



EXHIBITOR GUIDE

ARS 70th Annual Meeting

September 27-28, 2024 | Fontainebleau Miami Beach, Miami, FL



Pete S. Batra, MD, FACS, FARS

Presidential Welcome

It was 70 years ago that Maurice Cottle and a group of visionaries founded the American Rhinologic Society with a clear mission: to foster exchange of knowledge, to promote research and education, and to elevate the standards of care for patients with sinonasal disorders. Over the decades, our society has grown, adapted, and thrived, becoming a beacon of excellence in sinonasal and skull base disorders in the global rhinologic community.

This milestone meeting will not disappoint. Dr. Kevin Welch, ARS Program Chair has developed a fantastic educational program that highlights cutting-edge rhinologic research. A key highlight of the ARS Annual Meeting is the David W. Kennedy Lectureship. This year,

Dr. Robert Naclerio will deliver the annual address on “Drug Development: From Discovery to the Clinic.” 3rd Annual Hwang Family Lectureship will be given by Dr. Alexander Chiu who will share his experience on “A Disruptive Career Path: Lessons From Great Teachers, Personal Failures and Risky Career Choices.” The remainder of the program will be filled with insightful panels and targeted conversations covering current state of research and patient care in CRS, surgery and chemotherapy for sinonasal malignancies, treatment options for AERD, academic medicine and surgeon scientists, management of rhinitis, and several other important topics.

The city of Miami, with its vibrant culture and stunning views, provides the perfect backdrop for the gathering. Beyond the stimulating scientific meeting, please take the time to enjoy the city’s rich art scene, world-class dining, and beautiful beaches.

It has been a profound privilege to serve as your President over the past year. I look forward to seeing you in Miami.

Pete S. Batra, MD, FACS, FARS
President, American Rhinologic Society



Kevin C. Welch, MD, FACS, FARS

Welcome from the President Elect and 70th Annual Meeting Program Chair

On behalf of the Program Committee, I'd excited to welcome you to the 2024 and 70th Annual Meeting of the American Rhinologic Society.

We meet again in Miami after a wonderful Summer Sinus Symposium and a comprehensive ARS @ COSM gathering. I'm excited to present a 2-day forum showcasing top notch scientific research and provocative discussion panels to the members of the American Rhinologic Society. This meeting covers the gamut of rhinology, allergy, and anterior skull base surgery. There's something for everyone here.

Make sure you have your reservations and calendars set. The meeting will take place September 27-28, 2024 at the Fontainebleau Hotel on Miami Beach.

The program will highlight 82 scientific talks, including the Top 10 and Highly Rated abstracts, and over 220 poster presentations. With 304 abstracts submitted, the members of the Abstract Review Committee worked exceptionally hard this year to get abstracts graded by the deadlines, and I thank them immensely. I'd also like to thank the Scientific Session moderators, the panel moderators, and panelists. No one turned down an offer, and collectively they've built an impressive program.

I'm honored to have Dr. Robert Naclerio present the David W. Kennedy lecture this year. The title of his presentation is "Drug Development: From Discovery to the Clinic." I am equally honored to share that one of my mentors, Dr. Alexander Chiu, will deliver the 3rd Annual Hwang Family Lecture. Dr. Chiu's talk is entitled "A Disruptive Career Path: Lessons Learned from Great Teachers, Personal Failures, and Risky Career Choices."

Friday will feature the Top 5 Basic Science and Top 5 Clinical abstracts, and we will round out the first day with a combined ARS and NIH panel exploring where the field of rhinology is headed. I'm honored to feature Dr. Eugene Kern, as he will deliver a fine lecture about Dr. Maurice Cottle, the founder of our society. The President's Reception will follow.

On Saturday, we will need 4 breakout rooms to showcase the impressive assortment of talks. You'll have access to presentations covering skull base and orbital disease, medical and surgical outcomes, cellular mechanisms of CRS, management of polyps, the microbiome, asthma, olfaction, social determinants of health, nasal dynamics, and allergy. Key panels will highlight several thought-provoking topics within these breakout rooms. Look for panels covering rhinitis, skin prick testing v. in vitro testing, the future of ARS-initiated research, polyp management, the management of CRS in the immunosuppressed patient, AERD management, the role of induction chemotherapy, and evolving systemic therapies for sinonasal malignancies. I'm also pleased to announce a very germane DEI panel that will discuss the pursuit of inclusivity in this changing landscape. To wrap up the day, our International Committee has assembled world-wide experts who will discuss the management of non-Type 2 CRS Inflammation. Lastly, we reunite with the AAOA as they host and moderate the combined AAOA/ARS panel. This one is sure to be a hot ticket: Empty Nose Syndrome.

In summary, I think the 70th Annual Meeting of the ARS is going to be a great one, and I hope to see you there.

Kevin C. Welch, MD, FACS, FARS
President Elect and Program Chair

MEETING WIFI
Network: ARS2024
Password: ARS2024!



ARS 70th Annual Meeting Industry Supporters

The American Rhinologic Society gratefully acknowledges the following companies for their support of the 70th Annual Meeting

GSK Medical
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Residents Course

Stryker
Residents Reception

Sanofi-Regeneron & Hemostasis Fiagon
**Rhinologists in Private Practice
RiPP Educational Forum:
Networking Event and Reception**

Exhibitors

Acclarent an Integra Lifesciences
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Advanced RX Compounding
Pharmacy
Aerin Medical
Amgen Medical
GSK

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Olympus America Inc.
Optinose
Prosidio
Sanofi Regeneron
Stryker
Xoran Technologies

ARS 70th Annual Meeting - Non-CME Sessions

Friday, September 27, 2024

12:00 pm – 12:50 pm

GSK Lunch Symposium/Product Theater

Location: Splash 17/18

Title: “EGPA for the ENT: Identifying Rare Eosinophilic Disease in Your ENT Practice”

Speaker: Michael Platt, MD; Ashoke Khanwalkar, MD; Jennifer Villwock, MD; Michael Wechsler, MD

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

Saturday, September 28, 2024

7:00 am – 7:50 am

GSK Breakfast Symposium/Product Theater

Location: Splash 7/8

Title: “What’s Driving Recurrent Disease in Your Patients”

Speakers: Mark Mehle, MD, and Philip Chen, MD, FARS

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

12:00 pm – 12:50 pm

Sanofi-Regeneron Lunch Symposium

Location: Splash 6/7

Title: “Disease Drivers in Chronic Rhinosinusitis with Nasal Polyposis (CRSwNP)”

Speaker: David W. Kennedy, MD, FARS

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

6:00 pm – 8:00 pm

Rhinologists in Private Practice Section

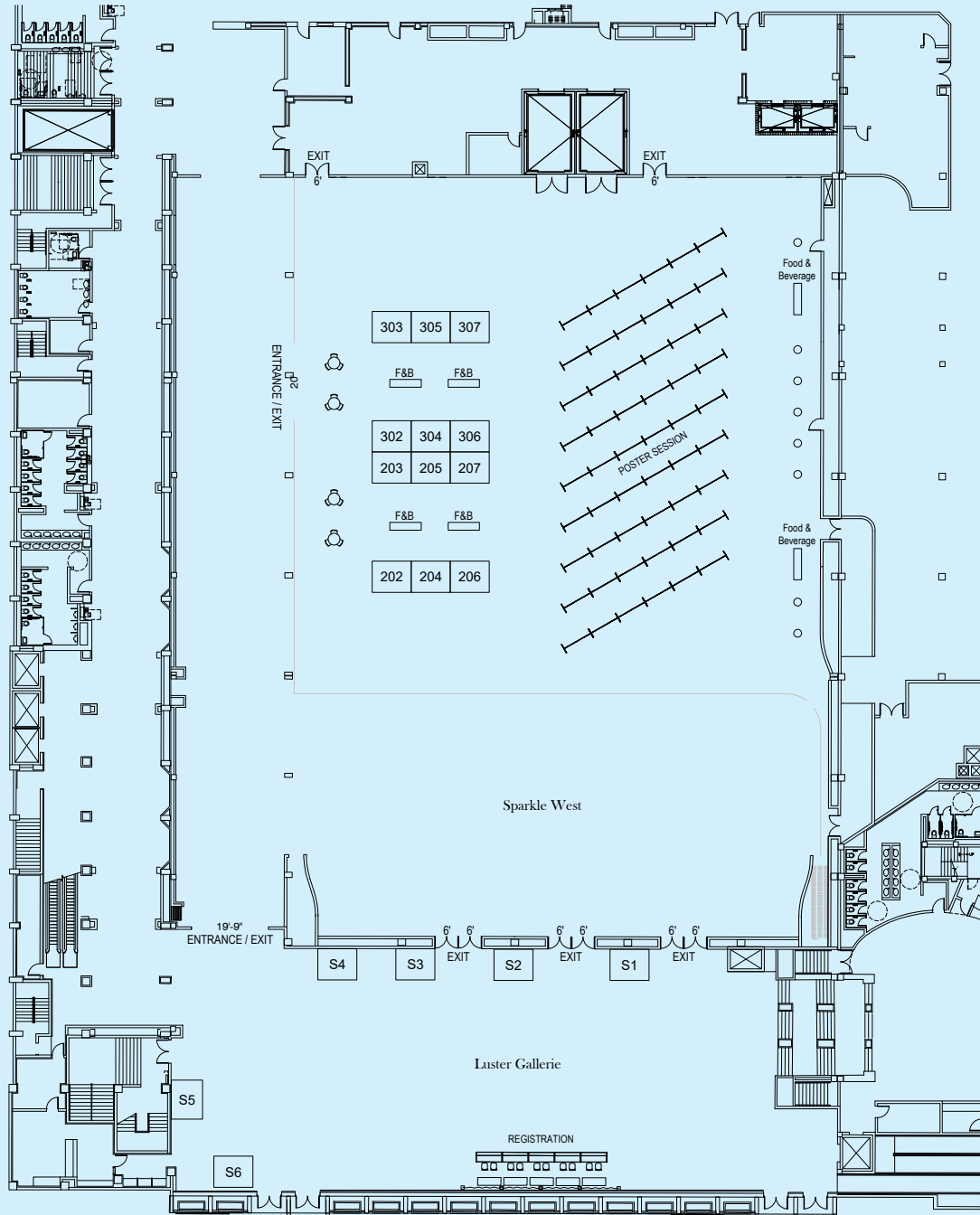
RiPP Education Forum: Networking Event and Reception

Fontainebleau Hotel – Ocean Lawn

Supported by Sanofi-Regeneron and Hemostasis Fiagon

ARS 70th ANNUAL MEETING

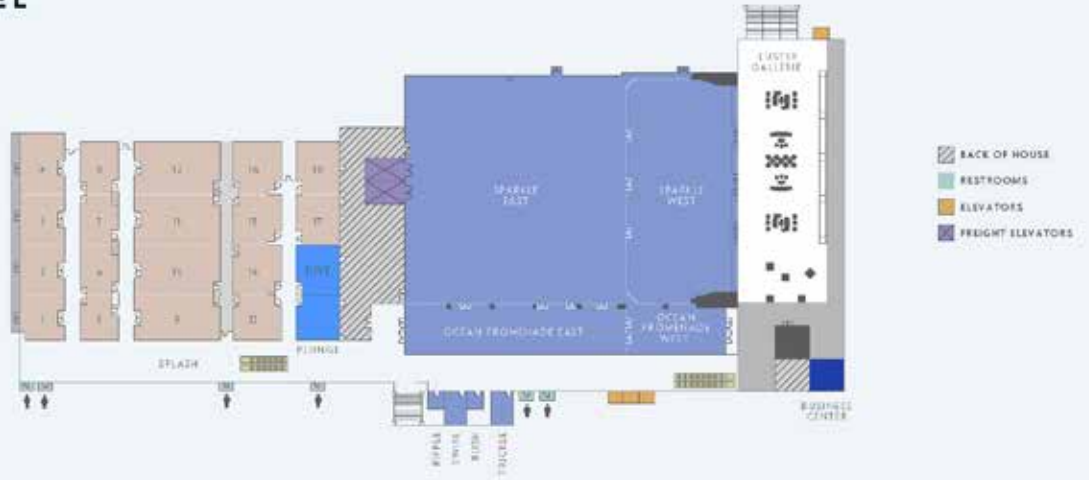
September 27-28, 2024
Fontainebleau Miami Beach Hotel, Miami Beach, FL
Sparkle Ballroom East & Luster Gallerie



Booth	Exhibitor	Booth	Exhibitor
202	Optinose US, Inc	307	Sanofi-Regeneron
203	GSK	S1	Acclarent an Integra Lifesciences company
204	Amgen Medical	S2	Olympus America Inc
205	Prosidio	S3	Aerin Medical
206	KARL STORZ United States	S4	Medtronic
207	NeilMed Pharmaceuticals	S5	Advanced RX Compounding Pharmacy
302	Xoran Technologies	S6	Neurent Medical
303	Stryker		
304 & 306	Hemostasis Fiagon		
305	Medical Center Specialty Pharmacy		

ARS 70th Annual Meeting - Floor Plan

UPPER LOBBY LEVEL



PROGRAM AT A GLANCE

**Thursday,
September 26, 2024****Residents Didactic Course**

Splash 9 & 10
12:00 pm – 5:00 pm
By Invitation Only

Residents Dissection Lab

Off-Site Location
Details for Shuttle Service
forthcoming
12:00 pm – 5:00 pm
By Invitation Only

Residents Reception

Splash 11 & 12
6:00 pm – 7:30 pm
By Invitation Only

**Friday,
September 27, 2024****Residents Didactic Course**

Splash 15 & 16
7:30 am – 12:00 pm
By Invitation Only

Residents Dissection Lab

Off-Site Location
Details for Shuttle Service
forthcoming
8:00 am – 12:00 pm
By Invitation Only

**Friday,
September 27, 2024****7:00 am – 12:00 pm
Splash 9-12**

7:00 am – 8:00 am
ARS Board of Directors Breakfast

8:00 am – 12:00 pm
ARS Board of Directors Meeting

**Friday,
September 27, 2024****1:00 pm – 5:00 pm
General Session
Sparkle Ballroom West**

1:00 pm – 1:05 pm
Welcome
Kevin Welch, MD, FARS

1:05 pm – 1:19 pm
President's Address
Pete Batra, MD, FARS

**Top Rated Abstracts - Basic
Science Presentations**

*Moderators: Kara Detwiller, MD,
FARS; Michael Kohanski, MD*

1:20 pm – 1:27 pm
**Stem cell therapy to treat Cystic
Fibrosis rhinosinusitis**
Dawn Bravo, PhD

1:28 pm – 1:35 pm
**Murine model of nose-to-brain
delivery of antibodies using
minimally invasive nasal depot
(MIND)**
Valentina Di Francesco, PhD

1:36 pm – 1:43 pm
**Deletion of Nrf2 enhances
susceptibility to type 2
inflammation after short term
PM2.5 exposure**
Murugappan Ramanathan, Jr., MD,
FARS

1:44 pm – 1:51 pm
**Sinus microbial community
changes in chronic rhinosinusitis
over one year**
Tary Yin, MBChB, BMedSc(Hons),
PhD

1:52 pm – 1:59 pm
**Therapeutic efficacy of the
Ciprofloxacin Azithromycin sinus
stent for p.aeruginosa sinusitis**
Do-Yeon Cho, MD

2:00 pm – 2:05 pm
Q&A

2:05 pm – 2:15 pm
**Awards Ceremony/IFAR Top
Reviewers Recognition**
Jean Kim, MD, FARS and Timothy
Smith, MD, FARS, (Editor in Chief,
IFAR)

2:15 pm – 3:00 pm
**20th Annual David Kennedy
Lectureship**
Guest Speaker: Robert Naclerio, MD
"Drug Development: From Discovery
to the Clinic"

3:00 pm – 3:30 pm
**Break with Exhibitors in Sparkle
Ballroom East**

**Top Rated Abstracts –
Clinical Abstracts**

*Moderators: Edward Kuan, MD,
FARS; Patricia Loftus, MD, FARS*

3:30 pm – 3:37 pm
**Steroid-eluting sinus stent versus
steroid rinse for maintaining
frontal sinus patency**
Maxime Fieux, MD, PhD

3:38 pm – 3:45 pm
**Long term outcomes of PRP
injections for post-viral olfactory
loss**
Maxime Fieux, MD, PhD

3:46 pm – 3:53 pm
**Pathologic dural invasion is
associated with regional
recurrence in olfactory
neuroblastoma**
Anthony Tang, BS

3:54 pm – 4:01 pm
**The effects of allergen
immunotherapy (AIT) post-surgery
in patients with central
compartment atopic disease
(CCAD)**
Christian Meerwein, MD

PROGRAM AT A GLANCE

4:02 pm – 4:09 pm

AI prediction of IP conversion to SCC using a multi-institutional CT dataset

Farideh Hosseinzadeh, MD

4:10 pm – 4:15 am

Q&A

4:15 pm – 5:00 pm

Panel: CRS: Where are we Headed in Research and Patient Care?

Moderators: Robert Kern, MD, FARS, and Joshua Levy, MD, FARS
 Panelists: Benjamin Bleier, MD, FARS; Amber Luong, MD, PhD, FARS; Bruce Tan, MD; Justin Turner, MD, FARS

5:00 pm – 5:10 pm

Maurice Cottle – Our Founder Tribute

Eugene Kern, MD

5:30 pm – 7:00 pm

President's Reception & Poster Reception

Ocean Promenade East and Sparkle Ballroom East

**Saturday,
September 28, 2024**

8:00 am – 12:00 pm

**Skull Base – Breakout 1
Sparkle Ballroom West**

Session Chair: Satyan Sreenath, MD

8:00 am – 8:30 am

Panel: “Carve it Out or Melt it Away – Induction Chemotherapy versus Upfront Surgery for Sinonasal Malignancies”

Moderator: Edward Kuan, MD, FARS
 Panelists: Nithin Adappa, MD, FARS; Raewyn Campbell, MD, FARS; Garret Choby, MD, FARS; Lauren North, MD

Moderators: Mindy Rabinowitz, MD, FARS; Kenneth Rodriguez, MD

8:30 am – 8:35 am

Validation of the sinonasal outcome test-22 in sinonasal malignancy

Cara Maya Fleseriu, BS

8:36 am – 8:41 am

Understanding endoscopy and imaging frequency for detection of sinonasal SCC recurrence

Saawan Patel, BBA

8:42 am – 8:47 am

Mutational burden assessment in sinonasal squamous cell carcinoma survival

Srivatsu Surya Vasudevan, MD, MS

8:48 am – 8:53 am

Orbital decompression in the biologic era: Is there still a need for surgery?

Daniel Gorelik, MD, MPH

8:54 am – 9:00 am

Q&A

Moderators: Mathew Geltzeiler, MD, FARS; Ashleigh Halderman, MD, FARS

9:00 am – 9:05 am

Retrolubar amphotericin B injections versus orbital exenteration in AIFRS outcomes

Nikitha Kosaraju, BA

9:06 am – 9:11 am

Assessing complications of functional endoscopic sinus surgery in a large national database

Justin Lau

9:12 am – 9:17 am

Extended approaches to the maxillary sinus and empty nose syndrome

Oloruntobi Rotimi, MBBS

9:18 am – 9:23 am

Upfront Draf III – Cost-effective in the long run?

David Lerner, MD

9:24 am – 9:29 am

Q&A

9:30 am – 9:45 am

Debate: Approaches to the Lateral Frontal Sinus

Moderator: Dennis Tang, MD, FARS
 Panelists: Nyssa Farrell, MD; Sanjeet Rangarajan, MD, FARS; Raj Sindwani, MD, FARS; Bradford Woodworth, MD, FARS

9:45 am – 10:15 am

Break with Exhibitors in Sparkle Ballroom East

Moderators: David Gudis, MD, FARS; Kibwei McKinney, MD

10:15 am – 10:20 am

Maxillary antrostomy alone versus complete sinus surgery for odontogenic sinusitis

John Craig, MD, FARS

10:21 am – 10:26 am

Long-term implications of short-term outcomes after ESS in CRS patients

Aditi Agarwal, MD, MS

10:27 am – 10:32 am

The effect of anticoagulant therapy on endoscopic sinus surgery postoperative outcomes

Kevin Herrera, BS

10:33 am – 10:38 am

Assessing the impact of GLP-1R agonists in post-sinus surgery management

David Hoying, BS

10:39 am – 10:45 am

Q&A

Moderators: Elisa Illing, MD, FARS; Peter Papagiannopoulos, MD

10:45 am – 10:50 am

Autologous vs synthetic inlay grafts have comparable skull base reconstructive outcomes

Theodore Nguyen, MD

PROGRAM AT A GLANCE

10:51 am – 10:56 am

Social vulnerability and quality of life before and after endoscopic skull base surgery

Jonathan Pang, MS

10:57 am – 11:02 am

Factors influencing CSF leak timing after ESBS

Ashleigh Halderman, MD, FARS

11:03 am – 11:08 am

Unilateral versus bilateral resection of olfactory neuroblastoma

Arash Abiri, PhD

11:09 am – 11:15 am

Q&A

11:15 am – 12:00 pm

Panel: Evolving Principles for Systemic Therapies in Management of Sinonasal Malignancy

Moderator: Mathew Geltzeiler, MD, FARS

Panelists: Nabil Saba, MD; Shirley Su, MD; Eric Wang, MD, FARS

12:00 pm – 1:00 pm

Lunch with Exhibitors in Sparkle Ballroom East

12:15 pm – 1:00 pm

Splash 9 & 10

ARS Fall Film FESStival**Saturday,
September 28, 2024**

8:00 am – 12:00 pm

CRS – Mechanisms and Outcomes**Breakout 2
Splash 9 & 10****Session Chair: Michael Marino,
MD, FARS**

8:00 am – 8:30 am

Panel: CRS in the Immunosuppressed Patient: A Decision-Making Conundrum

Moderator: Angela Donaldson, MD, FARS

Panelists: Roy Casiano, MD, FARS; Jacqueline Squire, MD; Bobby Tajudeen, MD, FARS

Moderators: Angela Donaldson, MD, FARS; Bobby Tajudeen, MD, FARS

8:30 am – 8:35 am

Elevated serum uric acid levels correlate with CRSwNP recurrence
Shaobing Xie, PhD

8:36 am – 8:41 am

Predictors for class switching in eCRS

Peta-Lee Sacks, MD, FRACS

8:42 am – 8:47 am

Sequencing-based viral identification in CRSwNP

Martin Desrosiers, MD

8:48 am – 8:53 am

Eosinophils fluctuation in CRSwNP

Wirach Chitsuthipakorn, MD

8:54 am – 9:00 am

Q&A*Moderators: Charles Ebert, MD, FARS; Regan Bergmark, MD, FARS*

9:00 am – 9:05 am

The crystal ball: Can we predict surgical outcomes for chronic rhinosinusitis patients?

Vijay Ramakrishnan, MD, FARS

9:06 am – 9:11 am

Outcomes of complete ESS for CRSwNP and AERD in the biologic era

Alan Workman, MD, MTR

9:12 am – 9:17 am

Early vs delayed functional endoscopic sinus surgery for patients with chronic rhinosinusitis

Radhika Duggal, MA

9:18 am – 9:23 am

17-year follow-up data of a randomized clinical trial on postoperative additive systemic steroids

Sarina Mueller, MD

9:24 am – 9:29 am

Q&A

9:30 am – 9:45 am

Debate: AERD: ASA Desensitization vs. Biologics

Moderator: Elina Toskala, MD, FARS

Panelists: Regan Bergmark, MD, FARS; Kent Lam, MD, FARS

9:45 am – 10:15 am

Break with Exhibitors in Sparkle Ballroom East*Moderators: Do-Yeon Cho, MD; Anthony DelSignore, MD, FARS*

10:15 am – 10:20 am

Long term outcomes of Dupilumab therapy for chronic rhinosinusitis with nasal polyposis

Samuel Shing, BS, BA

10:21 am – 10:26 am

Factors associated with switching biologics in CRSwNP: A multicenter Canadian experience

Marisa Dorling, BSc

10:27 am – 10:32 am

Budget impact analysis of biologics in CRSwNP

Maxime Fieux, MD, PhD

PROGRAM AT A GLANCE

10:33 am – 10:38 am

Cost utility analysis of EDS-FLU versus steroid nasal irrigation for nasal polyposis

Amber Luong, MD, PhD, FARS

10:39 am – 10:45 am

Q&A*Moderators: Jose Gurrola, MD; Devyani Lal, MD, FARS*

10:45 am – 10:50 am

Long-term efficacy of add-on Verapamil in topical steroid refractory CRSwNP

Marcel Miyake, MD, PhD

10:51 am – 10:56 am

Disease control vs overall symptom severity as a global metric for CRS disease status

Ryan Cotter, BS

10:57 am – 11:02 am

Associations of pesticide proximity with cytokine levels in patients with/without chronic sinusitis

Melodyanne Cheng, MS

11:03 am – 11:08 am

Sinonasal outcomes of CFTR modulators for Cystic Fibrosis: A meta-analysis

Michael Werner, MD

11:09 am – 11:15 am

Q&A

11:15 am – 12:00 pm

Panel: Interdisciplinary Workflows and Tips to Optimize Recalcitrant CRS OutcomesModerator: Devyani Lal, MD, FARS
Panelists: Rakesh Chandra, MD, FARS; Cecilia Damask, DO; Claire Hopkins, MBChB, PhD; Diego Saldana Perez, MD; Jacqueline Squire, MD;

12:00 pm – 1:00 pm

Lunch with Exhibitors in Sparkle Ballroom East

12:15 pm – 1:00 pm

Splash 9 & 10

ARS Fall Film FESStival**Saturday,
September 28, 2024**

8:00 am – 12:00 pm

CRS – Microbiology, Virology, and Comorbidities**Breakout 3**

Splash 11 & 12

Session Chair: Jacob Eide, MD

8:00 am – 8:30 am

Research/AiR Panel: “The Changing Face of Academic Medicine and Implications for Surgeon-Scientists”

Moderator: Vijay Ramakrishnan, MD, FARS

Panelists: Michael Kohanski, MD; Sandra Lin, MD, FARS; Murugappan Ramanathan, MD, FARS; Timothy Smith, MD, FARS; Michael Stewart, MD, FARS; Carol Yan, MD

Moderators: Stella Lee, MD; Carol Yan, MD

8:30 am – 8:35 am

Microbiome in patients with chronic rhinosinusitis: Exploring the role of obesity

Jorge Arpi, MD

8:36 am – 8:41 am

Metagenomics or metataxonomics: Best practice methods to uncover the truth of the sinus microbiome

Isabella Burdon, MBBS-V

8:42 am – 8:47 am

Microbiome and mycobion abundance and cytokine profile in sinus mucosa of patients w/wo CRS

Hong-Ho Yang, BS

8:48 am – 8:53 am

Viral infection as an inciting event for chronic sinusitis

Najm Khan, MBS

8:54 am – 9:00 am

Q&A*Moderator: Victoria Lee, MD, FARS; Kevin Welch, MD, FARS*

9:00 am – 9:05 am

Association of nasal mucus cytokines and clinical severity in CRS patients with comorbid asthma

Rory Lubner, MD

9:06 am – 9:11 am

Validation of AECRS definition

Katie Phillips, MD

9:12 am – 9:17 am

CRS eosinophil cut points and asthma

Wirach Chitsuthipakorn, MD

9:18 am – 9:23 am

Paradigms in treating eosinophilic granulomatosis with polyangiitis

Nitish Kumar, MS

9:24 am – 9:29 am

Q&A

9:30 am – 9:45 am

Debate: Nasal Polyp Subtypes: Do We Need to Tailor Treatment Plans?

Moderator: Corinna Levine, MD, FARS

Panelists: Kara Detwiller, MD; Jessica Grayson, MD; Elisa Illing, MD, FARS; Rodney Schlosser, MD, FARS

9:45 am – 10:15 am

Break with Exhibitors in Sparkle Ballroom East*Moderators: Corinna Levine, MD, FARS; Kristine Smith, MD*

10:15 am – 10:20 am

Olfactory ensheathing cell tumor culture model as a tool to study olfactory nerve biology

John Finlay, MD, PhD Student

10:21 am – 10:26 am

Impact of age on the accuracy of objective olfactory testing

Anil Patel, Mr.

PROGRAM AT A GLANCE

10:27 am – 10:32 am
Role of PRP in olfactory dysfunction treatment
 Shreya Mandloi, BS

10:33 am – 10:38 am
Taste and flavor remix: The effect of Dupilumab on AERD patients' chemosensory experience
 Emily Moldoff, FNP-C

10:39 am – 10:45 am
Q&A

Moderators: Angela Donaldson, MD, FARS; Erin O'Brien, MD, FARS

10:45 am – 10:50 am
Quantifying CRS health utility: Direct & indirect
 Wirach Chitsuthipakorn, MD

10:51 am – 10:56 am
Impact of patient factors on MCID for SNOT-22 in chronic sinusitis
 Felix E. Fernandez-Penny, BS

10:57 am – 11:02 am
Role of social determinants of health on quality of life in adult chronic rhinosinusitis
 Ryan Ziltzer, MD, MPH

11:03 am – 11:08 am
Socioeconomic status and gender impact sinus disease severity in people with Cystic Fibrosis
 Ethan Han, BS

11:09 am – 11:15
Q&A

11:15 am – 12:00 pm
Panel: Pursuing Inclusive Excellence in a Changing Landscape
 Moderator: Jose Mattos, MD
 Panelists: Tracy Downs, MD; Erin O'Brien, MD, FARS; Joan E. St. Onge, MD, MPH, FACP

12:00 pm – 1:00 pm
Lunch with Exhibitors in Sparkle Ballroom East

12:15 pm – 1:00 pm
 Splash 9 & 10
ARS Fall Film FESStival

Saturday, September 28, 2024

8:00 am – 12:00 pm
Outpatient Rhinology and Allergy Practice - Breakout 4
 Splash 14-16

Session Chair: Karen Bednarski, MD, FARS

8:00 am – 8:30 am
Panel: Rhinitis: How to Evaluate and Manage This Underappreciated Condition
 Moderator: Anthony Del Signore, MD, FARS
 Panelists: Mary Ashmead, MD; Karen Bednarski, MD, FARS; Seth Brown, MD, FARS; Christopher Davis, MD; Kathleen Tibbetts, MD

Moderators: Mary Ashmead, MD; Karen Bednarski, MD, FARS

8:30 am – 8:35 am
Rhinorrhea recurrence after intranasal cryoablation: A multicenter cohort study
 Curtis Mack, Medical Student

8:36 am – 8:41 am
Cryoablation of the posterior nasal nerve in children
 Nisreen Al-Musaileem, MD

8:42 am – 8:47 am
Impact of septal deviation in temperature-controlled radiofrequency treatment of the nasal valve
 William Yao, MD, FARS

8:48 am – 8:53 am
Intranasal trigeminal function in aging adults
 Noah Feit, MD

8:54 am – 9:00 am
Q&A

Moderators: James W. Mims, MD; Jennifer Villwock, MD

9:00 am – 9:05 am
Intralesional sclerotherapy more effective for epistaxis in HHT
 Nitish Kumar, MS

9:06 am – 9:11 am
Selective neurovascular cauterization during turbino-plasty reduces rhinitis symptoms
 Alexander Zhang, MBBS

9:12 am – 9:17 am
Nasal outcomes of rhinitis medicamentosa: Validation of the NORM form
 Brekel Kemp, MD, MPH

9:18 am – 9:23 am
Intranasal mucosal sensitivity to mechanical airjet stimulation among ENS and septoturb patients
 Ahmad Odeh, BS

9:24 am – 9:29 am
Q&A

9:30 am – 9:45 am
Debate: "Allergy Testing: Skin Testing v. In Vitro Testing"
 Moderator: Sandra Lin, MD, FARS
 Panelists: James W. Mims, MD; Jennifer Villwock, MD

9:45 am – 10:15 am
Break with Exhibitors in Sparkle Ballroom East

Moderators: Greg Davis, MD, FARS; David Yen, MD

10:15 am – 10:20 am
Factors associated with high-risk ergonomic posture during office-based rhinology procedures
 Orli Weiss, Medical Student

10:21 am – 10:26 am
Environmental impact of nasal endoscopy
 Darpan Kayastha, MD

All information was taken from the original abstract submission

PROGRAM AT A GLANCE

10:27 am – 10:32 am

Perioperative pollen exposure affects chronic rhinosinusitis outcomes after endoscopic sinus surgery

Benton Tullis, BS

10:33 am – 10:38 am

Ambient particulate matter and frequency of outpatient visits for chronic rhinosinusitis in the US

Hong-Ho Yang, BS

10:39 am – 10:45 am

Q&A

Moderators: Jean Kim, MD, FARS; Elina Toskala, MD, FARS

10:45 am – 10:50 am

Generic competition and prices for azelastine-fluticasone nasal spray

Vinay Rathi, MD

10:51 am – 10:56 am

Persistent reduction of total serum IgE in CRSwNP after ESS with short course Dupilumab

Leandra Mfuna Endam, Coordinator, Clinical Affairs

10:57 am – 11:02 am

Dupilumab-associated adverse events in children vs adults: An analysis of the FAERS database

Elias Saba, MD

11:03 am – 11:08 am

The impact of sinonasal corticosteroid irrigations on glycemic control: A retrospective analysis

Anthony Botros, MD, MBA

11:09 am – 11:15 am

Q&A

11:15 am – 12:00 pm

RiPP Panel: “What’s Your Side Gig? Capturing Additional Income

Moderator: David Yen, MD

Panelists: Greg Davis, MD, FARS; Douglas Reh, MD, FARS; Stacey Silvers, MD, FARS; Geoffrey Trenkle, DO

12:00 pm – 1:00 pm

Lunch with Exhibitors in Sparkle Ballroom East

12:15 pm – 1:00 pm

Splash 9 & 10

ARS Fall Film FESStival

Saturday, September 28, 2024

1:00 pm – 5:00 pm

General Session**Sparkle Ballroom West**

1:00 pm – 1:15 pm

ARS Business Meeting and Presidential Citations

Pete Batra, MD, FARS; Michael Stewart, MD, FARS; Kevin Welch, MD, FARS

1:15 pm – 2:00 pm

3rd Annual Hwang Family Lectureship

Guest Speaker: Alexander Chiu, MD, FARS

“A Disruptive Career Path: Lessons From Great Teachers, Personal Failures and Risky Career Choices”

Moderators: Anthony Del Signore, MD, FARS; Kristine Smith, MD

2:00 pm – 2:05 pm

Prevalence of Cystic Fibrosis carrier status in chronic rhinosinusitis without nasal polyps

Do-Yeon Cho, MD

2:06 pm – 2:11 pm

Olfactory cleft opacification and outcomes improve with expanded intranasal steroid treatment

Alan Workman, MD, MTR

2:12 pm – 2:17 pm

Inflammatory endotypes in CRSwNP: Implications for postop outcomes

Christina Dorismond, MD, MPH

2:18 pm - 2:23 pm

Autonomic dysfunction and olfactory loss in long COVID

Eve Champaloux, MD, PhD

2:24 pm – 2:30 pm

Q&A

Moderators: Benjamin Bleier, MD, FARS; Stephanie Smith, MD

2:30 pm – 2:35 pm

Immunophenotyping invasive fungal sinusitis survival

Lauren Roland, MD

2:36 pm – 2:41 pm

Deep learning approach for automated frontal sinus opacification assessment on CT scan

Caio Athayde Neves, MD, PhD

2:42 pm – 2:47 pm

PAR2 activated IL13 Ra1 in eCRS

Ching-Chih Lee, MD, PhD

2:48 pm – 2:53 pm

Olfactory fossa opacification on CT scan is correlated to nasal IL-5 in chronic rhinosinusitis

Radhika Duggal, MA

2:54 pm – 3:00 pm

Q&A

3:00 pm – 3:30 pm

Break with Exhibitors in Sparkle Ballroom East

3:30 pm – 4:15 pm

International Panel: “Real World Management of Non-Type 2 CRS Inflammation: A Case-Based Discussion”

Moderator: Do-Yeon Cho, MD

Panelists: Hector de la Garza, MD; Islam Herzallah, MD, PhD; Jin-Young Min, MD, PhD; Rodolfo Nazar, MD

PROGRAM AT A GLANCE

4:15 pm – 5:00 pm

Panel: ARS/AAOA – Empty Nose Syndrome: Just a Bunch of Hot Air?

Moderator: Haidy Marzouk, MD
 Panelists: Pete Batra, MD, FARS;
 Seth Brown, MD, FARS; Sandra Lin,
 MD, FARS; R. Peter Manes, MD,
 FARS; Jayakar Nayak, MD;
 Masayoshi Takashima, MD, FARS

5:00 pm

Meeting Concludes

POSTERS

Poster #A001

A case of orbital necrotizing fasciitis originating from sinonasal pathology

Nishat Momin, MD

Poster #A002

A descriptive analysis of characteristics of CRSwNP patients within US clinical practice

Joseph Han, MD

Poster #A003

A double dilemma: A novel case series of concomitant anterior and lateral cerebrospinal fluid leaks

Nathaniel Untch, BS

Poster #A004

A novel presentation of sinonasal seromucinous hamartoma

Shady Soliman, MD, MS

Poster #A005

A review of IIH management options after spontaneous CSF leak

Ahmad Odeh, BS

Poster #A006

WITHDRAWN

Poster #A007

Analyzing disparities in head and neck cancer among Hispanic populations and the role of HPV

Cristina Benites, MBS

Poster #A008

Anemia in nasal fracture

Aman Patel, BS

Poster #A009

Anterior ethmoid artery ligation for epistaxis: A systematic review

Wynne Zheng, MA

Poster #A010

Anterior skull base MRI framework for otolaryngologists

Thomas Scharfenberger, BS

Poster #A011

Antigen specific IgE in nasal secretion

Shoji Matsune, MD, PhD

Poster #A012

Apophysomyces elegans rhino-orbitocerebral infection in immunocompetent individuals

Gabriel Dayan, MD

Poster #A013

AR and VR in rhinology review

Shaun Edalati, BS

Poster #A014

Artificial intelligence driven automated performance metrics in endoscopic skull base surgery

David Grimm, MS

Poster #A015

Aspiration pneumonitis: An overlooked consequence of CSF rhinorrhea - A systematic review

Maria Armache, MD

Poster #A016

Assessing adult sinusitis guidelines: A comparative analysis of AAO-HNS and AI chatbots

Shaun Edalati, BS

Poster #A017

Assessment of TikTok as a patient education resource in chronic rhinosinusitis

Nima Derakhshan, BSc

Poster #A018

Association of nutritional vitamin intake and sinonasal infections

Stella Lee, MD

Poster #A019

Association of obesity with chronic adenoiditis and chronic rhinosinusitis in children

Erica McArdle, MD

Poster #A020

WITHDRAWN

Poster #A021

Association of race and insurance status with endoscopic anterior skull base surgery outcomes

Shvetali Thatte, BS

Poster #A022

Attitudes toward COVID-19 among patients with chronic rhinosinusitis

Richard Chiu, BS

Poster #A023

Baseline characteristics of patients with CRSwNP in the United States in the AROMA global registry

David W. Jang, MD

Poster #A024

Biologic Claims by Otolaryngologists

Ariana Shaari BA

Poster #A025

Carolyn's window Asian noses

Wirach Chitsuthipakorn, MD

Poster #A026

Case report and literature review of prostate cancer metastases to the sphenoid sinus

Jessa Miller, MD

Poster #A027

Characteristic CT findings in silent sinus syndrome

Nicholas Fung, MD

Poster #A028

Characteristics of patients initiating Dupilumab for CRSwNP by number of previous surgeries

Jayant Pinto, MD

PROGRAM AT A GLANCE

Poster #A029

Characteristics of patients with/without prior sinonasal surgery initiating Dupilumab for CRSwNP

Joseph Han, MD, FARS

Poster #A030

Cholesterol granuloma of the posterior ethmoid presenting as proptosis: Case presentation

Luis Fernando Macias-Valle, MD, FARS

Poster #A031

Chronic granulomatous invasive fungal sinusitis in the United States

Andrea Cespedes Zablah, BS

Poster #A032

Chronic rhinosinusitis diagnostic rates during the COVID-19 pandemic

Kevin Herrera, BS

Poster #A033

Chronic rhinosinusitis in endoscopic sinus surgery

Akash Patel, BS

Poster #A034

Clear cell carcinoma presenting in the nasal cavity

Margaret B. Mitchell, MD, MS-HPed

Poster #A035

Clearing the air: The link between particulate matter exposure and the severity of AERD

Stella Lee, MD

Poster #A036

Clinical and radiographic characterization of central compartment atopic disease

Thomas Cyberski, BS

Poster #A037

WITHDRAWN

Poster #A038

Clinical predictors of endoscopic modified medial maxillectomy

Saad Alshammari, MD

Poster #A039

Comparative effectiveness of medical and surgical treatments for chronic rhinosinusitis

Amani Kais, MD

Poster #A040

Comparison of steroid implants to repeat ESS for recurrent NP on HCRU in CRSwNP patients

Xiaomin Deng, PhD

Poster #A041

Contemporary practice patterns for chronic rhinosinusitis with nasal polyposis

Noel Ayoub, MD

Poster #A042

Corticosteroid and antibiotic use before and after initiating Dupilumab: CRSwNP real-world practice

Stella E. Lee, MD

Poster #A043

Cost and carbon emissions analysis of a multidisciplinary complex airway clinic

Austin Heffernan, MD

Poster #A044

COVID's impact on sinus surgery

Ariana Shaari, BA

Poster #A045

CT angiography's role in characterizing vascular injury from sphenoid sinus fractures

Eugene Oh, BS, MSE

Poster #A046

CT scan findings in mucormycosis with proptosis

Mohsen Naraghi, MD, FARS

Poster #A047

Current menstruation/oral contraceptive use and serum allergen-specific immunoglobulin E levels

Khamis Suleiman, BS

Poster #A048

WITHDRAWN

Poster #A049

DEI in clinical research

Randall Ow, MD, FARS

Poster #A050

Detecting nasal endoscopy landmarks using a CNN

Vinayak Ganeshan, MD

Poster #A051

Development of a novel nasal microsampling device to standardize the analysis of protein biomarkers

Eldin Rostom, BEng

Poster #A052

Diabetes mellitus in endoscopic sinus surgery

Akash Patel, BS

Poster #A053

Diagnostic value of serum IgE levels for allergic fungal rhinosinusitis

Brian Cameron, MD

Poster #A054

Disparities in nasal fracture care & surgical outcomes

Daniel Karasik

Poster #A055

Disparities in sinonasal malignancy treatment

Daniel Karasik

Poster #A056

Does a validated patient-reported outcome measure exist for rhinosinusitis in children?

Isabelle Williams, MB Bchir

Poster #A057

WITHDRAWN

Poster #A058

Does Dupilumab therapy for chronic rhinosinusitis with nasal polyposis reduce nasal steroid use?

Samuel Shing, BS, BA

PROGRAM AT A GLANCE

Poster #A059

Double trouble: Synchronous HPV associated nasal carcinomas on an immune dysfunctional background
Jerin Thomas, BS

Poster #A060

WITHDRAWN

Poster #A061

Dural diverticula: Radiographic and clinical implications
Pooya Roodzor, MD, MPH

Poster #A062

Early intra-sinus migration of a long-term frontal sinus stent
Joshua Smith, MD

Poster #A063

Effect of lidocaine/oxymetazoline spray on endoscopically visualized secretions
Aatin Dhanda, BA

Poster #A064

Effect of Tezepelumab on sleep in patients with severe uncontrolled asthma and nasal polyps
Christopher S. Ambrose, MD

Poster #A065

Effects of steroid usage in diabetic COVID-19 patients on invasive fungal sinusitis incidence
Jenny Ji

Poster #A066

Efficacy and safety of LYR-210 for CRS from the pivotal Phase 3 ENLIGHTEN 1 trial
Vineeta Belanger, PhD

Poster #A067

Endoscopic combined antrostomies for odontogenic maxillary sinusitis
Yoichiro Narikawa, MD

Poster #A068

Endoscopic endonasal marsupialization of recurrent petrous apex cholesteatoma
Emily Hardy, BS

Poster #A069

Endoscopic management of medial and inferior orbital wall fractures: A systematic review
Jeremy Ruthberg, MD

Poster #A070

Endoscopic repair of nasal septal perforation with cadaveric costal cartilage
Parker Tumlin, MD

Poster #A071

Enhancing care in chronic rhinosinusitis with nasal polyposis
Mary Grecco

Poster #A072

Environmental exposure methods in rhinology
Conner Massey, MD

Poster #A073

Evaluation of olfactory disorders in COVID-19 patients
Mio Takeuchi, MD

Poster #A074

Evaluation of safety and effectiveness of Novapak™ in patients undergoing sinus surgery
Mark Tabor, MD

Poster #A075

WITHDRAWN

Poster #A076

Extradural pneumocephalus with subcutaneous emphysema following skull base surgery: Case report
Matthew Cheung, BS

Poster #A077

Extramedullary plasma cell neoplasm in the nasal cavity
Guillermo Ramirez Vazquez, MD

Poster #A078

Fluid and electrolyte disorders in closed nasal fractures
Akash Patel, BS

Poster #A079

Forever chemicals: PFAS exposure and effects on sinonasal health
Stella Lee, MD

Poster #A080

Frailty and its impact in rhinology patients
Guillermo Maza Malave, MD

Poster #A081

Frontal sinus IP
Alexis Kim

Poster #A082

Frontal sinus simulation training for practicing ENTs
Mackenzie Latour, MD

Poster #A083

Grades of PRNN guide endoscopic skull base surgery
Benjian Zhang, MD

Poster #A084

Gross total resection and margin status in very advanced (T4b) sinonasal adenoid cystic carcinoma
Derek Liu, MD

Poster #A085

High prevalence of sinonasal symptoms in untreated OSA patients
Yixuan Zheng, MD

Poster #A086

Hispanic Nose
Belen Terreros, MD

Poster #A087

HLA mismatch and chronic rhinosinusitis in kidney transplants
Estephania Candelo Gomez, MD, MSc

Poster #A088

Hospital region by closed nasal bone fractures
Shivani Mehta, BS

PROGRAM AT A GLANCE

- Poster #A089
How likely are patients who receive a CT scan of the sinuses to progress to sinus surgery?
Jaime Yrastorza, BS
- Poster #A090
Impact of age on outcomes of open orbital fracture repair
Aman Patel, BS
- Poster #A091
Impact of anosmia on subsequent mental health disorders
Shahzeb Hasan, MD
- Poster #A092
Impact of commission on cancer accreditation on survival outcomes in sinonasal malignancy
Yoni Sacknovitz, BA
- Poster #A093
Impact of surgical cost awareness on surgical expenditure for endoscopic sinus surgery
Chase Kahn, MD
- Poster #A094
Impact of topical Levaquin rinses on chronic rhinosinusitis
Ali Baird, MD
- Poster #A095
Impact of topical Mupirocin rinses on chronic rhinosinusitis
Vidit Talati, MD
- Poster #A096
Improving readability of patient education materials with ChatGPT
Austin Swisher, MD
- Poster #A097
Inflammatory arthritis-associated chronic rhinosinusitis
Amrita Bhat, BS
- Poster #A098
Intersection of demographic and academic productivity trends among American rhinology fellows
Morgan McCain
- Poster #A099
Intractable epistaxis by “nontraumatic” ICA aneurysm
So Watanabe, MD, PhD
- Poster #A100
Investigating the relationship between olfactory dysfunction and vitamin intake
Stella Lee, MD
- Poster #A101
Lateral lamella of cribriform plate and risk of anterior skullbase injury
Urmila Gurung, MBBS, MS
- Poster #A102
Left-digit bias in surgical management of chronic rhinosinusitis
Alexander Wang, BS
- Poster #A103
Living with chronic rhinosinusitis: An arts-based study
Jenny Xiao, MSc
- Poster #A104
Local anaesthetic sinus surgery: A patient experience
Miran Pankhania, MBChB
- Poster #A105
Localization of mucus using machine learning
Vinayak Ganeshan, MD
- Poster #A106
Low resource pituitary complications
Katherine Tai, MD
- Poster #A107
Machine learning for sinonasal mass classification
Lirit Levi, MD
- Poster #A108
Malignant transformation rate of sinonasal inverted papilloma in immunocompromised patients
Jason Crossley, MD
- Poster #A109
Management of exophytic papillomas with malignant transformation into squamous cell carcinoma
Pranati Pillutla, MD
- Poster #A110
Mental health in endoscopic sinus surgery
Shivani Mehta, BS
- Poster #A111
Middle turbinate release with preservation versus MT sacrifice in expanded endonasal skull base surgery
Axel Renteria, MD, MS
- Poster #A112
MIF drives macrophage M2 polarization facilitating CRSwNP recurrence
Shaobing Xie, PhD
- Poster #A113
MMP1 predicts IP severity
Kush Panara, MD
- Poster #A114
NAO and athletic performance
Randall Ow, MD, FARS
- Poster #A115
Nasal cycling and nasal function
Michelle Kim
- Poster #A116
Nasal nitric oxide in PCD after mucus debridement
John Henrich, MD
- Poster #A117
WITHDRAWN
- Poster #A118
Nasal septal abscess associated with ulcerative colitis
Masakazu Murayama, MD
- Poster #A119
New device for management of epistaxis
Tanveer Janjua, MD

PROGRAM AT A GLANCE

- Poster #A120
Noninvasive devices for congestion
Aurelia Monk, BA
- Poster #A121
NP-related exacerbations and treatments in patients with CRSwNP treated with mepolizumab
Martin Maldonado-Puebla
- Poster #A122
Obesity in septoplasty
Aman Patel, BS
- Poster #A123
Office-based blue laser vs. coblation therapy for inferior turbinate hypertrophy
Anne Marie Daou, MD
- Poster #A124
Olfaction and lifestyle after COVID-19
Jeremy Tervo, Medical Student
- Poster #A125
Olfactory dysfunction in patients with allergic fungal rhinosinusitis
Eunice Im
- Poster #A126
Olfactory neuroblastoma
Mohsen Naraghi, MD, FARS
- Poster #A127
Orbital exenteration vs preservation: A meta-analysis of overall survival rate
Smile Kajal, MD
- Poster #A128
Outcomes after pediatric functional endoscopic sinus surgery
Sofia Olsson, BS
- Poster #A129
Outcomes of AIFRS with and without cranial nerve involvement
Maxwell Weng, BSE
- Poster #A130
Outcomes using topical steroid suspended in Chitogel instead of post-operative systemic steroids
Alexander Zhang, MBBS
- Poster #A131
Over-the-counter nasal sprays
Lily Trinh, MD
- Poster #A132
Oxygenation outcomes in patients undergoing septoplasty
Margaret B. Mitchell, MD, MS-HPed
- Poster #A133
Paranasal sinus evolution and purpose
Landon Ebbert
- Poster #A134
Perioperative antibiotic use in functional endoscopic sinus surgery in pediatric patients
Sofia Olsson, BS
- Poster #A135
WITHDRAWN
- Poster #A136
Persistence and adherence with Dupilumab in CRSwNP
Zhixiao Wang, PhD
- Poster #A137
Pilot program for nasosinus endoscopic surgery training
Daniela Vicencio, MD
- Poster #A138
Pneumosinus dilatans with incidentally discovered septal meningioma
Pranati Pillutla, MD
- Poster #A139
Postmarket safety profile of Orkambi: An analysis of FAERS database
Ashton Rogers, BS
- Poster #A140
Postoperative oral steroid use for chronic rhinosinusitis: A systematic review and meta-analysis
Justina Shafik, BS
- Poster #A141
Postoperative pain after functional endoscopic sinonasal surgery in chronic rhinosinusitis
Valeria Cepeda, MD
- Poster #A142
Post-operative septal perforations among diabetic and non-diabetic patients
Drew Smith, MD, MS
- Poster #A143
Predictors of hospital admission in CSF rhinorrhea repair: A national retrospective analysis
Shiven Sharma, JD
- Poster #A144
Predictors of postoperative complications in pediatric transnasal microscopic pituitary surgery
Sofia Olsson, BS
- Poster #A145
Prevention of the frontal sinus ostium restenosis after endoscopic extended frontal sinus surgery
Naruo Shoji, MD, PhD
- Poster #A146
PROMs report sclerotherapy to be effective and beneficial in HHT-epistaxis
Pedro Lanca Gomes, MD
- Poster #A147
Proposed algorithm for spontaneous cerebrospinal fluid leaks
Shreya Mandloi, BS
- Poster #A148
Pyogenic granulomas in the head and neck
Michael Werner, MD, PhD
- Poster #A149
Race in airway foreign bodies
Shivani Mehta, BS

PROGRAM AT A GLANCE

Poster #A150

Race in CRSwNP

Arthur Wu, MD, FARS

Poster #A151

Rare fungal sinusitis in a 61-year-old female

Ariana Shaari, BA

Poster #A152

Readability of AI generated rhinology patient education materials

Amani Kais, MD

Poster #A153

Real-time nasal endoscopic analysis with machine learning

Vinayak Ganeshan, MD

Poster #A154

Real-world impact of Mepolizumab on CRSwNP in biologic-naïve patients

Juan Carlos Cardet

Poster #A155

Recommendations for post-operative surveillance after resection of uncommon benign sinonasal tumors

Iulia Tapescu, PhD

Poster #A156

Recurrent inverted papilloma requiring rhinectomy, anterior skull base resection, & reconstruction

Joshua Smith, MD

Poster #A157

Regional density of and neuropeptide expression in cadaveric nasal submucosal glands

Madeline Goosmann, MD

Poster #A158

Resolution of pulmonary symptoms following CSF leak repair: A case report and literature review

Ann Birmingham, BA

Poster #A159

Revision rates in sinonasal endoscopic surgery

Daniel Karasik

Poster #A160

Rhinitis medicamentosa - RM10 questionnaire to assess symptoms and withdrawal treatment protocol

Tom Raz Yarkoni, MD

Poster #A161

Rhinologic procedural volume trends during and after the COVID-19 pandemic

Kevin Herrera, BS

Poster #A162

Rhinology open payments

Aatin Dhanda, BA

Poster #A163

Risk and outcomes of chronic rhinosinusitis after COVID-19 Infection

Miti Parikh, BA

Poster #A164

Risk factors associated with prolonged length of stay in CSF rhinorrhea repair

Tony Chung, MS

Poster #A165

Risk factors for inpatient treatment of orbital cellulitis

Amani Kais, MD

Poster #A166

Risk factors for mental health disorders in sinonasal malignancies

Rahul Guda, AB

Poster #A167

Risk of nasal septal perforation following nasal packing for epistaxis in the emergency department

Radhika Duggal, MA

Poster #A168

Role of the weekend effect in patients admitted for facial fractures

Aman Patel, BS

Poster #A169

Running on fumes: Volatile organic compounds (VOCs) and sinonasal symptomatology

Stella Lee, MD

Poster #A170

Saddle nose deformity and nasal septal perforation in GPA vs. non-GPA

Nitish Kumar, MS

Poster #A171

Sex in facial fractures

Akash Patel, BS

Poster #A172

SII in CRS: Investigating prognostic efficacy

Abdullah Memon, BS

Poster #A173

Sinonasal and ear malignancies and socioeconomic status

Henrique Ochoa Scussiatto, MD, PhD

Poster #A174

Sinonasal inverted papilloma – relevance of radiological anatomy in disease recurrence

Lalee Varghese, MS, DLO, DNB

Poster #A175

Sinonasal malignancies with orbit invasion

Seung Cheol Han, MD

Poster #A176

WITHDRAWN

Poster #A177

Sinus surgery and stroke in chronic rhinosinusitis

Anthony Saad, BA

Poster #A178

SinusMAP: A national peer mentorship program

Martin Desrosiers, MD

Poster #A179

SNOT-22 questionnaire completion trends

Luv Amin, BS

PROGRAM AT A GLANCE

- Poster #A180
Society membership preferences of rhinology fellowship graduates: An educational survey
Corinna Levine, MD, MPH
- Poster #A181
Socioeconomic deprivation and the incidence and healthcare utilization for chronic rhinosinusitis
Hong-Ho Yang, BS
- Poster #A182
Socioeconomic impact of AIFRS
Jakob Fischer, MD
- Poster #A183
Structured histopathology reporting in chronic rhinosinusitis
Giovanni Lampasona, MD
- Poster #A184
Subjective outcomes after EMLP
Ying Piao Wang, MD, PhD
- Poster #A185
Surgical management of moderate to severe epistaxis in HHT: System
Ezer Benamin, MD
- Poster #A186
Surgical outcomes in combined rhinoplasty and endoscopic sinus surgery
Soraya Fereydooni
- Poster #A187
SVI in sinonasal disease
Theresa Dickerson, MS
- Poster #A188
The effect of BMI on treatment outcomes in chronic rhinosinusitis
Samuel Shing, BS, BA
- Poster #A189
The first reported pediatric free flap reconstruction for advanced maxillary sinus osteoblastoma
Anthony Botros, MD, MBA
- Poster #A190
The impact of bacterial infection and high tissue eosinophilia on outcomes of revision ESS
Catherine Policina, MD
- Poster #A191
The impact of neo-osteogenesis on outcomes of revision ESS: A single-center experience
Catherine Policina, MD
- Poster #A192
The ophthalmologic crescent blade in endonasal surgery
Firas Sbeih, MD
- Poster #A193
The role of perceived social support in chronic rhinosinusitis
Anahita Nourmahnad, MD
- Poster #A194
The tubes, an endoscopic technique for the comprehensive assessment
Osama Marglani
- Poster #A195
Time is money: An analysis of cost drivers in ambulatory sinus surgery
David Lerner, MD
- Poster #A196
To evaluate multiple clinical complications and management of chronic suppurative otitis media
Sheikh Sajjad Ali, MBBS, FCPS, FACS
- Poster #A197
WITHDRAWN
- Poster #A198
Transnasal endoscopic sphenopalatine artery ligation (TESPAL) in the Medicare population
Jake Stenzel, MS
- Poster #A199
Treatments and outcomes in early-stage olfactory neuroblastoma
Minju Kim, MD
- Poster #A200
Trends in number of women speakers
Soroush Farsi
- Poster #A201
TRPM8 and rational inferior turbinate surgery
Francesca Viola, MD
- Poster #A202
Tuning in: Synchrony of eustachian tube dysfunction and sinus disease severity in AERD patients
Stella Lee, MD
- Poster #A203
Update on rhinitis of pregnancy
Randall Ow, MD, FARS
- Poster #A204
Use of artificial intelligence to develop novel research ideas in chronic rhinosinusitis
John Behnke, MD
- Poster #A205
Utility of modified frailty index for functional endoscopic sinus surgery outcomes
Trisha Shang, BA
- Poster #A206
Utilization of biologics in US patients with CRSwNP in 2018-2023
Sandra Sze-jung Wu, MD
- Poster #A207
Validating a cadaveric training model for endoscopic orbital tumor resection
Nada Ali, MD, MPH
- Poster #A208
Validation of the trilayer graft technique for closure of anterior skull base defects
Jacquelyn Callander, MD
- Poster #A209
Variability of spray characteristics of intranasal corticosteroids
Bingkai Chen
- Poster #A210
Variation in national postoperative debridement patterns
Christopher Roxbury, MD, FARS

PROGRAM AT A GLANCE

Poster #A211

Weight loss in sinonasal malignancy

Aman Patel, BS

Poster #A212

World Trade Center exposure levels and incidence of sinonasal surgery

Horacio Romero Castillo, MD/MSCR
Candidate

Exhibitors



ACCLARENT, AN INTEGRA LIFESCIENCES COMPANY – Showcase S1

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ADVANCED RX COMPOUNDING PHARMACY – Showcase S5

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

Advanced Rx is an ENT-only compounding pharmacy specializing in steroid, antibiotic, and antihistamine nasal rinses at affordable prices.

Exhibitors



AERIN MEDICAL – Showcase S3

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Aerin Medical is a privately held, venture-backed company, with U.S. offices in California and Texas. Aerin's mission is to expand access to meaningful relief for millions of patients suffering from chronic ENT conditions. The company's products, VivAer® for nasal airway obstruction and RhinAer® for chronic rhinitis, leverage Aerin's proprietary temperature-controlled technology, which allows ENT physicians to reliably improve patients' symptoms with unique technologies that are appealing alternatives to invasive surgery. More than 100,000 patients have been treated with Aerin Medical products to date.



Amgen Medical – Booth 204

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Amgen harnesses the best of biology and technology to fight the world's toughest diseases, and make people's lives easier, fuller and longer. We helped establish the biotechnology industry, and we remain on the cutting-edge of innovation, using technology and human genetic data to push beyond what's known today.



GSK – Booth 203

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GSK is a global biopharma company with a powerful purpose - to unite science, technology, and talent to get ahead of disease together – to positively impact the health of billions of people. We are focused on delivering a new generation of vaccines and medicines, using the science of the immune system, human genetics, and advanced technologies to get ahead of infectious diseases, HIV, immunology, and oncology.

Exhibitors



HEMOSTASIS FIAGON

Optimizing treatment and healing

Hemostasis Fiagon – Booth 304/306

5000 Township Parkway
St. Paul, MN 55110

Phone: 651-855-1466

Email: Customerservice@hemostasisllc.com

Website: www.hemostasisllc.com/

Hemostasis Fiagon collaborates with our surgeon partners to develop cutting-edge technologies to advance surgical procedures and patient outcomes.



KARL STORZ United States – Booth 206

2151 E. Grand Avenue
El Segundo, CA 90245

Phone: 800-421-0837

Email: communications@karlstorz.com

KARL STORZ — Enables Early ENT diagnosis and intervention at any site of care.

KARL STORZ delivers enterprise-wide, scalable endoscopic imaging systems, surgical instrumentation, Operating Room integration and best-in-class service. Focusing on the Quadruple Aim of lower costs, better outcomes, improved clinician satisfaction and better patient experience. *Enabling Anywhere Care*



MEDICAL CENTER SPECIALTY PHARMACY – Booth 305

912 S. 16th Street
Wilmington, NC 28401

Phone: 910-763-1896

Email: forbes.herring@mcspsc.com

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

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 help keep costs low for patients. Our 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!

Exhibitors

Medtronic

MEDTRONIC – Showcase #S4

710 Medtronic Pkwy
 Minneapolis, MN 55432
 Phone: 763-514-4000
 Email: rs.customerevents@medtronic.com
 Website: <https://www.medtronic.com>
 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.

NeilMed®

NEILMED PHARMACEUTICALS, INC. – Booth 207

601 Aviation Blvd.
 Santa Rosa, CA 95403
 Phone: 707-324-0620 Fax: 707-525-3785
 Email: ashly.guntz@neilmed.com
 Website: <https://www.neilmed.com>

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 the website www.neilmed.com for more details.

NEURENTMedica

NEURENT MEDICAL – Showcase S6

150 Grossman Drive
 Suite 203
 Braintree, MA 02184
 Contact Phone: 508-560-6464
 Email: marketing@neurentmedical.com
 Website : <https://www.neurentmedical.com>
 Twitter: <https://twitter.com/neurentmedical>
 Instagram: <https://www.instagram.com/neurentmedical/>

Neurent Medical is pioneering innovative treatments for chronic inflammatory sinonasal diseases by targeting and safely disrupting hyperactive autonomic nerves that drive underlying inflammation. With its proprietary NEUROMARK® technology with a unique design and advanced algorithmic control, physicians can precisely target and safely disrupt multiple underlying nerve branches in a single procedure to alleviate Chronic Rhinitis symptoms and improve patient quality of life. The venture capital-backed company is headquartered in Galway, Ireland with the US office located in Braintree, MA.

Exhibitors



OLYMPUS AMERICA INC. – Showcase S2

3500 Corporate Parkway
Center Valley, PA 18034
Phone: 800-401-1086
Email: louis.lariviere@olympus
Website: <https://medical.olympusamerica.com/>
Twitter: <https://twitter.com/OlympusMedUS>
Instagram: <https://www.instagram.com/olympusamericas/>

One Partner. More Solutions. With Innovation Every Step of the Way. Olympus® ENT builds on a legacy of innovation, offering healthcare professionals quality across specialties, versatility in care settings, and partnerships beyond transactions. Our diverse portfolio addresses patient and provider needs with imaging and video systems, portable products for accessible care, enhancing workflow efficiencies, and a trusted brand across specialties and care settings—from clinic consumables to OR innovations. Through comprehensive service, ongoing education, flexible financing, and tailored leasing options, Olympus empowers ENT healthcare professionals to support quality patient care.



OPTINOSE US, INC. – Booth 202

1020 Stony Hill Road
Yardley, PA 19067
Phone: 267-364-3500
Email:
Website: <https://www.optinose.com>

Optinose is a specialty pharmaceutical company focused on creating and bringing to market innovative products for patients with diseases treated by ear, nose, and throat (ENT) and allergy specialists.



PROSIDIO – Booth 205

168B Irving Avenue, Suite 302C
Port Chester, NY 10573
Phone: 914-510-2314
Email: sales@prosidio.com
Website: <https://www.prosidio.com>

PROSIDIO designs and manufactures industry-leading, cost-effective endoscopic and microscopic medical devices that deliver high-resolution images and advanced visual technologies while improving the quality of treatment by physicians, healthcare professionals, and hospitals.

Exhibitors



SANOFI-REGENERON – Booth 307

Since 2007, Regeneron and Sanofi have collaborated to help people with debilitating and complex conditions that are often difficult to diagnose and treat, using innovative technology platforms. Regeneron is a leading science-based biopharmaceutical company that invents, develops and commercializes medicines to treat serious medical conditions. Sanofi is an innovative global healthcare company that provides potentially life-changing treatment options and life-saving vaccine protection to millions of people globally. For more information, please visit www.Regeneron.com and www.Sanofi.com.



STRYKER – Booth 303

1941 Stryker Way
Portage, MI 49002
Phone: 800-253-3210
Email: Barbara.sharpe@stryker.com
Website: <https://www.stryker.com/ent>
Facebook: <https://www.facebook.com/StrykerENT>
Instagram: <https://www.instagram.com/strykerent/?hl=en>

Stryker, a global leader in medical technologies offers products and services in MedSurg, Neurotechnology, Orthopaedics and Spine that help improve patient and healthcare outcomes. www.stryker.com



XORAN TECHNOLOGIES – Booth 302

5210 S. State St.
Ann Arbor, MI 48108
Phone: 734-660-1181
Email: Jeremy.layman@xorantech.com
Website : <https://xorantech.com/>
Linkedin: <https://www.linkedin.com/company/xoran-technologies/?viewAsMember=true>
Instagram: <https://www.instagram.com/xorantechnologies/>

Xoran Technologies LLC is the innovator and market leader in compact, specialized medical CT scanners. We are a company at the crossroads between innovation and commercialization, and passionate about bringing fresh, common-sense solutions to patient care. We have committed ourselves to offering CT imaging that provides a convenient and simple solution for both patients and doctors. We are devoted to meet the needs of today's physicians and aid them in providing an accurate diagnosis using our low radiation dose scanners. Our product line consists of the MiniCAT™ in-office CT scanner, the xCAT® ENT mobile intraoperative CT scanner, and XoranConnect®, a web-based medical image viewing and archival tool. All of our products were designed to eliminate waste and inefficiency in healthcare.



SAVE THE DATE 2025



COSM 2025 May 15-16, 2025 Hyatt Regency New Orleans New Orleans, LA

Highlights:

- Keynote speakers
- President's Reception
- Expert panels
- Cutting edge research
- Poster presentations



ARS 14th Annual Summer Sinus Symposium

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

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

Highlights:

- Women in Rhinology Networking Event
- Cadaver Prosections
- Allergy Program
- Signature Event
- Symposia Sessions



ARS 71st Annual Meeting October 10-11, 2025 Indianapolis, IN

Highlights:

- Annual David Kennedy Lectureship
- Women in Rhinology, Mentorship, Residents & Fellows, and Diversity Programs
- Annual Hwang Family Lectureship
- Symposia Sessions
- Fall Film FESStival
- Guest Countries

Contact: Wendi Perez, ARS Executive Administrator
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Twitter / Facebook / Instagram: @amrhinosociety