

ARS 69th Annual Meeting

September 29-30, 2023 | Nashville, TN



PROGRAM AT A GLANCE

Thursday, September 28, 2023

Residents Didactic Course

Cumberland 1
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

Music Row 5
6:30 pm – 8:00 pm
By Invitation Only

Friday, September 29, 2023

Residents Didactic Course

Cumberland 2
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 29, 2023

7:00 am – 12:00 pm

Broadway Ballroom ABC

7:00 am - 8:00 am
Board of Directors Breakfast

8:00 am - 12:00 pm
Board of Directors Meeting

Friday, September 29, 2023

1:00 pm – 5:00 pm

General Session

Broadway Ballroom GHJK

12:00 pm - 1:00 pm
Fall Film FESStival
Broadway Ballroom GHJK
Moderators: Christopher Church, MD, FARS;
Edward Kuan, MD, FARS

1:00 pm – 1:05 pm
Welcome & Introduction
Pete Batra, MD, FARS

1:05 pm – 1:20 pm
Presidential Address
Sarah Wise, MD, FARS

Top Rated Abstracts – Clinical Rhinology

Moderators: Kara Detwiller, MD, FARS; Devyani Lal, MD, FARS; Bobby Tajudeen, MD, FARS

1:20 pm - 1:27 pm
Topical platelet-rich plasma for post-COVID olfactory dysfunction – A randomized controlled trial
Alexander Duffy, MD

1:28 pm – 1:35 pm
Efficacy and safety of EDS-FLU in chronic rhinosinusitis – Two randomized controlled trials
James Palmer, MD, FARS

1:36 pm – 1:43 pm
All CRS endotype clusters demonstrate improvement in patient reported and objective measures after endoscopic sinus surgery
Nikita Chapurin, MD, MHS

1:44 pm – 1:51 pm
Peri-operative air quality and post-operative endoscopic sinus surgery outcomes
Amarbir Gill, MD

1:52 pm – 1:59 pm
Optimizing topical nasal corticosteroid irrigations: A randomized double-blind clinical trial
Zachary Root, BS

1:59 pm – 2:05 PM
Q&A

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

2:15 pm – 3:00 pm
David W. Kennedy Lecture
Introduction: Pete Batra, MD, FARS
Guest Speaker: Brent Senior, MD, FARS
“Global Outreach in Rhinology: Lessons Learned from a Quarter Century in Vietnam”

3:00 pm – 3:30 pm
Break with Exhibitors

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Top Rated Abstracts – Basic Science and Translational Research

*Moderators: Benjamin Bleier, MD, FARS;
Do-Yeon Cho, MD; Elina Toskala, MD, FARS*

3:30 pm – 3:37 pm

An eosinophil peroxidase activity assay accurately predicts eosinophilic chronic rhinosinusitis

Kristine Smith, MD

3:38 pm – 3:45 pm

Common cold viruses activate the unfolded protein response in chronic rhinosinusitis

Elizabeth Sell, Medical Student

3:46 pm – 3:53 pm

Timing of surgery on tissue IL-13 expression in CRSwNP patients on dupilumab: A real-world study

Abdul Rahman Alenezi, MD

3:54 pm – 4:01 pm

Glutathione and bicarbonate nanoparticles improve mucociliary transport in cystic fibrosis epithelia

Nicholas Rivers, MD

4:02 pm – 4:09 pm

The effects of PM2.5 exposure on the presentation of acute bacterial rhinosinusitis

David Grimm, MS

4:09 pm – 4:15 pm

Q&A

4:15 pm – 5:00 pm

Panel: “Maintaining Balance & Achieving the Quadripartite Mission”

Moderator: Nicholas Rowan, MD

Panelists: Stacey Gray, MD, FARS; Peter Hwang, MD, FARS; Devyani Lal, MD, FARS; Rodney Schlosser, MD, FARS; Sarah Wise, MD, FARS

Sponsored by Residents and Fellows Committee and Women in Rhinology Section

5:30 pm – 7:00 pm

President’s Welcome Reception

Broadway Ballroom, 5th Avenue Pre-Function

Saturday, September 30, 2023

8:00 am – 12:00 pm

Breakout 1

**Basic Science and Clinical Rhinology
Broadway Ballroom JK**

Session Chair: Erin O’Brien, MD, FARS

7:00 am – 8:00 am

Meet the Authors Poster Viewing & Breakfast

Room: Grand View Terrace Foyer, Second Level

8:00 am – 8:35 am

Panel: “Success in Early Career Extramural Funding”

Moderator: Murugappan Ramanathan, MD, FARS

Panelists: Andrew Lane, MD, FARS; Corinna Levine, MD, FARS; Timothy Smith, MD, FARS; Carol Yan, MD

Sponsored by the Mentorship Committee

Scientific Oral Presentations:

Pathophysiology and Mechanisms

*Moderators: Lauren Roland, MD; Nicholas Rowan, MD;
Kristine Smith, MD*

8:35 am – 8:40 am

Acetate and propionate metabolism by *Pseudomonas aeruginosa* contributes to significant sinus inflammation in a rabbit model of sinusitis

Do-Yeon Cho, MD

8:41 am – 8:46 am

Identifying 5-hydroxymethylcytosine profiles in cell free DNA from serum in patients with aspirin exacerbated respiratory disease

Tiffany Toni

8:47 am – 8:52 am

Increased *Staphylococcus* abundance in the sinus microbiome is associated with chronic rhinosinusitis treatment resistance

David Hoying, BS

8:53 am – 8:58 am

Long non-coding RNAs related to extracellular matrix and proteins are differentially expressed in chronic rhinosinusitis

Tripti Brar, MBBS, MD

8:59 am – 9:04 am

Comparison between upper and lower airway microbiome in chronic rhinosinusitis patients

Juan Carlos Hernaiz-Leonardo, MD, MSc

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PROGRAM AT A GLANCE

9:05 am – 9:15 am

Q&A

9:15 am – 9:45 am

Panel: Generative Artificial Intelligence in Rhinology

Moderator: Chirag Patel, MD, FARS

Panelists: Martin Citardi, MD, FARS; Brian Lobo, MD, FARS; Martin Desrosiers, MD

9:45 am – 10:15 am

Break with Exhibitors

Scientific Oral Presentations: CRS Impact and Disease Severity

Moderators: Angela Donaldson, MD, FARS; Amber Luong, MD, PhD, FARS; Toby Steele, MD

10:15 am – 10:20 am

In vivo nasal micro-optical coherence tomography imaging reveals mucociliary dysfunction in chronic rhinosinusitis

Kadambari Vijaykumar

10:21 am – 10:26 am

Multi-instance learning for eosinophil quantification of sinonasal histopathology images

Yi-Tsen Lin, MD, PhD

10:27 am – 10:32 am

Frailty is an independent predictor of post-operative rescue medication use after endoscopic sinus surgery

Andrea Lopez, BS

10:33 am – 10:38 am

Cognition and saccadic eye movement performance are impaired in chronic rhinosinusitis

David Cvancara, BS

10:39 am – 10:45 am

Q&A

10:45 am – 10:50 am

Sleep dysfunction is greater in aspirin-exacerbated respiratory disease than in other forms of chronic rhinosinusitis

David Cvancara, BS

10:51 am – 10:56 am

Clinical characteristics and comorbidities associated with non-eosinophilic chronic rhinosinusitis

Tripti Brar, MBBS, MD

10:57 am – 11:02 am

Impact of chronic rhinosinusitis local exacerbations on granulomatosis with polyangiitis disease progression and systemic exacerbations

Trisha Shang, BA

11:03 am – 11:08 am

Endotype evaluation of Hispanic/Latinx-American patients with chronic rhinosinusitis with polyps

Arthur Wu, MD, FARS

11:08 am – 11:15 am

Q&A

11:15 am – 12:00 pm

Panel: “CRS Endotypes, Subtypes, and Therapeutics: Where are we and where are we going?”

Moderator: Amber Luong, MD, PhD, FARS

Panelists: Jeremiah Alt, MD, PhD, FARS; Robert Kern, MD, FARS; Stella Lee, MD; Justin Turner, MD, FARS

12:00 pm – 1:00 pm

Lunch with Exhibitors

12:00 pm – 1:00 pm

Diversity & Inclusion, Women in Rhinology, Mentorship, Residents & Fellows Combined Lunch Program

Broadway Ballroom A

“Breaking Barriers: Insights on Improving Diversity and the Pipeline in Medicine”

Moderator: Troy Woodard, MD, FARS

Panelists: Andre Churchwell, MD; Kimberly Vinson, MD

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PROGRAM AT A GLANCE

Saturday, September 30, 2023

8:00 am – 12:00 pm

Breakout 2

Skull Base

Broadway Ballroom CD

Session Chair: Bobby Tajudeen, MD, FARS

7:00 am – 8:00 am

Meet the Authors Poster Viewing & Breakfast

Room: Grand View Terrace Foyer, Second Level

8:00 am – 8:30 am

Panel: “Pediatric Skull Base Surgery in the 21st Century: Advances and Frontiers”

Moderator: David Gudis, MD, FARS

Panelists: Nithin Adappa, MD, FARS; Garret Choby, MD, FARS; Zara Patel, MD, FARS

Sponsored by Pediatric Rhinology Committee

Scientific Oral Presentations: Skull Base Surgery

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

8:30 am – 8:35 am

Mutational landscape and predictors of survival in head and neck mucosal melanoma

Brandon Lehrich, BS

8:36 am – 8:41 am

Genomic and clinical analysis of olfactory neuroblastoma

Theodore Nguyen, BS

8:42 am – 8:47 am

Genomic mutational analysis and predictors of survival in nasopharyngeal carcinoma

Benjamin Bitner, MD

8:48 am – 8:53 am

SNOT-22 subdomain outcomes in sinonasal malignancy: A prospective multi-center study

David Grimm, MS

8:53 am – 9:00 am

Q&A

9:00 am – 9:05 am

Tranexamic acid in endoscopic sinus and skull base surgery: A systematic review and meta-analysis

Sarah Khalife, MD

9:06 am – 9:11 am

The use of Aprepitant to reduce postoperative nausea and vomiting in endoscopic skull base surgery

Daniel Lee, MD, FRCSC

9:12 am – 9:17 am

Predictors of prolonged length of stay following intradural endoscopic skull base surgery

Jonathan Pang, BA

9:18 am – 9:23 am

Quality of life among patients undergoing endoscopic pituitary gland resection with and without middle turbinectomy

Narin N. Carmel Neiderman, MD, MSc

9:23 am – 9:30 am

Q&A

9:30 am – 9:45 am

Targeted Conversations on Important Topics: Next Generation Sequencing in Skull Base Surgery

Moderator: Sanjeet Rangarajan, MD, FARS

Panelists: Corinna Levine, MD, FARS; Peter Papagiannopoulos, MD

9:45 am – 10:15 am

Break with Exhibitors

Scientific Oral Presentations: Rhinology Potpourri

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

10:15 am – 10:20 am

Stellate ganglion block for post-COVID-19 parosmia: Does it work?

Bitu Naimi, BA

10:21 am – 10:26 am

Stellate ganglion block for the treatment of COVID-19-induced olfactory dysfunction: A prospective pilot study

Andrew Peterson, MD, MSCI

10:27 am – 10:32 am

Sinonasal pathogenic bacteria in patients with diabetes mellitus

Trisha Shang, BA

10:33 am – 10:38 am

The role of CCL19 and atypical cytokine receptor CCRL1 in chronic rhinosinusitis

Chengetai Mahomva, MD

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10:39 am – 10:45 am
Q&A

10:45 am – 10:50 am
Real-world comparison of nasal obstruction outcome scores between medial flap turbinoplasty and inferior turbinate submucous resection during concurrent septorhinoplasty
Milind Vasudev, BS

10:51 am – 10:56 am
Cadaveric and computed tomography analysis of the arterial supply and mucosal dimensions of the anterior ethmoid artery flap
Lane Donaldson, MD

10:57 am – 11:02 am
Posterior nasal nerve ablation for management of postnasal drip: A single center case series
Daniel Gorelik, Research Fellow

11:03 am – 11:08 am
Insurance influence and reimbursement on common rhinological procedures
Tyler Janz, MD

11:08 am – 11:15 am
Q&A

11:15 am – 12:00 pm
Panel: “Postoperative Care in Skull Base Surgery: CPAP, Debridement, Rinses and More!”
Moderator: Mathew Geltzeiler, MD, FARS
Panelists: Nyssa Farrell, MD; Edward Kuan, MD, FARS; Mindy Rabinowitz, MD, FARS; Bobby Tajudeen, MD, FARS
Sponsored by the Skull Base and Orbital Surgery Section

12:00 pm – 1:00 pm
Lunch with Exhibitors

12:00 pm – 1:00 pm
Diversity & Inclusion, Women in Rhinology, Mentorship, Residents & Fellows Combined Lunch Program
Broadway Ballroom A
“Breaking Barriers: Insights on Improving Diversity and the Pipeline in Medicine”
Moderator: Troy Woodard, MD, FARS
Panelists: Andre Churchwell, MD; Kimberly Vinson, MD

Saturday, September 30, 2023

8:00 am – 12:00 pm

Breakout 3

Business of Medicine/Clinical Rhinology
Broadway Ballroom GH

Session Chair: Greg Davis, MD, FARS

7:00 am – 8:00 am

Meet the Authors Poster Viewing & Breakfast
Room: Grand View Terrace Foyer, Second Level

8:00 am – 8:30 am

Panel: “Setting Up and Maximizing an ASC for Success”
Moderator: Douglas Reh, MD, FARS
Panelists: Karen Bednarski, MD, FARS; Leah Hauser, MD; Michael Sillers, MD, FARS
Sponsored by Rhinologists in Private Practice Section

Scientific Oral Presentations: Sinus Surgery and Postop Therapies

Moderators: Chadi Makary, MD, FARS; Katie Phillips, MD; William Yao, MD, FARS

8:30 am – 8:35 am

Outcomes and histopathologic features for chronic rhinosinusitis macrolide responders
Madelyn Frank, BA

8:36 am – 8:41 am

Outcomes of “full-house” versus limited endoscopic sinus surgery for chronic rhinosinusitis patients
Shreya Ramkumar, BS

8:42 am – 8:47 am

Factors impacting follow-up care in allergic fungal rhinosinusitis
Jorge Gutierrez, BA

8:48 am – 8:53 am

Efficacy of early postoperative debridement in sinonasal cavity healing after functional endoscopic sinus surgery: A randomized controlled trial
Juan Carlos Hernaiz-Leonardo, MD, MSc

8:53 am – 9:00 am

Q&A

9:00 am – 9:05 am

The effect of low-dose long-term doxycycline on postoperative outcomes in patients with eosinophilic chronic rhinosinusitis
Jin Young Min, MD, PhD

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9:05 am – 9:10 am

High dose ciprofloxacin and azithromycin sinus stent for the treatment of chronic rhinosinusitis

Do-Yeon Cho, MD

9:10 am – 9:15 am

Quantification of retained budesonide dose from high-volume saline irrigation in post-operative chronic rhinosinusitis

Paige Shipman, MS1

9:15 am – 9:20 am

Medication adherence with intranasal corticosteroid irrigations

Jorge Gutierrez, BA

9:20 am - 9:25 am

Evaluation of LYR-220 corticosteroid matrices at week 24 from the BEACON study in CRS

Brent Senior, MD, FARS

9:25 am – 9:30 am

Q&A

9:30 am – 9:45 am

Targeted Conversations on Important Topics: Correct Coding for Office-Based Rhinologic Surgery - Do's and Don'ts

Moderator: R. Peter Manes, MD, FARS

Panelists: Seth Brown, MD, FARS; Toby Steele, MD

9:45 am – 10:15 am

Break with Exhibitors

Scientific Oral Presentations: Diagnosis of Rhinosinusitis and QOL Measures

Moderator: Jean Kim, MD, FARS; Victoria Lee, MD, FARS; Mindy Rabinowitz, MD, FARS

10:15 am – 10:20 am

Development and validation of the sinonasal endoscopic score (SINES) for chronic rhinosinusitis

Juan Carlos Hernaiz-Leonardo, MD, MSc

10:21 am – 10:26 am

Patient perspectives on recall period and response options in patient-reported outcome measures for chronic rhinosinusitis symptomatology: An international multi-centered study

Ahmad Sedaghat, MD, PhD

10:27 am – 10:32 am

The surprising impact of priming on the SNOT-22

Ibtisam Mohammad, MD

10:33 am – 10:38 am

Nasal symptoms, medication usage, nasal endoscopy and patient perspectives as determinants of physician assessment of chronic rhinosinusitis control

Ahmad Sedaghat, MD, PhD

10:39 am – 10:45 am

Q&A

10:45 am – 10:50 am

Variation in computed tomography opacification in sinus disease: A snapshot in time

Glen D'Souza, MD

10:51 am – 10:56 am

Determining the minimal clinically important difference for the questionnaire of olfactory disorders in people with cystic fibrosis and factors associated with improvement after highly effective modulator therapy

Jessa Miller, MD

10:57 am – 11:02 am

Optimization of diagnostic and procedural codes to identify patients with acute invasive fungal sinusitis

Marie-Ange Munyemana, BA

11:03 am – 11:08 am

Impact of recurrent acute rhinosinusitis on quality of life

Zayd Al-Asadi, MD

11:08 am – 11:15 am

Q&A

11:15 am – 12:00 pm

Panel: "How to Build a Rhinology Clinical Niche in a Comprehensive ENT Practice"

Moderator: Greg Davis, MD, FARS

Panelists: Mary Ashmead, MD; Michael Cruz, MD, FARS; Christopher Davis, MD; Michael Setzen, MD, FARS

Sponsored by Rhinologists in Private Practice Section

12:00 pm – 1:00 pm

Lunch with Exhibitors

12:00 pm – 1:00 pm

Diversity & Inclusion, Women in Rhinology, Mentorship, Residents & Fellows Combined Lunch Program

Broadway Ballroom A

"Breaking Barriers: Insights on Improving Diversity and the Pipeline in Medicine"

Moderator: Troy Woodard, MD, FARS

Panelists: Andre Churchwell, MD; Kimberly Vinson, MD

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Saturday, September 30, 2023

1:00 pm – 5:00 pm

General Session

Broadway Ballroom GHJK

1:00 pm – 1:15 pm

ARS Business Meeting and Presidential Citations

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

1:15 pm – 2:00 pm

Hwang Family Lectureship

“The Meaningfulness of Paying It Forward: My 40-Year Journey”

Introduction: Richard Orlandi, MD, FARS

Guest Speaker: Donald Lanza, MD, FARS

Scientific Oral Presentations: Nasal Polyps and Biologics

Moderators: Elisa Illing, MD, FARS; Kenneth Rodriguez, MD; Abtin Tabaee, MD, FARS

2:00 pm – 2:05 pm

Medication use for chronic rhinosinusitis with nasal polyps (CRSwNP) pre and post dupilumab

Emily Garvey, BA

2:06 pm – 2:11 pm

Nasal nitric oxide to compare endoscopic sinus surgery versus dupilumab for CRSwNP

Daniel Lee, MD, FRCSC

2:12 pm – 2:17 pm

Quantifying patient preferences for treating nasal polyps: Biologics vs. surgery

Somtochi Okafor, MD

2:18 pm – 2:23 pm

Sinonasal symptom correlation with the postoperative polyp scale (POPS)

Arthur Wu, MD, FARS

2:23 pm – 2:30 pm

Q&A

2:30 pm – 2:35 pm

Blood IgE and eosinophils are not reliable predictors of nasal inflammation

Andrew Thamboo, MD, MHSc

2:36 pm – 2:41 pm

Ocular surface adverse events associated with dupilumab for treatment of nasal polyps

Austin Swisher, BS

2:42 pm – 2:47 pm

Real world trial for weaning dupilumab from every 2 to every 4 week administration

Emily Garvey, BA

2:48 pm – 2:53 pm

Real-world adverse events after type 2 monoclonal antibody use in chronic rhinosinusitis with nasal polyps

Marisa Dorling, BSc

2:53 pm – 3:00 pm

Q&A

3:00 pm – 3:30 pm

Break with Exhibitors

3:30 pm – 4:15 pm

Combined ARS/AAOA Panel: “Office-Based Procedures Update: Common Procedures & Difficult Cases”

Moderator: Jean Kim, MD, FARS

Panelists: Omar Ahmed, MD, FARS; Charles Ebert, Jr., MD, FARS; Monica Patadia, MD; Elina Toskala, MD, FARS

4:15 pm – 5:00 pm

International Collaborative Panel: “Assessing Septoplasty Outcomes: An International Perspective”

Moderator: Michael Stewart, MD, FARS

Panelists: Sean Carrie, MB, ChB, FRCS, FRCS(ORL); Chang-Hoon Kim, MD; Jern-Lin Leong, MD; Ramandeep Virk, MBBS, MS (ENT)

Sponsored by the International Committee

5:00 pm

Meeting Adjourns

5:00 pm – 7:00 pm

Rhinologists in Private Practice Cocktail Reception

Date Night Bar at Assembly Food Hall

5055 Broadway Place

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PROGRAM AT A GLANCE

POSTERS

Poster #001

A comparative analysis of nasal packing with and without bupivacaine for postoperative pain control after endoscopic endonasal transsphenoidal surgery

Karol Avila-Castano

Poster #002

A computational analysis to investigate anatomical factors associated with increased likelihood of epistaxis from intranasal sprays usage

Katherine Gonzalez, BS

Poster #003

WITHDRAWN

Poster #004

A rare case of chronic invasive curvularia fungal sinusitis

Samuel Hopper, BS

Poster #005

Academic productivity trends of fellowship-trained U.S. academic rhinologists

Michael Warn

Poster #006

Acinic cell carcinoma in the nasal cavity: A case report of a 69-year-old female complaining of nasal congestion

Aileen Beatrice Antonio, MD

Poster #007

An assessment of the quality of artificial intelligence-generated patient counseling for sinusitis

Gregory Hill, MD

Poster #008

Artificial intelligence based semi-automatic segmentation for orbital tumors radiomic measurement

Angela Zhu, BA

Poster #009

WITHDRAWN

Poster #010

Assessing nasal function after definitive rhinoplasty for unilateral cleft lip nasal deformity repairs: A pilot analysis

Elaine Lin, BS

Poster #011

Association of alcohol use with olfactory function among older adults

Khamis Suleiman

Poster #012

Association of chronic rhinosinusitis and autoimmune disorders

Chadi Makary, MD, FARS

Poster #013

Association of prior military service with olfactory function among older adults

Richard Chiu, BS

Poster #014

Baseline olfactory function and prospective assessment of patient-reported outcome measures in patients with nasal septal perforation

Shreya Ramkumar, BS

Poster #015

Biologic therapies for treating chronic sinusitis with nasal polyps: What do patients want to know?

Samuel Razmi, BS

Poster #016

B-LBL presents as sinonasal mass: A case report

Brandon Vilarello, BA

Poster #017

WITHDRAWN

Poster #018

Case report: Rare angiomylipoma of the nasal cavity

Akash Halagur, BA

Poster #019

Cavernous sinus immunoglobulin G4-related disease - A case report

Erika Bradley, RN, BSN

Poster #020

Characteristics of patients requiring revision endoscopic sinus surgery- An 11-year single-institution study

Madison Buras, MD

Poster #021

Characterization of chronic rhinosinusitis by associated medical comorbidities

Tiffany Toni

Poster #022

Choosing wisely in ESS in the era of biologics (CHES)

Neil Verma, MDCM, MSc, FRCSC

Poster #023

Clinical outcomes and complications of endoscopic odonoidectomy: A single institution experience

Ann Powers, MD

Poster #024

Clinical outcomes of bioabsorbable nasal implants for nasal valve collapse: A meta-analysis

Felisha Li, BA

Poster #025

Clinical productivity of fellowship-trained academic rhinologists: An analysis of Medicare metrics

Michael Warn

Poster #026

Cohort study: Pluripotent pituitary adenomas are at higher risk for SIADH

Sabrina Goyal, BS

Poster #027

Combined transnasal, transoral approach for excision of odontogenic cysts offers reduced recurrence rates and favorable sinonasal outcomes

Jennifer Douglas, MD

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Poster #028

Comparing physical and virtual “digital twin” models of endoscopic skull base disorders for preoperative planning

David Ahmadian, BS

Poster #029

Complications of novel radiofrequency device use in otolaryngology: A MAUDE analysis

Sina Torabi, MD

Poster #030

Comprehensive patient-focused medical illustrations to supplement the rhinology surgical consent process

Chase Kahn, MD

Poster #031

Contemporary update on the microbiology of paranasal sinusitis

Alan Workman, MD, MTR

Poster #032

Cranial neuropathies secondary to allergic fungal rhinosinusitis

Ashleigh Halderman, MD

Poster #033

Craniofacial pain locations and outcomes after endoscopic sinus surgery for unilateral sphenoid sinusitis: A multi-institutional study

Richard Pellizzari, BS

Poster #034

CRSwNP patients using biologicals: real-world experience in a reference center

Wilma Anselmo-Lima, PhD

Poster #035

Current otolaryngologic applications of the novel self-assembling RADA-16 peptide matrix

Arthur Wu, MD

Poster #036

Development of a novel quantitative PCR assay for diagnosis of rhinocerebral mucormycosis

Tom Maxim, MD

Poster #037

Differences in patient characteristics with unilateral versus bilateral allergic fungal rhinosinusitis

Sei Chung, MD

Poster #038

Dupilumab improved objective and patient-reported outcomes in patients with chronic rhinosinusitis with nasal polyps (CRSwNP) and complete bilateral nasal obstruction in the sinus-24 and sinus-52 trials

Prof. Claire Hopkins

Poster #039

Efficacy of olfactory training after unilateral anterior skull base resection in patients with olfactory neuroblastoma: A single-center prospective study

Tepei Takeda, MD

Poster #040

Epithelial-myoeepithelial carcinoma of the nasal cavity. An interesting case report and review of the literature

Ariel Waitzman, MD

Poster #041

Eustachian tube recanalization via CO2 guidewire and ureteral stent

Christopher Pool, MD

Poster #042

Evidence for a role of metformin in preventing olfactory dysfunction among older adults

Sahar Assi, MD

Poster #043

WITHDRAWN

Poster #044

Extramedullary plasma cell neoplasm in the nasal cavity: Case presentation

Guillermo Antonio Ramirez, MD

Poster #045

Functional and structural correction of over-reduced noses by non-rib grafts

Mohsen Naraghi, MD, FARS

Poster #046

Gender differences in quality of life in patients with skull base pathologies

Parker Tumlin, MD

Poster #047

Granulomatosis with polyangiitis presenting with skull base inflammation mimicking petrous apicitis: A case report and literature review

Michael Castle, MD

Poster #048

Histopathologic features of patients with noninvasive fungal rhinosinusitis

Tamara Simpson, BA

Poster #049

WITHDRAWN

Poster #050

Impact of insurance status on CSF leak presentation

Ali M. Baird, BS

Poster #051

Impact of LYR-210 corticosteroid matrices on the incidence of acute exacerbations of chronic rhinosinusitis in patients from the LANTERN randomized controlled study

Vineeta Belanger, PhD

Poster #052

Impact of social determinants of health in chronic rhinosinusitis disease severity: A scoping review

Avigeeet Gupta, MD

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Poster #053

Incident diagnosis of granulomatosis with polyangiitis in chronic rhinosinusitis receiving sinus surgery

Trisha Shang, BA

Poster #054

Insight into the mutational landscape of sinonasal squamous cell carcinoma

Arash Abiri, MS

Poster #055

Interleukin(IL)-4 induces loss of smell in mice without disrupting olfactory sensory neuron and epithelial integrity

Dr. Hamid Mattoo

Poster #056

Is it NPC? Endoscopic image recognition of NPC using narrowing band imaging versus white light using deep learning network analysis

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

Poster #057

WITHDRAWN

Poster #058

Locally recurrent nasopharyngeal carcinoma treated with minimally invasive combined transoral robotic and transnasal endoscopic resection: A case report

Abdurrahman Al-Awady

Poster #059

Long term quality of life among patients undergoing endoscopic pituitary gland surgery

Narin N. Carmel Neiderman, MD MSc

Poster #060

WITHDRAWN

Poster #061

Metastatic anterior skull base adenocarcinoma presenting as hearing loss

Margaret Mitchell, MD, MS-HPED

Poster #062

Mutational landscape and predictors of survival in sinonasal undifferentiated carcinoma

Brandon Lehrich, BS

Poster #063

Nasal septal perforation endoscopy score correlates with symptom burden in patients with nasal septal perforations

Amar Miglani, MD

Poster #064

New techniques of reducing intraoperative bleeding in endoscopic sinus surgery for eosinophilic chronic rhinosinusitis cases with asthma

Yoichiro Narikawa, MD

Poster #065

WITHDRAWN

Poster #066

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