

PRESENTATIONS - PROGRAM AT-A-GLANCE

MEETING HIGHLIGHTS

- 2 days, 2-afternoon breakout sessions
- 82 oral scientific presentations
- 175 poster presentations
- Exciting and informative panels covering particulate matter and the effects on upper and lower airways, skull base surgery outcomes, biologics v. surgery, the management of the nasal valve, and establishing diversity programs.
- Women in Rhinology Breakfast Session
- Combined ARS and AHNS Panel
- Multidisciplinary participation involving Rhinology, Allergy & Immunology, Neurosurgery, Pulmonary and Critical Care, and Endocrinology
- High-impact discussions and debates covering surgical v. medical management of recurrent acute rhinosinusitis, mucosal coverage following Draf III surgeries, de-escalation of medical therapy, and alternative therapies for smell loss
- Maximum of 10.5 AMA PRA Category 1 Credit(s)[™]

Wednesday, May 15, 2024 Morning Session - Grand Ballroom CD 8:00 am – 12:00 pm CST

7:00 am – 8:00 am

Women in Rhinology Session

Guest Speaker: Dana M. Thompson, MD, MS, MBA, FACS
"Allyship in the pathway beyond the 'glass ceiling'"

8:00 am – 8:05 am

Welcome

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

Oral Presentations: Top Basic Science

Moderators: Benjamin Bleier, MD, FARS; Stella Lee, MD; Elina Toskala, MD, FARS

8:05 am – 8:13 am

Calcitriol restores olfactory impairment in mice with smoke induced sinusitis

Jennifer Mulligan, PhD

8:14 am – 8:22 am

In-clinic eosinophil peroxidase level as a diagnostic test of eosinophilic CRS

Jacquelyn Callander, MD

8:23 am – 8:31 am

D-2-hydroxyglutarate suppresses IgE production in murine allergic rhinitis

Anuj Tharakan, PhD

8:32 am – 8:40 am

Complement activation correlates with impaired olfactory function in CRSwNP

Sufiya Ali, BA

8:41 am – 8:49 am

The role of MMP-11 in inverted papilloma migration and transformation

Kush Panara, MD

8:50 am – 8:55 am

Q&A

8:56 am – 9:05 am

Awards Ceremony

Jean Kim, MD, FARS

9:05 am – 9:45 am

PANEL: Targeted ESS plus Biologics vs. Complete ESS and Local Therapies – False Choice or Our Future?

Moderator: James Palmer, MD, FARS

Panelists: David Gudis, MD, FARS; Douglas Reh, MD, FARS; Sarah Wise, MD, FARS

9:45 am – 10:15 am

Break with Exhibitors

Oral Presentations: Top Clinical Abstracts

Moderators: Adam DeConde, MD; Angela Donaldson, MD, FARS; Ashleigh Halderman, MD, FARS

10:15 am – 10:23 am

Long term air pollution and genetic predisposition in chronic rhinosinusitis

Murugappan Ramanathan, MD, FARS

10:24 am – 10:32 am

An eosinophil peroxidase activity assay predicts acute exacerbations in post-operative chronic rhinosinusitis

Conner Massey, MD

10:33 am – 10:41 am

Characterizing conflicts of interest in biologics literature for CRSwNP

Christina Liu, MS

10:42 am – 10:50 am

CRS type 2 biomarkers correlate with baseline SNOT-22 rhinologic domain independent of nasal polyp status

Nikita Chapurin, MD, MHS

10:51 am – 10:59 am

Oxymetazoline to predict turbinate reduction surgery outcome: prospective, single-blinded, CFD study

Zachary Root, BS

11:00 am – 11:05 am

Q&A

11:05 am – 11:55 am

Panel: Air Pollution and Particulate Matter: Implications in Upper and Lower Airway Disease

Moderator: Regan Bergmark, MD, MPH, FARS

Panelists: G.R. Scott Budinger, MD; Peter Hwang, MD, FARS; Stella Lee, MD; Murugappan Ramanathan, MD, FARS

11:55 am – 12:00 pm

Q&A

12:00 pm – 1:00 pm

Lunch with Exhibitors

Wednesday, May 15, 2024

Afternoon Session – Grand Ballroom CD

1:00 pm – 5:00 pm CST

Moderators: Michael Kohanski, MD; Kristine Smith, MD

1:00 pm – 1:06 pm

Predictors of control in biologic treated eosinophilic chronic rhinosinusitis

Lu Hui Png, MD

1:07 pm – 1:13 pm

Need for biologic rescue in CRSwNP following endoscopic modified lothrop procedure

Keven Ji

1:14 pm – 1:20 pm

Chitosan-based encapsulation for controlled topical drug release in rhinosinusitis

Do-Yeon Cho, MD

1:21 pm – 1:27 pm

FDA-approved biologics for chronic rhinosinusitis with nasal polyps: An analysis of FAERS data

Radhika Duggal, MA

1:28 pm – 1:34 pm

Histopathology of recalcitrant maxillary sinusitis requiring endoscopic medial maxillectomy

Vidit Talati, MD, MS

1:35 pm – 1:41 pm

Trends in Dupilumab utilization for nasal polyposis

Daniel Xiao

1:42 pm – 1:48 pm

Prevalence of primary humoral immunodeficiency based on CRS endotype

Chioma Anidi, BA

1:49 pm – 1:55 pm

Q&A

Moderators: Charles Ebert, MD, FARS; R. Peter Manes, MD, FARS

1:56 pm – 2:02 pm

Examining race and chronic rhinosinusitis' effects on asthma in unified airway diseases

Evan Patel, MS

2:03 pm – 2:09 pm

Social factors associated with treatment completion in aspirin exacerbated respiratory disease

Shravan Asthana, BS

2:10 pm – 2:16 pm

Frailty is associated with endotypic shifts in cytokine profiles in chronic rhinosinusitis

Mason Krysinski, MD

2:17 pm – 2:23 pm

Sniffing out frailty: A prospective case-control study assessing olfactory subdomains and frailty

Michael Cheng, MD

2:24 pm – 2:30 pm

Area deprivation index and CRS

Amarbir Gill, MD

2:31 pm – 2:37 pm

Assessing the efficacy of shared decision-making in the management of chronic rhinosinusitis

Vivienne Li, BA

2:38 pm – 2:45 pm

Q&A

2:45 pm – 3:15 pm

Break with Exhibitors

3:15 pm – 3:30 pm

Targeting Discussions and Debates: De-escalation of Therapies in CRS

Moderator: Vijay Ramakrishnan, MD, FARS

Panelists: Elisa Illing, MD, FARS; Anju Peters, MD

Moderators: Kibwei McKinney, MD; Charles Tong, MD, FARS

3:31 pm – 3:37 pm

University of Washington quality of life subdomain outcomes after treatment in sinonasal malignancy

Sabrina Maoz, PhD

3:38 pm – 3:44 pm

Are routine lumbar drains necessary after endoscopic resection of anterior skull base tumors?

Jacob Harris, BA

3:45 pm – 3:51 pm

Longer-term surveillance imaging and endoscopy needed in majority of sinonasal malignancy recurrence

Alan Workman, MD, MTR

3:52 pm – 3:58 pm

The role of induction chemotherapy for orbital invasion in sinonasal malignancies

Anthony Tang, BS

3:59 pm – 4:05 pm

Outcomes of endoscopic endonasal resection for pediatric craniopharyngiomas

David Lerner, MD

4:05 pm – 4:11 pm

Q&A

4:12 pm – 4:55 pm

Panel: How Do We Measure Success in Endoscopic Skull Base Surgery?

Moderator: Gurston Nyquist, MD, FARS

Panelists: Odelia Cooper, MD; Ashleigh Halderman, MD, FARS; Stephen Magill, MD; Chirag Patel, MD, FARS

4:55 pm – 5:00 pm

Q&A

5:00 pm – 5:30 pm

ARS Business Meeting

5:30 pm – 7:00 pm

ARS President's Reception
Plaza Ballroom

Wednesday, May 15, 2024

Afternoon Concurrent Session – Grand Hall MNL

1:00 pm – 5:00 pm CST

Moderators: Nicholas Rowan, MD; Stephanie Smith, MD

1:00 pm – 1:06 pm

Inhalational exposure history is associated with differential sinonasal gene expression profiles

Cameron Worden, MD

1:07 pm – 1:13 pm

Arachidonic acid metabolites in nasal mucus distinguish chronic rhinosinusitis from non-sinusitis

Marisa Griesel

1:14 pm – 1:20 pm

Particulate matter may increase polyp risk

Rory Lubner, MD

1:21 pm – 1:27 pm

Purine metabolism is upregulated in chronic rhinosinusitis: Implications for injury

Maria Villanueva, BS

1:28 pm – 1:34 pm

Sinonasal transcriptome study of chronic rhinosinusitis with and without asthma

Nitish Kumar, MBBS, MS

1:35 pm – 1:41 pm

Mediation of LPS-induced inflammation with pro-resolving treatment in human nasal polyp tissue

Vijay Ramakrishnan, MD, FARS

1:42 pm – 1:48 pm

Machine learning to identify nasal mucus biomarkers associated with olfactory loss in patient

Jennifer Mulligan, PhD

1:49 pm – 1:55 pm

Q&A

Moderators: Do-Yeon Cho, MD; Devyani Lal, MD, FARS

1:56 pm – 2:02 pm

Impact of LYR-220 on ethmoid opacification and CRS symptoms in the BEACON study

Brent Senior, MD, FARS

2:03 pm – 2:09 pm

EDS-FLU for CRS: Prior ESS subgroup analysis

Sarah Wise, MD, FARS

2:10 pm – 2:16 pm

Topical steroids for CRSsNP: A systematic review and meta-analysis

Akash Bhat, BS

2:17 pm – 2:23 pm

A cost utility analysis for the management of acute exacerbations of chronic rhinosinusitis

Matthew Chu, MD

2:24 pm – 2:30 pm

Incidence of infections during AECRS in CRS adults

Nirushan Narendran, MS

2:31 pm – 2:37 pm

Comparative effectiveness of medical and surgical treatment for recurrent acute rhinosinusitis

Connor Hunt, BS

2:38 pm – 2:45 pm

Q&A

2:45 pm – 3:15 pm

Break with Exhibitors

3:15 pm – 3:30 pm

Targeted Discussions and Debates: RARS Surgery v. Medical Management

Moderator: Sandra Lin, MD, FARS

Panelists: Chadi Makary, MD, FARS; Jennifer Villwock, MD

Moderators: Victoria Lee, MD, FARS; Kenneth Rodriguez, MD

3:31 pm – 3:37 pm

Linguistic gender differences in rhinology fellowship LORs: A multi-institutional temporal study

Vikram Vasan, BA

3:38 pm – 3:44 pm

The impact of cadaveric donor transplant on the development of chronic rhinosinusitis

Estephania Candelo, MD, MSc

3:45 pm – 3:51 pm

ETDQ-7 poorly predicts eustachian tube dysfunction in patients with tinnitus

Najm Khan, MBS

3:52 pm – 3:58 pm

Effectiveness of hypertonic saline post-endoscopic sinus surgery

Rodolfo Giffoni

3:59 pm – 4:05 pm

Spending, utilization, and coverage for CRSwNP therapies among Medicare Advantage beneficiaries

Akash Bhat, BS

4:05 pm – 4:11 pm

Q&A

4:12 pm – 4:55 pm

Panel: “Challenges in Pediatric Rhinology”

Moderator: David Gudis, MD, FARS

Panelists: Angela Donaldson, MD, FARS; Amrita Ray, MD, FARS; Chadi Makary, MD, FARS

4:55 pm – 5:00 pm

Q&A

5:00 pm – 5:30 pm

ARS Business Meeting

5:30 pm – 7:00 pm

**ARS President’s Reception
Plaza Ballroom**

Thursday, May 16, 2024

Afternoon Session – Grand Ballroom AB

1:00 pm – 5:05 pm CST

7:00 am – 12:00 pm

**ARS Board of Directors Meeting
Plaza Ballroom**

Moderators: David Gudis, MD, FARS; Elisa Illing, MD, FARS

1:00 pm – 1:06 pm

Autoimmune dysregulation in children with chronic rhinosinusitis

Sairisheel Gabbireddy, MD

1:07 pm – 1:13 pm

National pediatric acute invasive fungal sinusitis outcomes over a 13-year period

Matthew Wu, MD

1:14 pm – 1:20 pm

Symptom prioritization for the treatment chronic rhinosinusitis in people with cystic fibrosis

Christine Liu, BS

1:21 pm – 1:27 pm

Impact of elexacaftor/tezacaftor/ivacaftor on rates of FESS in cystic fibrosis

Graham Pingree, BA

1:28 pm – 1:32 pm

Q&A

Moderators: Charles Ebert, MD, FARS; Caitlin McLean, MD

1:33 pm – 1:39 pm

Machine learning predicts presence of sinonasal inflammation on CT using patient-generated data

Arun Raghavan, MD

1:40 pm – 1:46 pm

Multi-institutional validation of an AI-based sinus CT analytic algorithm

Conner Massey, MD

1:47 pm – 1:53 pm

3D surgical planning software to improve resident frontal sinusotomy

Andrew Kelly, MD

1:54 pm – 2:00 pm

The use of a convolutional neural network to automate radiologic scoring of CT sinuses

Daniel Lee, MD, FRCSC

2:01 pm – 2:05 pm

Q&A

Moderators: Peter Papagiannopoulos, MD; Bobby Tajudeen, MD, FARS

2:06 pm – 2:12 pm

Investigating efficacy and toxicity of topical agents for the treatment of CRS

Sam Hale, BMedSc(Hons), MBChB

2:13 pm – 2:19 pm

Orbital decompression for thyroid eye disease: Outcomes by preoperative severity and technique

Lazaro Peraza, MD

2:20 pm – 2:26 pm

Post-operative outcomes of benign orbital tumor resection are independent of tumor size & morphology

Angela Zhu, BA

2:27 pm – 2:33 pm

Virtual reality and wearable devices after skull base surgery

Vivek Pandrangi, MD

2:34 pm – 2:40 pm

AI-modified and generated patient education materials for skull base surgery

Michael Warn, BS

2:40 pm – 2:45 pm

Q&A

2:45 pm – 3:15 pm

Break with Exhibitors

3:15 pm – 3:30 pm

Targeted Discussions and Debates: Draf III and Other Drill-Outs: The Mucosal Coverage Controversy

Moderator: Jivianne Lee, MD, FARS

Panelists: Pete Batra, MD, FARS; Jessica Grayson, MD, FARS

Moderators: Anthony Del Signore, MD, FARS; Mathew Geltzeiler, MD, FARS; Katie Melder, MD

3:31 pm – 3:37 pm

Prognostic significance of dysplasia in sinonasal inverted papilloma: A multi-institutional study

Alexis Kim, BA

3:38 pm – 3:44 pm

The inflammatory environment of sinonasal inverted papilloma

Alana Ravasio, BS

3:45 pm – 3:51 pm

Advancing IP and IP-SCC diagnosis: AutoML vs. traditional deep learning

Farideh Hosseinzadeh, MD

3:52 pm – 3:58 pm

Prolonged surveillance in inverted papilloma shows late recurrences and no benefit to frozen section

Alan Workman, MD, MTR

3:59 pm – 4:05 pm

Quality-of-life outcomes following endoscopic resection of sinonasal inverted papilloma

Arash Abiri

4:06 pm – 4:12 pm

Q&A

4:13 pm – 5:00 pm

Combined ARS and AHNS Panel: ICSNT: How It Can Help Your Practice

Moderator: Edward Kuan, MD, FARS

Panelists: Daniel Beswick, MD, FARS; Nyall London, MD, FARS; James Palmer, MD, FARS; Timothy Smith, MD, FARS; Shirley Su, MD; Eric Wang, MD, FARS; Marilen Wang, MD, FARS

5:00 pm – 5:05 pm

Q&A

5:05 pm

Meeting Adjourns

5:30 pm – 7:00 pm

ARS and AHNS Combined Reception

Michigan Ballroom and Foyer

Thursday, May 16, 2024
Afternoon Concurrent Session –
Grand Hall MNL
1:00 pm – 5:05 pm CST

7:00 am – 12:00 pm
ARS Board of Directors Meeting
Plaza Ballroom

Moderators: Jean Kim, MD, FARS; Spencer Payne, MD, FARS

1:00 pm – 1:06 pm
Medial flap turbinoplasty is unlikely to cause empty nose syndrome
Yasser Almansour

1:07 pm – 1:13 pm
Accuracy of the modified cotton test for ENS
Lirit Levi, MD

1:14 pm – 1:20 pm
Subtotal middle turbinate resection is unlikely to cause empty nose syndrome
Jacob Eide, MD

1:21 pm – 1:27 pm
Bovine derived collagen matrix in the treatment of empty nose syndrome
Brian Cameron, MD

1:28 pm – 1:32 pm
Q&A

Moderators: Kara Detwiler, MD, FARS; Jose Gurrola, MD

1:33 pm – 1:39 pm
Sniffing out trouble: Unmasking the dangers of VOCs on olfaction
Margaret B. Mitchell, MD, MS-HPED

1:40 pm – 1:46 pm
Evaluating olfactory function and quality of life in patients with traumatic brain injury
Amelia Lawrence, BS

1:47 pm – 1:53 pm
Subjective vs. objective olfactory assessment
Aurelia S. Monk, BA

1:54 pm – 2:00 pm
Age-related differences in olfactory retraining outcomes: A prospective cohort study
Amelia Lawrence, BS

2:01 pm – 2:07 pm
Efficacy of the nasal airflow-inducing maneuver in the olfactory rehabilitation of laryngectomy patients: A systematic review and meta-analysis
Kurtis Young, MD

2:08 pm – 2:12 pm
Q&A

Moderators: Stella Lee, MD; Amber Luong, MD, PhD, FARS

2:13 pm – 2:19 pm
COVID-19 associated dysgeusia and olfactory dysfunction impact on nutrition and quality of life
Hanna Moradi, BS

2:20 pm – 2:26 pm
Paxlovid is associated with lower rates of chronic post-COVID-19 smell and taste disorders
Esther Wang, BS

2:27 pm – 2:33 pm
Corticosteroid responsive olfactory dysfunction in CRS: What does it mean?
Kaete Archer, MD

2:34 pm – 2:40 pm
Topography of odorant specific recognition: Preliminary investigation into an olfactory map
Harish Dharmarajan, MD

2:40 pm – 2:45 pm
Q&A

2:45 pm – 3:15 pm
Break with Exhibitors

3:15 pm – 3:30 pm
Targeted Discussions and Debates: Alternative Therapies for Smell Loss
Moderator: Kristine Smith, MD
Panelists: Joshua Levy, MD, FARS; Zara Patel, MD, FARS

Moderators: Toby Steele, MD; William Yao, MD, FARS

3:31 pm – 3:37 pm
Twelve-month outcomes of septal swell body reduction using temperature-controlled radiofrequency
Jordan Pritikin, MD, FARS

3:38 pm – 3:44 pm
Posterior nasal nerve surgical neurectomy versus ablation for chronic rhinitis
Sainiteesh Maddineni

3:45 pm – 3:51 pm
Nasal obstruction outcomes in chronic topical nasal decongestant use patients
Anthony Di Ponio, DO

3:52 pm – 3:58 pm
Mouth breathing correction reduces exercise-induced bronchoconstriction in adults and children
Yusuf M. Gulleth, MD



3:59 pm – 4:05 pm

Impact of posture and CPAP therapy on nasal airflow partitioning

Ahmad Hamdan, Medical Student

4:06 pm – 4:12 pm

Q&A

4:13 pm – 5:00 pm

Panel: The Nasal Valve: Selecting Patients for Minimally Invasive v. Open Procedures

Moderator: William Yao, MD, FARS

Panelists: Henry Barham, MD, FARS; Monica Patadia, MD; Douglas Sidle, MD; Brent Senior, MD, FARS; David Yen, MD

5:00 pm – 5:05 pm

Q&A

5:05 pm

Meeting Adjourns

ARS Poster Viewing

Wednesday, May 15, 2023

1:00 pm - 7:00 pm

Thursday, May 16, 2023

9:00 am - 7:00 pm

Riverside Exhibit Hall

ARS Combined Poster Reception

Thursday, May 16, 2024

5:30 pm – 7:00 pm

Riverside Exhibit Hall

Poster #C001

FAERS olfactory adverse events

Daniel Lofgren, DO

Poster #C002

24-hour antibiotic prophylaxis regimen is effective in ESBS

Ashleigh Halderman, MD, FARS

Poster #C003

30-day readmissions after endoscopic pituitary surgery

Ashleigh Halderman, MD, FARS

Poster #C004

A retrospective analysis of office-based rhinologic procedures

Sarah Zahabi, MD

Poster #C005

A scoping review of female sex hormones' influence on airway inflammation at the cellular level

Anthony Dick, MD, MPH

Poster #C006

A systematic review of patient frailty and endoscopic endonasal skull base surgery outcomes

Sofia Olsson, BS

Poster #C007

ADI does not predict CSF leak risk in pituitary adenoma resection

Tyler Merrill, MD

Poster #C008

ADI does not predict readmissions after endoscopic skull base surgery

Jakub Jarmula, BA

Poster #C009

Adjunctive dupilumab treatment after surgery in CRSwNP

Yi-Tsen Lin, MD, PhD

Poster #C010

AERD treatment outcomes improve more rapidly with institutional experience

Jennifer Douglas, MD

Poster #C011

AI vs web-based sinus surgery patient education material

Anu Sharma, BS

Poster #C012

AI vs. residents: ChatGPT versions in otolaryngology exams

Evan Patel, MS

Poster #C013

An analysis of ChatGPT recommendations to current guidelines in adult sinusitis

Shaun Edalati, BS

Poster #C014

An analysis of treatment experiences in the prolactinoma subreddit

Rose Dimitroyannis, BA

Poster #C015

An unusual case of nasal chondromesenchymal hamartoma

Stefano Millarelli

Poster #C016

Anatomical factors addressed during contemporaneous revision sinus surgery for chronic pansinusitis

Nitish Kumar, MS

Poster #C017

Ancient history of nasal reconstruction: The origins of beauty and the impact on global surgery

Jonathan Deck, BS

Poster #C018

Anosmia by SARS-CoV-2 strain

Shreya Mandloi, BS

Poster #C019

Approach to Intracranial Internal carotid artery pseudoaneurysm rupture

Smile Kajal, MD

Poster #C020

Area deprivation index scores do not predict delay to Draf III procedures

Murray Bartho, BS

Poster #C021

Assessing the efficacy of a customized 3D-printed septal prosthesis based on the NOSE-perf score

Pedro Lanca Gomes, MD

Poster #C022

Association of prior nose surgery with olfactory function among older adults

Khamis Suleiman

Poster #C023

Baseline characteristics of AROMA study CRSwNP patients by number of surgeries

Jay Pinto, MD

Poster #C024

Baseline characteristics of CRSwNP patients by surgical history in AROMA study

Jay Pinto, MD

Poster #C025

Bimodal neurosensory stimulation by olfactory training with visual stimulation

Supinda Chusakul, MD

Poster #C026

Biologic therapy and CRSsNP endoscopic sinus surgery rates

Kevin Herrera, BS

Poster #C027

Case of bilateral concurrent sinonasal pleomorphic adenoma and glomangiopericytoma

Chappel Pettit

Poster #C028

Characterizing donor susceptibility to EBV infection in the nasopharynx using organotypic rafts

Shwet Kitchloo

Poster #C029

ChatGPT antibiotic stewardship

Nick Melott

Poster #C030

Chronic granulomatous IFS with intracranial extension causing vision loss

Kue Lee, BS

Poster #C031

Chronic rhinosinusitis incidence before and during COVID-19 pandemic: A retrospective cohort study

Jen Li Dong, BS

Poster #C032

Comparing estimated and actual blood loss in FESS

Kevin Fujita-Howie, MD

Poster #C033

CRS in patients with hematologic malignancies who have undergone organ transplantation

Karol Avila-Castano, MD

Poster #C034

CRS onset in solid vs non-solid transplanted population

Anyull Bohorquez, MD

Poster #C035

CRSwNP disease burden by subspecialty

Larry Borish, MD

Poster #C036

Delayed nasopharyngeal stenosis and clival osteoradionecrosis in patient with chondrosarcoma

Antonio Bon-Nieves, BS

Poster #C037

Delayed vision loss s/p resection of tuberculoma sellae meningioma by endoscopic endonasal surgery

Mélyssa Fortin, MD

Poster #C038

Demographic and research characteristics of United States rhinology fellowship directors

Mark Mascera, MEng

Poster #C039

Demographics, clinical features, and follow-up trends of sinus surgery patients

Ravi Dhamija, BA

Poster #C040

Detection of plagiarism among rhinology scientific journals

Ezer Benaim, MD

Poster #C041

WITHDRAWN

Poster #C042

WITHDRAWN

Poster #C043

WITHDRAWN

Poster #C044

Efficacy of preoperative procedural patient education to mitigate stress and anxiety: A randomized controlled trial
Ranny Assaf, MD

Poster #C045

Efficacy of steroid rinses and smell retraining in restoring olfactory function in COVID
Ethan McGann, MD

Poster #C046

Emerging imaging techniques for the diagnosis of CRS
Adwight Risbud, MD

Poster #C047

Empty nose syndrome: A systematic review of management options
Salman Hussain MB, BCh, BAO

Poster #C048

Endoscopic endonasal approach to control of pterygoid plexus hemorrhage following LeFort I osteotomy
Paul Cowan, DO, MS

Poster #C049

Enhancing efficiency and reducing costs through instrument consolidation in endoscopic sinus surgery
Anish Kosanam, BS

Poster #C050

Evaluating ChatGPT as a patient education tool for COVID-19-induced olfactory dysfunction
Elliott Sina, BA

Poster #C051

WITHDRAWN

Poster #C052

Extranodal NK/T-cell lymphoma, nasal type: A diagnostic challenge
Jee-hong Kim, MD

Poster #C053

Factors associated with sinonasal epithelial-myoeplithelial carcinoma survival outcomes
Vanshika Narala, BS

Poster #C054

Factors influencing patient satisfaction in tertiary rhinology clinics
Michael Yim, MD, FARS

Poster #C055

Factors influencing surgeon choice for revision sinus surgery: NHIRD study
Chun-Kang Liao, MD

Poster #C056

Frontal bone lymphoma masquerading as Pott's Puffy Tumor: A case report
Jeremy Chee, MBBS

Poster #C057

Frontal sinus mucocele with advanced orbital complications
Raisa Chowdhury, MSc

Poster #C058

Gaseous orbital cellulitis: Case and review
Keith Conti, MD

Poster #C059

Gender differences following sinus surgery: A systematic review and meta-analysis
Matthew Ryan, MD, FARS

Poster #C060

Gender differences in demographics and research activity of rhinology fellowship directors
Haris Waseem, BS

Poster #C061

Gender disparities among speakers at national rhinology conferences: A five-year analysis
Isabel Snee, BS

Poster #C062

Geriatric COVID anosmia
Nicolette Jabbour

Poster #C063

GLP-1 receptor agonist induced patulous ETD: Case report and review of otologic adverse events
Kaitlynne Pak, MD

Poster #C064

Growth rate and management of incidentally found paranasal sinus osteomas
Allen Luo

Poster #C065

Human papilloma virus vaccination (HPV) as adjuvant therapy for sinonasal squamous cell carcinoma(SNSCCa)
Rhiannon Gillett

Poster #C066

Image guided sinus surgery for the practitioner: 4 years of experience looking at cost and utility
Thomas Breinlich, MD

Poster #C067

Immune checkpoint inhibitors (ICI) induced sinonasal disease: Review of literature and FDA database
Kaitlynne Pak, MD

Poster #C068

Impact of CRS on postoperative complications after transphenoidal surgery
Kevin Herrera, BS

Poster #C069

Impact of monoclonal antibodies on rates of FESS in CRSwNP
Mihai Bentan

Poster #C070

Impact of OD on PROMs and QOL in older adults

Nicole Kloosterman, MD

Poster #C071

Impact of traffic on CRS severity

Snehitha Talugula, BS

Poster #C072

Impacts of COVID-19 on US academic rhinologists' industry engagement

Michael Warn, BS

Poster #C073

Improvement of Bruxism symptoms and its correlation with nasal symptoms after upper airway surgery

Yusuf M. Gulleth, MD, MPH

Poster #C074

WITHDRAWN

Poster #C075

Inferior turbinate flap for coverage of exposed ICA due to clival osteoradionecrosis

Priyanka Bisarya, MD

Poster #C076

Influence of sinonasal pneumatization on frontal sinus inflammation in CRS

Peiran Zhou, MD, PhD

Poster #C077

Invasive fusariosis of the skull base mimicking a primary bone tumor: A case report

Jen Li, Dong, BS

Poster #C078

Isolated fungal sphenoid sinusitis with lateral rectus palsy six years post lung transplant

Mallory Jenkins, BA

Poster #C079

JNA in an adult resulting in intracranial cyst

Patricia Loftus, MD, FARS

Poster #C080

Laboratory measurements and sinus surgery

Kevin Tie, MD

Poster #C081

Lamb septum as a model for septoplasty training

Heather Yeakel, MD

Poster #C082

Lefort surgery and post-operative septal abnormalities

Ashley Schemel, MD

Poster #C083

Lefort surgery role in chronic rhinosinusitis

Ashley Schemel, MD

Poster #C084

Machine learning analysis of reddit sinusitis forum

Aatin Dhanda, BA

Poster #C085

Malignant transformation of sinonasal and middle ear inverted papilloma: A case report

Eve-Marie Roy, MD

Poster #C086

Management of anterior epistaxis - Cost analysis comparing Rapid Rhino and Meroceel

James Fowler, MD

Poster #C087

Mantle zone lymphoma: A rare presentation of extranodal involvement in the orbital apex

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