

PRESENTATIONS - PROGRAM AT-A-GLANCE

Thursday, May 4, 2023 Morning Session – Ballroom C 8:00 am – 12:00 pm EST

7:00 am – 8:00 am

Women in Rhinology Breakfast Session

Title: “The Power of Allyship and Gender Partnership”

Guest Speaker: David Smith, PhD

8:00 am – 8:05 am

Welcome & Introduction

Sarah Wise, MD, FARS; Pete Batra, MD, FARS

Scientific Oral Presentations: Top Rated Clinical Abstracts – Session 1

Moderators: Amber Luong, MD, PhD, FARS; Nicholas Rowan, MD; Carol Yan, MD

8:05 am – 8:13 am

Preoperative particulate matter exposures are associated with increased type-2 cytokines in chronic rhinosinusitis

Rory Lubner, MD

8:14 am – 8:22 am

Inflammatory characteristics of central compartment atopic disease

Kolin Rubel, MD

8:23 am – 8:31 am

Incidence of hypocortisolism with long-term use of budesonide irrigations for chronic rhinosinusitis

Bruna Silva, MD

8:32 am – 8:40 am

Association of sinus mucus cytokine levels with SNOT-22 and UPSIT in patients with chronic rhinosinusitis

Stella Lee, MD

8:41 am - 8:49 am

Air pollution exposure is associated with rhinitis in older adults via specific immune mechanisms

Henrique Ochoa Scussiatto, MD

8:50 am - 8:55 am

Q&A

8:55 am - 9:05 am

Awards Ceremony

Jean Kim, MD, FARS

9:05 am - 9:45 am

PANEL: ABCs of Central Compartment Atopic Disease

Moderator: John Del Gaudio, MD, FARS

Panelists: Cecilia Damask, DO; Christine Franzese, MD, FARS;

Jessica Grayson, MD; Patricia Loftus, MD, FARS

Sponsored by Section for Allergy/Immunology in Rhinology

9:45 am - 10:15 am

Break with Exhibitors

Scientific Oral Presentations: Top Rated Basic Science Abstracts – Session 2

Moderators: Do-Yeon Cho, MD; Michael Kohanski, MD, PhD; Elina Toskala, MD, PhD, FARS

10:15 am – 10:23

IL-13 associated epithelial remodeling correlates with increased tuft cells, prostaglandin E2 activation, and clinical severity in nasal polyps

Neil Patel, MD, MSc

10:24 am - 10:32 am

Long-term aspirin desensitization has mucosal cytokine features of immune tolerance

Michael Kohanski, MD, PhD

10:33 am – 10:41 am

Genome-wide epigenetic study shows significant DNA hypermethylation in ethmoidal tissue of chronic rhinosinusitis versus controls

Tripti Brar, MBBS, MD

10:42 am – 10:50 am

Effects of diesel exhaust particulates on sinonasal epithelia

Do-Yeon Cho, MD

10:51 am – 10:59 am

Dysregulated epithelial innate immune tolerance to P. aeruginosa-derived flagellin in chronic rhinosinusitis

Justin Turner, MD, PhD, FARS

11:00 am - 11:05 am

Q&A

11:05 am - 11:20 am

TARGETED CONVERSATIONS ON IMPORTANT TOPICS: Tips and Tricks in Endoscopic Pituitary Surgery

Moderator: Jean Anderson Eloy, MD, FARS

Panelists: Erin McKean, MD; Bradford Woodworth, MD, FARS

11:20 am – 12:00 pm

PANEL: Pearls to Maximize Mentorship From Leaders in Rhinology

Moderator: Stella Lee, MD

Panelists: Pete Batra, MD, FARS; Marvin Fried, MD, FARS;

Stacey Gray, MD, FARS; Sandra Lin, MD, FARS

Sponsored by Mentorship Committee and Women in Rhinology Section

12:00 pm - 1:00 pm

Lunch with Exhibitors

Thursday, May 4, 2023

Afternoon Session – Ballroom C

1:00 pm – 5:00 pm EST

12:00 pm - 1:00 pm

Lunch with Exhibitors

Scientific Oral Presentations: Pathophysiology and Mechanisms

Moderators: Kara Detwiler, MD, FARS; Kristine Smith, MD; Abtin Tabae, MD, FARS

1:00 pm - 1:06 pm

Fractional exhaled nitric oxide levels correlate with sinus mucus cytokines in patients with chronic rhinosinusitis

Stella Lee, MD

1:07 pm - 1:13 pm

Profiling the cytokines patterns in sinonasal tissues to distinguish between chronic rhinosinusitis endotypes

Liyona Kampel, MD, PhD

1:14 pm – 1:20 pm

Transcriptional differences in chronic rhinosinusitis with and without allergic rhinitis

Chengetai Mahomva, MD

1:21pm – 1:27 pm

Loss of gremlin-1 is associated with chronic rhinosinusitis subtypes and has a limited effect on bone morphogenetic proteins in sinonasal tissue

Andrew Hess, MD

1:27 pm - 1:32 pm

Q&A

1:32 pm - 1:38 pm

Variations in ciliary beat frequency across chronic rhinosinusitis endotypes and phenotypes

Asher Park, BS

1:39 pm – 1:45 pm

Tissue eosinophilia is an unreliable marker for type 2 inflammation in CRSsNP patients

Tara Wu, MD

1:46 pm – 1:52 pm

Levels of nasal nitric oxide and inducible nitric oxide synthase expression in chronic rhinosinusitis with nasal polyposis

Vincent Wu, MD

1:53 pm – 1:59 pm

Cadaveric histologic assessment of autonomic nerve fiber densities in different nasal nerves

Raven Dunn, MD

2:00 pm – 2:05 pm

Q&A

2:05 pm – 2:45pm

PANEL: Recurrent and Locally Advanced Sinonasal Malignancies: Modern Management Options

Moderator: Brian Thorp, MD, FARS

Panelists: Edward Kuan, MD, FARS; Kibwei McKinney, MD; Zara Patel, MD, FARS; Laura van Gerven, MD

Sponsored by: Skull Base and Orbital Surgery Section

2:45 pm - 3:15 pm

Break with Exhibitors

Scientific Oral Presentations: Sinonasal and Skull Base Tumors

Moderators: Kibwei McKinney, MD; Kenneth Rodriguez, MD

3:15 pm – 3:21 pm

Outcomes of immunotherapy treatment in sinonasal melanoma: A CORSICA multi-institutional study

Rijul Kshirsagar, MD

3:22 pm – 3:28 pm

Recurrence patterns among patients with sinonasal mucosal melanoma: A multi-institutional study

Vivek Pandrangi, MD

3:29 pm - 3:35 pm

The impact of focal hyperostosis and attachment point on recurrence rate of primary and revision sinonasal inverted papillomas

Vidit Talati, MD, MS

3:36 pm – 3:42 pm

The impact of neoadjuvant chemotherapy on resection margins in locoregionally advanced sinonasal squamous cell carcinoma: A NCDB cohort study

Mena Said, MD

3:43 pm - 3:49 pm

Racial and ethnic disparities in the presentation size and timing of pituitary adenomas resected via endoscopic endonasal approach

Jonathan Pang, BA

3:50pm – 3:56 pm

Decreased baseline quality of life outcomes in patients with sinonasal malignancies

Cara Maya Fleseriu, BS

3:57 pm - 4:05 pm

Q&A

4:05 pm - 4:20 pm

TARGETED CONVERSATIONS ON IMPORTANT TOPICS: Diagnosing and Managing Odontogenic Sinusitis: Review of Multidisciplinary Consensus Guidelines

Moderator: John Craig, MD, FARS

Panelists: Jose Mattos, MD; David Poetker, MD, FARS

Scientific Oral Presentations: Systemic Diseases, Environment, and the Sinuses

Moderators: David Gudis, MD, FARS; Ashleigh Halderman, MD, FARS; Patricia Loftus, MD, FARS

4:20 pm – 4:26 pm

Does weather affect sinus symptoms? A SNOT-22 study

Sebastian Dobrow, MD, MPH

4:27 pm – 4:33 pm

Predictors of improvement in SNOT-22 scores after highly effective modulator therapy in people with Cystic Fibrosis: A multi-center analysis

Jessa E. Miller, MD

4:34 pm – 4:40 pm

Assessment of individual sinus characteristics and patient-reported outcomes in people with Cystic Fibrosis

Jessa E. Miller, MD

4:41 pm – 4:47 pm

Risk factors for invasive fungal sinusitis among immunosuppressed bone marrow transplant recipients

Marie-Ange Munyemana, BA

4:48 pm – 4:54 pm

Does air pollutant exposure impact disease severity or outcomes in chronic rhinosinusitis?

Amarbir Gill, MD

4:55 pm – 5:00 pm

Q&A

5:00 pm - 5:15 pm

Business Meeting

5:30 pm - 7:00 pm

ARS President's Welcome Reception Sheraton Hotel – Republic Ballroom

Thursday, May 4, 2023

Afternoon Concurrent Session – Room 304/306

1:00 pm – 5:00 pm EST

12:00 pm - 1:00 pm

Lunch with Exhibitors

Scientific Oral Presentations: Nasal and Sinus Surgery

Moderators: Angela Donaldson, MD, FARS; Devyani Lal, MD, FARS; R. Peter Manes, MD, FARS

1:00 pm - 1:06 pm

Comparing outcomes of limited versus extensive sinus surgery for chronic rhinosinusitis: A systematic review and meta-analysis

Shreya Pusapadi Ramkumar, BS

1:07 pm - 1:13 pm

The benefits and risks of non-steroidal anti-inflammatory drugs for postoperative analgesia in sinonasal surgery: A systematic review and meta-analysis

Daniel Lee, MD

1:14 pm – 1:20 pm

Race in endoscopic sinus surgery: A matched cohort study

Firas Hentati, BS

1:21pm – 1:27 pm

Impact of dual electronic and conventional cigarette use on diagnosis and surgery for chronic rhinosinusitis: A multicenter study

Graham Pingree, BA

1:27 pm - 1:32 pm

Q&A

1:32 pm - 1:38 pm

Can the effect of oxymetazoline predict turbinate reduction surgical outcomes? A pilot computational fluid dynamic study

Kai Zhao, PhD

1:39 pm – 1:45 pm

The effect of surgical correction of nasal obstruction on eustachian tube dysfunction

Rachel Daum, BS

1:46 pm – 1:52 pm

Role of trigeminal sensation in subjective nasal obstruction

Craig Salvador, BS

1:53 pm – 1:59 pm

Nasal surgery for the treatment of medically refractory rhinitis medicamentosa

William Li, MD

2:00 pm – 2:05 pm

Q&A

2:05 pm – 2:45pm

PANEL: Acute Invasive Fungal Sinusitis: Management in the Current Era

Moderator: Jean Kim, MD, FARS

Panelists: Eliza Brozek-Madry, MD, PhD; Charles Ebert, MD, FARS; Lauren Roland, MD; Masayoshi Takashima, MD, FARS

2:45 pm - 3:15 pm

Break with Exhibitors

Scientific Oral Presentations: Rhinology Potpourri

Moderators: Charles Ebert, MD, FARS; Charles Tong, MD, FARS

3:15 pm – 3:21 pm

Letters of recommendation for rhinology fellowship: Sentiment and deep learning linguistic differences based on applicant training location and gender of applicant and letter writer

Vikram Vasan, BA

3:22 pm – 3:28 pm

What does it mean to have ‘congestion?’ A multi-institutional comparison of patients and clinicians

Jakob Fischer, MD

3:29 pm - 3:35 pm

Eustachian tube dysfunction symptoms after endonasal skull base surgery

David Grimm, MS

3:36 pm – 3:42 pm

Sinonasal disease severity influences patient perceived voice quality

Maria Espinosa, MD

3:43 pm - 3:49 pm

Inappropriate image duplications in rhinology research publications

Do-Yeon Cho, MD

3:50pm – 3:56 pm

Post-operative outcomes and cephalometric analysis following pediatric nasal septoplasty: A 5-year retrospective review

Abdullah Zeatoun, MD

3:57 pm - 4:05 pm

Q&A

4:05 pm - 4:20 pm

TARGETED CONVERSATIONS ON IMPORTANT TOPICS: Perioperative antibiotics during sinus surgery: What is the Evidence?

Moderator: Eric Holbrook, MD, FARS

Panelists: Ashton Lehmann, MD; Troy Woodard, MD, FARS

Scientific Oral Presentations: Olfaction

Moderators: Elisa Illing, MD, FARS; Jessica Southwood, MD; Bobby Tajudeen, MD, FARS

4:20 pm – 4:26 pm

Inflammatory markers associated with persistent smell loss in COVID-19 long haulers characterized by mucus and epithelial cells from olfactory cleft

Sophie Jang, MD

4:27 pm – 4:33 pm

Persistent chemosensory loss is associated with cognitive performance in post-acute COVID-19 patients

David Cvancara, BS

4:34 pm – 4:40 pm

Depression, anxiety, and suicidal ideation in adults with COVID-induced olfactory distortion: A cross-sectional analysis

Firas Hentati, BS

4:41 pm – 4:47 pm

Reduction in olfactory dysfunction prevalence among patients taking metformin

Varun Vohra, BA

4:48 pm – 4:54 pm

The impact of race on olfaction

Sofia Khan, Ms.

4:55 pm – 5:00 pm

Q&A

5:00 pm - 5:15 pm

Business Meeting

5:30 pm - 7:00 pm

**ARS President’s Welcome Reception
Sheraton Hotel – Republic Ballroom**

Friday, May 5, 2023

Afternoon Session – Room 304/306

1:00 pm – 5:00 pm EST

7:00 am – 12:00 pm

ARS Board of Directors Meeting

Room: Liberty ABC, Sheraton Boston Hotel, Level 2

12:00 pm - 1:00 pm

Lunch with Exhibitors

Scientific Oral Presentations: CRS Diagnosis and Treatment

Moderators: Jose Gurrola, MD; Victoria Lee, MD, FARS; William Yao, MD, FARS

1:00 pm – 1:06 pm

Comparison of two commercially available corticosteroid-eluting frontal sinus stents

Tripti Brar, MBBS, MD

1:07 pm – 1:13 pm

Characterizing trends in diagnosis and management of sinusitis in a large health care system: From primary care to otolaryngology

Christopher Hornung, BS

1:14 pm – 1:20 pm

Cost analysis of culture-directed antibiotics for the treatment of acute exacerbations in chronic rhinosinusitis

Michael Yong, MD

1:21 pm – 1:27 pm

Feasibility of long-acting corticosteroid matrices (LYR-220) in patients with chronic rhinosinusitis and prior sinus surgery: Early data from Part 1 of the BEACON study

Stacey Silvers, MD, FARS

1:28 pm – 1:34 pm

Association between short term ambient temperature and diagnosis of chronic rhinosinusitis

Murugappan Ramanathan, Jr., MD, FARS

1:35 pm – 1:41 pm

Development of a novel solute for sinonasal irrigation in chronic rhinosinusitis

Raymond Kim, BHB, MBChB, FRACS, PhD

1:42 pm - 1:50 pm

Q&A

1:50 pm - 2:30 pm

PANEL: Tissue Histopathology and Clinical Endotyping: Implications for Patient Care

Moderator: Bobby Tajudeen, MD, FARS

Panelists: Eugene Chang, MD, FARS; Devyani Lal, MD, FARS; Bruce Tan, MD; Justin Turner, MD, PhD, FARS

2:30 pm - 2:45 pm

TARGETED CONVERSATIONS ON IMPORTANT TOPICS: Skull Base Reconstruction: Beyond the Nasoseptal Flap

Moderator: Garret Choby, MD, FARS

Panelists: David Gudis, MD, FARS; Sanjeet Rangarajan, MD, FARS

2:45 pm - 3:15 pm

Break with Exhibitors

Scientific Oral Presentations: Skull Base Surgery Outcomes

Moderators: Mathew Geltzeiler, MD, FARS; Nyall London, MD, FARS

3:15 pm – 3:21 pm

Ten-year outcomes in pediatric midfacial growth following expanded endonasal skull base surgery

Jennifer Douglas, MD

3:22 pm – 3:28 pm

A multi-institutional and multidisciplinary algorithm in the management of idiopathic intracranial hypertension

Pedro Escobedo, BS

3:29 pm – 3:35 pm

Emergency department visits following endoscopic skull base surgery: An opportunity for improvement

Neal Godse, MD

3:36 pm – 3:42 pm

Does nasal packing affect endoscopic skull base surgery outcomes?

Arash Abiri, BS

3:43 pm – 3:49 pm

Long-term disease-specific and generalized quality of life after treatment in sinonasal malignancy: A prospective, multi-center study

Sabrina Maoz, BS

3:50 pm – 3:56 pm

Trends of skull base surgery Medicare reimbursements

Theodore Nguyen, BS

3:57 pm - 4:05 pm

Q&A

4:05 pm - 4:20 pm

TARGETED CONVERSATIONS ON IMPORTANT TOPICS:

Biologics for Polyps: Upfront or Postop?

Moderator: Amber Luong, MD, PhD, FARS

Panelists: Tanya Laidlaw, MD; Zachary Soler, MD, FARS

Scientific Oral Presentations: Nasal Polyps and Biologics

Moderators: Edward Kuan, MD, FARS; Joshua Levy, MD, FARS; Lauren Roland, MD

4:20 pm – 4:26 pm

Histopathologic features of biologic therapy nonresponders in chronic rhinosinusitis with nasal polyposis

Ali Baird, BS

4:27 pm – 4:33 pm

Mitochondrial dysfunction is associated with age-related glandular remodeling and nasal polyp formation

Jenna Bergman, MD

4:34 pm – 4:40 pm

Not just SNOT: Local inflammatory profiles in AERD patients differ from non-AERD CRS

Stella Lee, MD

4:41 pm – 4:47 pm

Optimizing the timing of biologic and surgical therapy for patients with refractory CRSwNP

Emily Garvey, BA

4:48 pm – 4:54 pm

Characterizing adverse events of biologic treatment of CRSwNP: An analysis of the FDA adverse event reporting system

Taylor Stack-Pyle, Medical Student

4:55 pm - 5:00 pm

Q&A

5:00 pm

Meeting Adjourns

ARS Poster Viewing

Wednesday, May 3, 2023, 1:00 pm - 7:00 pm

Thursday, May 4, 2023, 9:00 am - 7:00 pm

Hynes Convention Center - Hall D

ARS Combined Poster Reception

Wednesday, May 3, 2023, 5:30 pm - 7:00 pm

Hynes Convention Center - Hall D

Poster #B001

A 10-year comparative analysis of pediatric nasal foreign bodies on a national scale

Abdurrahman Al-Awady

Poster #B002

A new phenotype of immune-related chronic rhinosinusitis in the era of immune checkpoint inhibitors

Kelly McKenna, MD

Poster #B003

A novel method for improving compliance in patients using continuous positive airway pressure (CPAP) during sleep

Keith Matheny, MD

Poster #B004

A retrospective review of inverted papilloma attachment site distribution with a three-dimensional heat map

Jumah Ahmad, MD

Poster #B005

Access to biologic therapy in patients with chronic rhinosinusitis with polyps

Emily Garvey, BA

Poster #B006

Acute invasive fungal rhinosinusitis in the COVID era: An observational study

Kevin Grafmiller, MD

Poster #B007

WITHDRAWN

Poster #B008

Air flow and heat transfer among anatomical subsites within nasal passages

Ameer Ghodke, MD

Poster #B009

Anatomical predisposing factors for solitary sphenoid sinus fungal ball

Ahmed Alanazi, MD

Poster #B010

Anti-neutrophil cytoplasmic antibodies (ANCA) positive cocaine induced midline destructive lesions (CIMDL): A case report and systematic review

Danielle Morrison, MD

Poster # B011

WITHDRAWN

Poster #B012

Association between cocaine use and sinonasal symptoms among US adults

Matthew Lin, BS

Poster #B013

Association between loss of smell and disease burden and dupilumab efficacy in patients with chronic rhinosinusitis with nasal polyps

Zachary Soler, MD

Poster #B014

Association between prolonged operative time and surgical outcomes in transsphenoidal pituitary surgery

Imran Khawaja

Poster #B015

Association between rising temperature norms and Lund-Mackay score in determining mucosal disease burden

Brett Campbell, MD

Poster # B016

Association between rising temperature norms and trends in most common allergens

Abdurrahman Abdurrob, MS

Poster # B017

Association between smell and taste loss and sexual activity: A NHANES database study

Dennis Tang, MD

Poster # B018

Association of chronic rhinosinusitis with the incidence of head and neck cancer: A nationwide cohort study

Ki Il Lee, MD, PhD

Poster # B019

Smell and cognition in patients with persistent post-COVID olfactory dysfunction

Tiana Saak, BA

Poster #B020

Avoidance of posterior sinonasal epistaxis in endoscopic large sphenoidotomy: Endoscopic preservation of sphenopalatine artery-posterior nasal artery pedicle technique and outcomes

Chester Griffiths, MD

Poster #B021

Avoidance of postoperative epistaxis utilizing a sphenopalatine pedicle preserving technique in endonasal endoscopic skull base surgery: 11-year experience

Chester Griffiths, MD

Poster #B022

WITHDRAWN

Poster #B023

Bilateral antrochoanal polyp: A case report of an extremely rare entity managed conservatively with a review from the past 26 years

Firas Almarri, MBBS

Poster #B024

Biological sex is a significant modulator in rhinologic health and disease: A scoping review of the current state knowledge and gaps

Shreya Pusapadi Ramkumar, BS

Poster #B025

Biologics in the management of chronic rhinosinusitis with nasal polyposis: Two years real-life experience

Stefano Millarelli, Dr.

Poster #B026

BMI increases in individuals with COVID-19-associated persistent olfactory dysfunction

Brandon Vilarello, BA

Poster #B027

Cerebrospinal fluid rhinorrhea post routine Coronavirus disease 2019 nasopharyngeal swab

Keith Conti, MD

Poster #B028

Characterization of post-COVID-19 olfactory dysfunction treatment modalities and effect on quality of life

Bitu Naimi, BA

Poster #B029

Chronic rhinosinusitis in primary ciliary dyskinesia: Impact of disease and sinus surgery

Sulgi Kim

Poster #B030

Cocaine induced midline destructive lesions vs. limited granulomatosis with polyangiitis: A diagnostic conundrum

Akaber Halawi, MD

Poster #B031

Comparing patient compliance with nasal sprays, irrigations, and medications in rhinology

Amanda Bastien, MD

Poster #B032

WITHDRAWN

Poster #B033

Cost and utilization of CT scans for acute rhinosinusitis between 2016 and 2018

Thomas Cyberski, Medical Student

Poster #B034

Cost comparison analysis of single-use and reusable rhinolaryngoscopes – A multi-center study

Emilie Dehlholm-Lambertsen, MSc

Poster #B035

COVID-19 infection and immune deficiencies in patients with new onset CRS

Amani Kais, MD

Poster #B036

Cranial nerve zero: What the rhinologist needs to know

Ibtisam Mohammad, MD

Poster #B037

CSF leak secondary to COVID-19 testing: A case series and systematic literature review

Shireen Samargandy, MBBS, MD

Poster #B037A

Current practice patterns among fellowship-trained rhinologists: A survey of past American Rhinologic Society fellows

Dennis Tang, MD, FARS

Poster #B038

Descriptive analysis of the management of 370 consecutive patients referred for chronic sinusitis: From primary care to specialty care

Isaac Obermyer, MD

Poster #B039

Differentiating rhinogenic vs non-rhinogenic facial pain: A qualitative study

Viraj Patel, MD

Poster #B040

Disparities among patients seeking care for olfactory and taste dysfunction: A population-based study

Daniel Gorelik, Clinical Research Fellow

Poster #B041

Disparities in telehealth usage in patients with chronic rhinosinusitis

De'Andre Warren, MD

Poster #B042

WITHDRAWN

Poster #B043

Drug delivery to anatomical subsites within the nasal passage

Sarah Russel, MD, MPH

Poster #B044

Dupilumab-related adverse events among patients with chronic rhinosinusitis with nasal polyposis

Daniel Lee, MD, FRCSC

Poster #B045

Economic evaluation of Dupilumab for the management of severe uncontrolled chronic rhinosinusitis with nasal polyposis

Antonella Loperfido, MD

Poster #B046

Efficacy of biologics on eosinophilic ear polyposis (EEP) associated with NSAID-exacerbated respiratory disease (N-ERD)

Ivanna Nebor, MD

Poster #B047

Elxacaftor/tezacaftor/ivacaftor therapy reduces rhinologic healthcare utilization in people with Cystic Fibrosis

Ethan Han, BS

Poster #B048

Endonasal odontoideotomy in pediatric and adult populations: A systematic review and meta-analysis

Nikitha Kosaraju, BA

Poster #B049

Endoscopic evaluation of nasal septal perforation: Assessment of a novel tool for grading nasal septal perforation inflammation

Amar Miglani, MD

Poster #B050

Endoscopic reconstructive techniques for high flow anterior skull base cerebrospinal fluid leaks: A systematic review of outcomes and complications

Kunjan Patel, MD

Poster #B051

Ergonomics of otolaryngology trainees in rhinology

Emily Montgomery, MS

Poster #B052

Errors in Beta-2 transferrin testing: A systematic review

Jacob Eide, MD

Poster #B053

Estheseoneuroblastoma with orbital involvement: Management and outcomes

Ehiremen Iyoha, MD

Poster #B054

Evaluating feasibility of a cooperative-control robotic assistant for endoscopic endonasal sinus surgery: A pre-clinical study

Manish Sahu, PhD

Poster #B055

Evaluating management and outcomes of juvenile nasopharyngeal angiofibroma (JNA) using public health information system (PHIS)

Tyler Merrill, MD

Poster #B056

WITHDRAWN

Poster #B057

Factors associated with postoperative complications following resection of sinonasal tumors

Raymond So, AB

Poster #B058

Financial costs of COVID-19 induced smell and taste loss

Esther Wang, MD

Poster #B059

Giant frontoethmoidal mucocele with orbital extension secondary to chronic intranasal cocaine abuse: A case report with fifteen year follow-up

Samantha Lau, BS

Poster #B060

Has COVID-19 changed pediatric acute sinusitis epidemiology during the first two pandemic years?

Elchanan Zloczower, MD, MHA

Poster #B061

HRCT-MRI fusion: A novel imaging protocol surpasses current modalities in identifying and localizing cerebrospinal fluid leaks

Sabrina Goyal, BS

Poster #B062

Identifying patients with chronic rhinosinusitis (CRS) in Medicare claims

Samuel E. Razmi, BS

Poster #B063

Impact of a novel nasal cleansing kit on relief of allergy symptoms

Arman Kalamkarian, MD

Poster #B064

Impact of corticosteroids on sinonasal wound healing

Jackson Vuncannon, MD

Poster #B065

Impact of Dupilumab prescribing on utilization of medical and surgical therapies for chronic rhinosinusitis with nasal polyps

Christopher Low, MD

Poster #B066

Impact of social determinants of health on chronic rhinosinusitis disease severity, treatment outcomes, and complications: A population-based database study

Bitu Naimi, BA

Poster #B067

Impact of the inferomedial strut on diplopia after endoscopic orbital decompression for dysthyroid ophthalmopathy: A systematic review

Ari Stone, MD

Poster #B068

Implementation of an optimized preoperative checklist for endoscopic sinus surgery within a multi-institutional resident education curriculum

Stephen Leong, BA

Poster #B069

Insurance coverage and survival outcomes in patients with olfactory neuroblastoma

David Fenton, BS

Poster #B070

Interleukin 4 induces loss of smell in mice by altering olfactory signaling

Yannis Hara, PhD

Poster #B071

Intraosseous hemangioma of the nasal septum: A reported case

Lauren Strickland, Medical Student

Poster #B072

Leadership trends in otolaryngology rhinology fellowship

Mitesh Mehta, MD

Poster #B073

Long-term revision surgery rates of chronic rhinosinusitis treated with endoscopic sinus surgery and standard medical therapy

Shreya Pusapadi Ramkumar, BS

Poster #B074

WITHDRAWN

Poster #B075

Management paradigms for chronic rhinosinusitis in individuals with asthma: An evidence-based review with recommendations

Amarbir Gill, MD

Poster #B076

WITHDRAWN

Poster #B077

Murine model of minimally invasive nasal depot (MIND) technique for central nervous system drug delivery across the blood-brain barrier

Andy Chua, MBBS, MMed

Poster #B078

Mycotic aneurysm of the internal carotid artery associated with COVID and sphenoid sinusitis in a pediatric patient: A case report and review of the literature

Charles Ekwunwa, BS

Poster #B079

Nasal cytology as a procedure to follow-up patients treated with biological drugs with type II inflammation

Rafael Hijano, MD PhD

Poster #B080

Negative sinus biopsy does not rule-out orbital invasive fungal sinusitis

Jeffrey Bernstein, MD

Poster #B081

Novel application of a self-assembling peptide hydrogel in endoscopic skull base surgery

Satyam Sreenath, MD

Poster #B082

Novel use of biliary stent in drainage of Potts Puffy Tumour

Shuhui Xu, MBBS, MRCS(Ireland), MMed(ORL)

Poster #B083

Olfaction in patients with long-haul COVID-19

Meredith Lamb, BS

Poster #B084

Olfactory and gustatory dysfunction: A comparison between omicron and previous variants in Turkey

Ibtisam Mohammad, MD

Poster #B085

Olfactory dysfunction secondary to COVID-19 infection is associated with diminished quality of life

Patricia Jacobson, BSN

Poster #B086

Oral corticosteroid burden and healthcare resource utilization (HCRU) in patients with chronic rhinosinusitis with nasal polyps (CRSwNP) undergoing functional endoscopic sinonasal surgery (FESS): A real-world retrospective cohort study

Danielle Isaman, PhD

Poster #B087

Outcomes of endoscopic endonasal transsphenoidal surgery in the pediatric population

Hector Perez, MD

Poster #B088

WITHDRAWN

Poster #B089

Pediatric functional endoscopic sinus surgery: Comparison of postoperative debridement in the office versus OR

Alice Huang, MD

Poster #B090

Pediatric nasal septal abscess: Case report and literature review

Edie Threlkeld, BS

Poster #B091

Penetrating orbital maxillary sinus trauma with a glass crack-cocaine pipe: A unique case report

Chase Kahn, MD

Poster #B092

Personal statements for rhinology fellowship: A sentiment and deep learning linguistic analysis based on gender and training location of applicant

Vikram Vasan, BA

Poster #B093

Post Covid parosmia demographics and treatment

Taciano Rocha, PhD

Poster #B094

Posterior extension of fusobacterium nucleatum sinusitis leading to posterior circulation cerebellar and pontine infarcts

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