMMER SINUS SYMPOSIUM HIGHLIGHTS:

- Expanded cadaver prosections
- Keynote address “*Screenwriting for Medicine*” by Roshan V. Sethi, MD
- Dedicated allergy, skull base, and business of medicine sessions
- Symposia sessions

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

2023 Program Information

Invited Faculty

Nithin Adappa, MD, FARS
Omar Ahmed, MD, FARS
Nadeem Akbar, MD
Henry Barham, MD, FARS
Pete Batra, MD, FARS
Jeffrey Bedrosian, MD, FARS
Chris Bergeron, MD
Benjamin Bleier, MD, FARS
John Bosso, MD
Robert Bridge, MD, FARS
Seth Brown, MD, FARS
Adam Campbell, MD, FARS
Roy Casiano, MD, FARS
Mohamad Chaaban, MD, FARS
Yvonne Chan, MD, FARS
Rakesh Chandra, MD, FARS
Philip Chen, MD, FARS
Nipun Chhabra, MD, FARS
David Chin, MD
Do-Yeon Cho, MD
Garret Choby, MD, FARS
Naweed Chowdhury, MD
Martin Citardi, MD, FARS
David Conley, MD, FARS
John Craig, MD, FARS
Dana Crosby, MD, FARS
Cecelia Damask, DO
Subinoy Das, MD, FARS
Greg Davis, MD, FARS
Marc Dean, MD
Anthony Del Signore, MD
Angela Donaldson, MD, FARS
Marc Dubin, MD, FARS
Charles Ebert, Jr., MD, FARS
Jean Anderson Eloy, MD, FARS
Moshe Ephrat, MD
Nyssa Farrell, MD
David S. Fortune, MD
Christine Franzese, MD, FARS
Satish Govindaraj, MD, FARS
Scott Graham, MD, FARS
Stacey Gray, MD, FARS
Jessica Grayson, MD
Akabar Halawi, MD
Ashleigh Halderman, MD, FARS
Leah Hauser, MD
Andrea Hebert, MD
Mamie Higgins, MD
Thomas Higgins, MD, FARS
Karen Hoffmann, MD
Peter Hwang, MD, FARS

Elisa Illing, MD, FARS
Christopher Ito, MD
Aria Jafari, MD
Stephanie Joe, MD, FARS
Ashutosh Kacker, MD
Robert Kern, MD, FARS
David Keschner, MD, FARS
Esther Kim, MD, FARS
Adam Kimple, MD, FARS
Todd Kingdom, MD, FARS
Nadeem Kolia, MD
Ian Koszewski, MD, FARS
Edward Kuan, MD, FARS
Devyani Lal, MD, FARS
Kent Lam, MD, FARS
Andrew Lane, MD, FARS
Jivianne Lee, MD, FARS
Victoria Lee, MD, FARS
W. Derek Leight, MD, FARS
Corinna Levine, MD, FARS
Jonathan Liang, MD, FARS
Sandra Lin, MD, FARS
Brian Lobo, MD, FARS
Nyall London, MD, FARS
Amber Luong, MD, PhD, FARS
Luis Fernando Macias-Valle, MD, FARS
Chadi Makary, MD, FARS
Li-Xing Man, MD, FARS
R. Peter Manes, MD, FARS
Sonya Marcus, MD
Edward McCoul, MD, FARS
Kibwei McKinney, MD
Mark Mehle, MD
Craig Miller, MD
Osarenoma Olomu, MD
Kazuhiro Omura, MD
Nobuyoshi Otori, MD
Randall Ow, MD, FARS
Chirag Patel, MD, FARS
Zara Patel, MD, FARS
Spencer Payne, MD, FARS
Aaron Pearlman, MD, FARS
Nora Perkins, MD
Jay Piccirillo, MD
Carlos Pinheiro-Neto, MD
Alkis Psaltis, MBBS (hons) PhD, FRACS (Orl)
Melissa Pynnonen, MD, FARS
Roheen Raithatha, MD, FARS
Hassan Ramadan, MD, FARS

Murugappan Ramanathan, MD, FARS
Sanjeet Rangarajan, MD, FARS
Joey Raviv, MD
Amrita Ray, MD
Amelia Read, MD
Douglas Reh, MD, FARS
Kenneth Rodriguez, MD
Lauren Roland, MD
Christopher Roxbury, MD, FARS
Paul Russell, III, MD, FARS
Theodore Schuman, MD, FARS
Brent Senior, MD, FARS
Roshan V. Sethi, MD
Michael Setzen, MD, FARS
Stephanie Shintani-Smith, MD
Harvinder Singh, MD
Raj Sindwani, MD, FARS
Kornkiat Snidvongs, MD
Alla Solyar, MD, FARS
Satyan Sreenath, MD
James Stankiewicz, MD, FARS
Toby Steele, MD
Michael Stewart, MD, FARS
Janalee K. Stokken, MD, FARS
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Somasundaram Subramaniam, MBBS
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Bobby Tajudeen, MD, FARS
Masayoshi Takashima, MD
Jason Talmadge, MD
Dennis Tang, MD, FARS
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Andrew Thamboo, MD
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Kevin Welch, MD, FARS
Sarah Wise, MD, FARS
Bradford Woodworth, MD, FARS
Arthur Wu, MD, FARS
William Yao, MD, FARS
David Yen, MD
Frederick Yoo, MD

FARS: Fellow of American Rhinologic Society

PROGRAM COMMITTEE

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Mamie Higgins, MD
Ian Koszewski, MD, FARS
Sonya Marcus, MD
Frederick Yoo, MD, FARS

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Timothy Smith, MD, FARS
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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 pearls 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 (CRSwNP) 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.

General Information

Registration Hours

Thursday, July 13, 2023: 9:00 am – 5:00 pm

Friday, July 14, 2023: 7:00 am – 1:00 pm

Saturday, July 15, 2023: 7:00 am – 1:00 pm

NOTE: Registration will be located in the Presidio Foyer of the Park MGM/NoMad Hotel. Badges must be worn to enter meeting rooms and exhibit hall. *Children under the age of 16 are not permitted in the exhibit hall.*

Exhibit Hall Hours

Thursday, July 13, 2023: 12:00 pm – 5:00 pm

Friday, July 14, 2023: 7:00 am – 1:30 pm

Saturday, July 15, 2023: 7:00 am – 3:00 pm

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

WiFi

Complimentary internet access is available in the ARS Registration area, Exhibit Hall, General Session, and Breakout Rooms. Click on MGMResorts-Wifi and then click the box to “Accept the Terms and Conditions”.

Announcements

Attendees may post announcements regarding employment opportunities, professional or scientific meetings, on the table located outside the exhibit hall.

Cell Phones

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

Dress Code

Resort casual attire is suggested.

COVID-19 NOTICE

The ARS will continue to closely monitor the impact of the COVID-19 pandemic and put the necessary measures in place for the safety and health of all attendees and participants. At this time, masking at the ARS 12th Annual Summer Sinus Symposium is optional.

Speaker Ready Room

The Speaker Ready Room is located in Lincoln Boardroom on the 2nd floor and is open at the following times:

Thursday, July 13, 2023: 9:00 am – 3:00 pm

Friday, July 14, 2023: 7:00 am – 1:00 pm

Saturday, July 15, 2023: 7:00 am – 1:00 pm

Disclaimer

Attendees voluntarily assume all risks involved in travel to and from the symposium and in attendance of and participation in the program. The ARS shall not be liable for any loss, injury, or damage to person or property resulting directly or indirectly from any acts of God, acts of government or other authorities, civil disturbances, acts of terrorism, riots, thefts, or from any other similar cases.

Maintenance of Certification (MOC)

The American Board of Otolaryngology actively sponsors and manages the Maintenance of Certification program, details of which can be found at www.aboto.org. As a service to both the American Rhinologic Society and the Otolaryngology community at large, the *ARS 2023 Summer Sinus Symposium* will offer education regarding the MOC process, and much of the course content will be relevant to rhinologic components of the MOC examinations.

Accreditation Statement

The American Rhinologic Society (ARS) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation Statement

ARS designates this live activity for a maximum of 14.50 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

How to Obtain Your CME Certificate

A link to collect your CME certificate will be emailed to you following the conclusion of the meeting.



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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Silver Sponsor

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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

<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 CRSwNPAssess the evidence for how biologics fit into the current treatment strategiesFormulate 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 <ul style="list-style-type: none">Evaluate current findings in clinical research that have the potential to improve patient outcomesExamine new evidence in rhinology that can translate to clinical and operative practiceFormulate 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 surgeryDemonstrate key techniques for successful revision sinus surgeryEvaluate 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 dysfunctionDiscuss indications for balloon dilation of the eustachian tubeReview 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

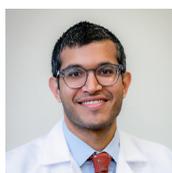
<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
7:00 am – 8:00 am Breakfast with Exhibitors in Griffith 1-6		
8:00 am – 8:45 am Marketing your rhinology practice in the modern era <ul style="list-style-type: none">Evaluate the current landscape of digital and social media to increase presence 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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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

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

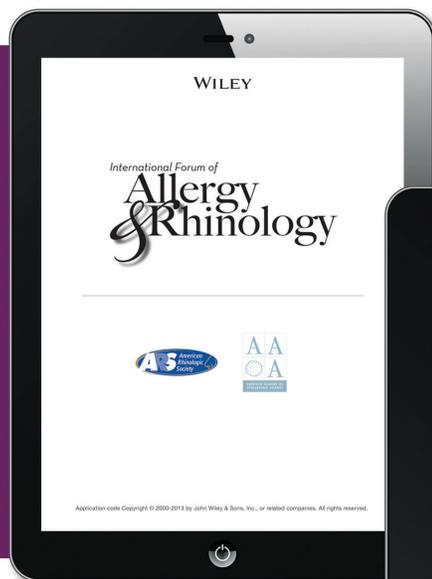
<u>Time/Topic</u>	<u>Moderator/Speaker</u>	<u>Panelists</u>
1:00 pm – 1:45 pm Pituitary surgery pearls and pitfalls <ul style="list-style-type: none">• Understand variations and technical considerations for the endoscopic endonasal approach to the sella• Discuss different reconstructive options and techniques 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 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 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		

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What to see in Las Vegas...

There are so many fun things to do in Las Vegas. With so many attractions and so little time, you're probably wondering where to start. Want to drive Ferraris, or go ziplining? Maybe other Las Vegas activities like taking in the best views of the Strip aboard the High Roller, shopping, and fine dining, are more your style.

There is plenty to do as a family if you travel to Las Vegas with your children. The most famous attraction is the Las Vegas Strip, but you will find a wide variety of other things to do, such as shows, rides, and even museums. Many hotels are attractions in themselves and include exciting architecture, gardens, fountains, volcanoes, and rides.

Las Vegas attractions are some of the best in the world, so come check out all the activities you can't do at home.

For further details on what to see, or visit: <https://www.visitlasvegas.com/> or <https://www.lasvegasnevada.gov/Visitors>



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