

ARS 70th Annual Meeting

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)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Thursday, September 26, 2024

Residents Didactic Course

Splash 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

Luster Gallerie
6:30 pm – 8:00 pm
By Invitation Only

Friday, September 27, 2024

Residents Didactic Course

8:00 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
Ocean Promenade East

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
Treatment of diffuse intrinsic pontine glioma by MIND delivery of a stapled p53 peptide
Andy Chua, MBBS, MRCS, MMed, FAMS, FARS

2:00 pm – 2:05 pm
Q&A

2:05 pm – 2:15 pm
Awards Ceremony
Jean Kim, MD, FARS

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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

Bruna Rafaela Castro, MD

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

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 – 7:30 pm

President’s Reception & Poster Reception

Ocean Promenade 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

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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

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

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: Glenn Hanna, MD; Nabil Saba, MD; Shirley Su, MD; Eric Wang, MD, FARS

12:00 pm – 1:00 pm

Ocean Promenade West

ARS Fall Film FESSstival

12:00 pm – 1:00 pm

Lunch with Exhibitors in Sparkle Ballroom East

12:00 pm – 1:00 pm

DEI/WiR Combined Lunch Program

Ocean Promenade East

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Saturday, September 28, 2024

8:00 am – 12:00 pm

Chronic Rhinosinusitis – Breakout 2
Splash 9

Session Chair:

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:

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:

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

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

Moderators: Jose Gurrola, MD, FARS; 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

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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

Expression and functional analysis of cystatin SN in a humanized mouse model of type 2 CRS

Di Huang, PhD

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; Satish Govindaraj, MD, FARS; Claire Hopkins, MBChB, PhD; Diego Saldana Perez, MD; Jacqueline Squire, MD

12:00 pm – 1:00 pm

Lunch with Exhibitors in Sparkle Ballroom East

Saturday, September 28, 2024

8:00 am – 12:00 pm

**Chronic Rhinosinusitis – Breakout 3
Splash 11 & 12**

Session Chair:

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:

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

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 Polyps Subtypes: Do We Need to Tailor Treatment Plans?

Moderator: Corinna Levine, MD, FARS

Panelists: Jessica Grayson, MD; Elisa Illing, MD, FARS; Nicholas Rowan, MD; Rodney Schlosser, MD, FARS

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9:45 am – 10:15 am

Break with Exhibitors in Sparkle Ballroom East

Moderators:

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

Stella Lee, MD

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

Mohamed Aboueisha, MD

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: DEI

Moderator: Jose Mattos, MD

Panelists: Erin O'Brien, MD, FARS

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 Tibbets

Moderators:

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:

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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

Kanghyun Kim, 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:

10:15 am – 10:20 am

Factors associated with high-risk ergonomic posture during office-based rhinology procedures

Shaun Edalati, BS

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

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

Long-term efficacy and safety of SCIT in monosensitized and polysensitized AR children

Xuan Yuan, 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

Skin prick test response, symptom severity and efficacy of SCIT in AR

Xuan Yuan, 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

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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; 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

2:30 pm – 2:35 pm

Immunophenotyping invasive fungal sinusitis survival

Lauren Roland, MD

2:36 pm – 2:41 pm

Therapeutic efficacy of the ciprofloxacin azithromycin sinus stent for P.aeruginosa sinusitis

Do-Yeon Cho, MD

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-Type2 CRS Inflammation: Case-Based Discussion”

Moderator: Do-Yeon Cho, MD

Panelists: Hector de la Garza, MD; Jin-Young Min, MD, PhD; Rodolfo Nazar, MD; Saartje Uyttebroek, Dr.

4:15 pm – 5:00 pm

Panel: ARS/AAOA – ENS

Moderator: AAOA

Panelists: Pete Batra, MD, FARS; Seth Brown, MD, FARS; R. Peter Manes, MD, FARS; + 2AAOA

5:00 pm

Meeting Concludes

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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

Analysis of sentiment regarding transsphenoidal surgery in the Cushing's subreddit

Rose Dimitroyannis, BA

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

Association of pesticide exposure and self-reported hay fever

Chengetai Mahomva, MD

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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

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

Clinical and safety outcomes of the endoscopic modified Lothrop procedure

Sagar Mittal, MBBS

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

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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

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

Caio Athayde Neves, MD, PhD

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

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