September 27-28, 2024 | Miami, FL

## PROGRAM AT A GLANCE



#### **Credit Designation Statement**

ARS designates this live activity for a maximum of 10.75 AMA PRA Category 1 Credit(s) $^{\text{TM}}$ . Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### 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** 

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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 postviral 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) postsurgery in patients with central compartment atopic disease (CCAD)

Christian Meerwein, MD

4:02 pm - 4:09 pm

Al 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 Surva Vasudevan, MD, MS

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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

Retrobulbar 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

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

Lunch with Exhibitors in Sparkle Ballroom East

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 postsinus 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

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

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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

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

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### American Rhinologic Society

## PROGRAM AT A GLANCE

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 Outcomes

Moderator: 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 mycobiome 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

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Moderator: Victoria Lee, MD, FARS; Kevin Welch, MD,

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.

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

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### 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 temperaturecontrolled radiofrequency treatment of the nasal

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

A&O

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

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 cautery during turbinoplasty 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 Testina

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

10:27 am – 10:32 am

Perioperative pollen exposure affects chronic rhinosinusitis outcomes after endoscopic sinus surgery

Benton Tullis, BS

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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 azelastinefluticasone 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

**3<sup>rd</sup> 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

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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

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

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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

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

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## PROGRAM AT A GLANCE



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

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