

PRESENTATIONS - PROGRAM AT-A-GLANCE

Morning Session

7:00 AM - 12:00 PM CST

7:00 AM-8:00 AM

Women in Rhinology Session (L)

“Being Human: Exploring Conscious & Unconscious Bias in Healthcare”

Guest Speakers:

Tracy Smart, MD, Air Vice-Marshall, Australia

Angela Ballantyne, PhD, Associate Professor, University of Otago, New Zealand

8:00 AM-8:05 AM

Welcome (R)

Joseph Han, MD, FARS and Rodney Schlosser, MD, FARS

8:05 AM – 8:40 AM

Keynote Address: Proposal to Develop and Sustain the Otolaryngology Surgeon Scientist Workforce: AN NIDCD – Academic Partnership (R)

Guest Speaker: Debara L. Tucci, MD, MS, MBA

Director, National Institute of Deafness and Other Communication Disorders, National Institute of Health

Moderators: Joshua Levy, MD, FARS; Jose Mattos, MD; Kara Detwiller, MD

8:40 AM-8:47 AM

Dupilumab therapy increases sinonasal mucosal expression of IL-13 in CRSwNP (R)

Presented by Kathleen M. Kelly, MD

8:47 AM-8:54 AM

Inflammatory heterogeneity in aspirin exacerbated respiratory disease (R)

William Scott, MD

8:54 AM- 9:01 AM

Targeted replacement of full-length CFTR in human airway stem cells by CRISPR/Cas9 gene editing of the endogenous locus (R)

Dawn Bravo, PhD

9:01 AM-9:06 AM Q&A (L)

9:06 AM-9:13 AM

Fractional exhaled nitric oxide as a biomarker of mucosal inflammation in chronic rhinosinusitis (R)

Stella Lee, MD

9:13 AM-9:20 AM

Chronic particulate matter air pollution exposure is associated with anosmia: A Case: Control Study (R)

Murugappan Ramanathan, Jr., MD, FARS

9:20 AM-9:27 AM

A new instrument for measurement of clinical outcome after lacrimal surgery: Tearing assessment and rating scale-12 (TEARS-12) (R)

Jonathan Simmonds, MD

9:27 AM-9:32 AM Q&A

9:32 AM-9:47 AM Break

9:47 AM-10:27AM

Panel:

Inclusive care for diverse rhinology patients (L)

Moderator: Rodney J. Schlosser, MD, FARS

Panelists: Jean Anderson Eloy, MD, FARS; Devyani Lal, MD, FARS; David Gudis, MD, FARS; Troy Woodard, MD, FARS

Moderators: Stella Lee, MD; Daniel Beswick, MD, FARS; Do Yeon Cho, MD

10:27 AM-10:34 AM

The relationship of bitter taste receptors and COVID-19 (R)

Mohamed Darwish, MD

10:34 AM-10:41 AM

SARS-CoV-2 infection of human nasal mucosa in vitro is increased in CRSsNP (R)

Andrew Lane, MD, FARS

10:41 AM-10:48 AM

Risks factors and characteristics associated with persistent smell loss with COVID-19 (R)

Bitu Shahrvini

10:48 AM-10:53 AM Q&A (L)

10:53 AM-11:00 AM

Ambient noise levels and wireless headsets for communication in aerosolizing otolaryngology surgery during COVID-19 (R)

Marc Levin, MD

11:00 AM-11:07 AM

Assessment of Patient Recognition of COVID-19-associated Olfactory Loss and Recovery – A Longitudinal Study (R)

Divya Prajapati, BS

11:07 AM-11:14 AM

Differential smell and taste outcomes in COVID 19: Single-center large population study (R)

Nikita Chapurin, MD

11:14 AM-11:20 AM Q&A (L)

11:20 AM-12:00 PM

Panel

COVID-19 and rhinology: An international update (L)

Moderator: Zara Patel, MD, FARS

Panelists: Carol Yan, MD; Claire Hopkins, MD; Leigh Sowerby, MD; Puya Dehgani-Mobaski, MD; Benjamin Bleier, MD, FARS

12:00 PM-1:00 PM

Lunch/Visit with Exhibitors

Afternoon Session

1:00 PM - 5:00 PM CST; Room A

1:00 PM-1:40 PM

Panel:

Current and future changes to rhinology education (L)

Moderator: Stacey Gray, MD, FARS

Panelists: Eugene Chang, MD, FARS; Elina Toskala, MD, FARS; Mark Tewfik, MD; David Poetker, MD, FARS

Moderators: Waleed Abuzeid, MD; Adam DeConde, MD; Dana Crosby, MD, FARS

1:41 PM-1:48 PM

Implementation of time-driven activity-based costing to analyze cost drivers in functional endoscopic sinus surgery (R)

Shravani Pathak, BA

1:48 PM-1:55 PM

Are NSAIDs effective enough for postoperative pain control after functional endoscopic sinus surgery and septoplasty: A randomized controlled study (R)

Alok Saini, MD

1:55 PM-2:02 PM

Effect of nasal suction catheters on aerosol generation during endoscopic sinus surgery (R)

Alexander Murr, BS

2:02 PM-2:09 PM

Postoperative care trends between fellowship and non-fellowship trained physicians following ESS: 2017 (R)

Monica Kirolos, BS

2:09 PM-2:14 PM **Q&A (L)**

Moderators: Andrew Lane, MD, FARS; Charles Riley, MD; Kristine Smith, MD

2:15 PM-2:22 PM

Endoscopic sinus surgery for chronic rhinosinusitis: 5-year clinical outcomes (R)

Jonathan Simmonds, MD

2:22 PM-2:29 PM

The relationship between socioeconomic status, exposure to airway pollutants and impact on chronic rhinosinusitis disease severity (R)

Stella Lee, MD

2:29 PM-2:36 PM

The association between modified frailty index and postoperative outcomes in endoscopic sinus surgery (R)

Khodayar Goshtasbi, MS

2:36 PM-2:43 PM

Results from the LANTERN phase 2 multicenter dose-ranging study evaluating the safety and efficacy of LYR-210 in chronic rhinosinusitis with or without nasal polyps (R)

Yina Kuang, PhD

Presented by Anders Cervin, MD, PhD

2:43 PM-2:48 PM **Q&A (L)**

2:48 PM-3:05 PM **Break**

Moderators: Jean Kim, MD, FARS; Garret Choby, MD, FARS; Victoria Lee, MD

3:05 PM-3:12 PM

Racial, ethnic, and gender disparities in registered clinical trials for chronic rhinosinusitis with nasal polyposis (R)

Daniel Spielman, MD

3:12 PM-3:19 PM

Diagnosis and management of barosinusitis: A systematic review (R)

Tiffany Chen, BA

3:19 PM-3:26 PM

Marsupialization with a mucosal graft reduces recurrence after endonasal surgery of Rathke's cleft cyst (R)

Mandy Salmon, BS

3:26 PM-3:33 PM

The effect of obstructive sleep apnea on surgical outcomes of orbital decompression for thyroid eye disease (R)

Tory McKnight, BS

3:33 PM-3:38 PM **Q&A (L)**

Moderators: Marilene Wang, MD, FARS; Mathew Geltzeiler, MD, FARS; Gretchen Oakley, MD, FARS

3:39 PM-3:46 PM

Race, disease-specific survival, and conditional survival in primary sinus malignancies (R)

Rahul Sharma, BS

3:46 PM-3:53 PM

Factors associated with delivery of postoperative radiotherapy at a different facility in sinonasal cancer (R)

Jeff Gao

3:53 PM-4:00 PM

Trends in HPV testing for patients with sinonasal squamous cell carcinoma: A national analysis (R)

Christopher Tseng, BS

4:00 PM-4:07 PM

Can indocyanine green fluorescence angiography predict skull base reconstructive flap necrosis? (R)

Uma Ramaswamy, MD

4:07 PM-4:12PM **Q&A (L)**

4:15 PM-5:00 PM

Panel

Beyond "I can do it endoscopically": Enhancing patient care in the current era of skull base surgery (L)

Moderator: Richard Harvey, MD, FARS

Panelists: Brian Thorp, MD, FARS; Corinna Levine, MD, FARS; Nicholas Rowan, MD

Afternoon Session

1:00 PM - 5:00 PM CST; Room B

Moderators: Cecelia Damask, DO; Jonathan Ting, MD, FARS; Eric Wang, MD, FARS

1:00 PM-1:07 PM

Resonant vibration of the sinonasal cavities for the treatment of nasal congestion (R)

Ashoke Khanwalkar, MD

1:07 PM-1:14 PM

Baseline subjective and objective measures in patients with allergic rhinitis: A systematic review (R)

Andraia Li, BS

1:14 PM-1:21 PM

Hypothalamic-Pituitary-Adrenal (HPA) axis suppression and long-term intra-nasal corticosteroid use: A systematic review and meta-analysis (R)

Amirpouyan Namavarian

1:21 PM-1:28 PM

Radiological assessment of high anterior septal deviation and its impact on sinus access (R)

Joshua Lee, MD

1:28 AM-1:33 PM **Q&A (L)**

Moderators: Christine Franzese, MD, FARS; Naweed Chowdhury, MD; Arthur Wu, MD, FARS

1:34 PM-1:41 PM

Inhibiting the TH2 pathway with dupilumab causes a shift to type 1 inflammatory cytokine production (R)

Stella Lee, MD

1:41 PM-1:48 PM

Treatment outcomes of AERD (Aspirin Exacerbated Respiratory Disease) patients treated with aspirin desensitization (AD), biologics (B) or both biologics and desensitization (BD) therapy (R)

Glen D'Souza, MD

1:48 PM-1:55 PM

Asthma increases long-term revision rates of endoscopic sinus surgery in chronic rhinosinusitis with and without nasal polyposis (R)

Amarbir Gill, MD

1:55 PM-2:02PM

Central compartment atopic disease: Comparative analysis of surgical outcomes amongst subtypes of chronic rhinosinusitis with nasal polyps (R)

Andrew Steehler, BS

2:02 PM-2:07 PM **Q&A (L)**

2:07 PM-2:25 PM **Break**

2:25 PM-3:10 PM

Panel

Where do biologics fit in the management algorithm of Aspirin Exacerbated Respiratory Disease? (L)

Moderator: Amber Luong, MD, PhD, FARS

Panelists: John Bosso, MD; Tanya Laidlaw, MD; Justin Turner, MD, FARS; Lauren Roland, MD

Moderators: Michael Kohanski, MD; Nyal London, MD; Angela Donaldson, MD, FARS

3:10 PM-3:17 PM

Adverse events of oral antibiotic therapy for acute rhinosinusitis in the pediatric population: A systematic review and meta-analysis (R)

Lucas Axiotakis

3:17 PM-3:24 PM

A novel oxygen-generating biomaterial for CRS therapy (R)

Do Yeon Cho, MD

3:24 PM-3:31 PM

Endoscopic sinus surgery for Cystic Fibrosis: Variables influencing sinonasal and pulmonary outcomes (R)

Keven Ji, MD

3:31 PM-3:38 PM

Topical nasal administration of ciprofloxacin in chronic rhinosinusitis: a prospective study (R)

David Dias, MD

3:38 PM-3:43 PM **Q&A (L)**

Moderators: John Craig, MD, FARS; David Jang, MD, FARS; Alissa Kanaan, MD

3:44 PM-3:51 PM

Systematic review and voxel-based meta-analysis of gray matter alterations in olfactory dysfunction (R)

Andraia Li, BS

3:51 PM-3:58 PM

Association between social determinants of health and olfactory function: A scoping review (R)

Joel James, BS

3:58 PM-4:05 PM

Intraoperative application of CNN-automated segmentation of anterior skull base structures with a novel 3D navigation system (R)

Caio Neves, MD

4:05 PM-4:12 PM

Treatment of epistaxis using the National Inpatient Sample and Centers for Medicare/Medicaid Services national databases: A comparison of endovascular and endoscopic procedures (R)

Tory McKnight, BS

4:12 PM-4:17 PM **Q&A (L)**

Moderators: Erin O'Brien, MD, FARS; Frederick Yoo, MD; Philip Chen, MD, FARS

4:18 PM-4:25 PM

Clinical features of parosmia associated with SARS-CoV-2 infection (R)

Katherine Garvey, MPH

4:25 PM-4:32 PM

COVID-19 related olfactory dysfunction incidence and natural history among ambulatory patients (R)

Daniel Bacon, BS

4:32 PM-4:39 PM

Telehealth and the otolaryngology patient: A comparison of patient satisfaction with in-office appointments and virtual visits due to COVID-19 (R)

Annie Arrighi-Allisan, BA

4:39 PM-4:46 PM

COVID smell tracker: A novel research-based mobile application to study anosmia and ageusia in subjects with COVID-19 (R)

Tory McKnight, BS

4:46 PM-4:53 PM

Middle East burn pit exposure is associated with decreased sinonasal quality of life in returning deployers (R)

Christopher Hill, MD

4:53 PM-5:00 PM **Q&A (L)**

COSM 2021 | POSTERS

Poster #001

3D printing as a planning tool to optimize post-surgical sinonasal sinus irrigation

Kanghyun Kim, BS

Poster #002

A Multidisciplinary Approach to Sino-Orbital Osteoma

James Connelly, BA

Poster #003

Adverse events associated with corticosteroid-eluting sinus stents

Vishal Narwani, MD

Poster #004

Analyzing the practice patterns of otolaryngologists in the United States during the COVID-19 pandemic

Laura Van De Laar, MD

Poster #005

Atypical cause of facial nerve palsy and otorrhea: Sinonasal squamous cell carcinoma with direct spread to both ears

Jason Lim, MBBS (Hons)

Poster #006

Can the 5-item modified frailty index predict outcomes following resection of intradural skull base lesions

Khodayar Goshtasbi, MS

Poster #007

Case report: Sinonasal tumor - a diagnostic conundrum

Haran Devakumar, MBBS

Poster #008

Combined exhalational delivery system with fluticasone and budesonide nasal irrigations in patients with chronic rhinosinusitis with nasal polyposis: A preliminary report

Rosalie Machado

Poster #009

Conditional and overall disease-specific survival in patients with sinus cancer: Improved outcomes in the endoscopic era

Rahul Sharma, BS

Poster #010

Correlation between the ENT domain of Birmingham Vasculitis Activity Score (BVAS) and the Rhinosinusitis Disability Index (RSDI)

Daniel Bacon, BS

Poster #011

Cytotoxic effects of permethrin on cultured human sinonasal epithelial cells

Tara Wu, MD

Poster #012

Development of a multi-media educational module of sinonasal anatomy: Face and content validity

Christopher Bailey, MD, PhD

Poster #013

Diagnosis and localization of cerebrospinal fluid rhinorrhea: A systematic review

Kelvin Zhou, Medical Student

Poster #014

Diffuse nasal papillomatosis of multiple histologic subtypes

Thomas Fitzpatrick, MD

Poster #015

Does eustachian tube dilation help patients with type A tympanograms and elevated ETDQ-7 scores?

Danielle Warner, MD

Poster #016

Embolization following SPA ligation: Outcomes and risk factors for recurrent bleeding

Teddy Klug, MD

Poster #017

Evaluating correlation between different nasal septum deviation classifications systems and patients complaints

David Dias, MD

Poster #018

Ganglioneurofibroma of the pterygopalatine fossa: case report and review of the literature

Kathryn L. Kreicher, MD

Poster #019

Giant cell lesions of the sinuses and skull base: Case series and review of literature

Samyuktha Melachuri, BS

Poster #020

Impact of CFTR therapy on CRS: Deep learning sinus CT analysis, quality of life and productivity loss

Daniel Beswick, MD, FARS

Poster #021

Impact of COVID-19 on resident otolaryngology training

Akshay Murthy, BS

Poster #022

Impact of obesity on surgical outcomes in patients with chronic rhinosinusitis undergoing endoscopic sinus surgery

Viraj Patel, MD

Poster #023

Longitudinal analysis of Twitter trends for sinusitis

Lydia Weykamp, BS

Poster #024

Magnetic resonance imaging findings in patients with olfactory dysfunction: A systematic review

Nanki Hura, BS

Poster #025

Management of skull base chondromyxoid fibroma: Rare presentation and literature review

Elizabeth Stephenson, MD

Poster #026

Mepolizumab reduces the need for surgery in patients with chronic rhinosinusitis with nasal polyps

Wytse Fokkens, MD, PhD

Poster #027

Minimally invasive endoscopic distraction osteogenesis maxillary expansion (DOME- MinE): Restoring nasal breathing in adult OSA patients with high arched palates

Mohamed Abdelwahab, MD

Poster #028

Mucocele of the maxilla as a late complication of maxillary advancement surgery

Bishoy N. Ibrahim, BS

Poster #029

Nasoseptal chondromucosal flap for oroantral fistulas

Andi Liebowitz, BA

Poster #030

Olfactory dysfunction predicts the development of vascular disease in older adults

Teresa Xiao, Medical Student

Poster #031

Olfactory outcomes after technical variations in transsphenoidal endoscopic skull base surgery

Jack Birkenbeuel, Medical Student

Poster #032

Otolaryngologist assessment of nasal septum deviation

Roberto Frusciante, MS4 Medical Student

Poster #033

Postoperative pain management after hereditary hemorrhagic telangiectasis lesion coblation: a prospective study

Kristen Kraimer, MD

Poster #034

Predictors of post-operative nausea and vomiting after endoscopic skull base surgery

Jack Birkenbeuel, Medical Student

Poster #035

Profuse intraoperative hemorrhage in a hereditary hemorrhagic telangiectasia patient: A case report

Chetan Safi, Resident Physician

Poster #036

Reduction in visits to emergency department for acute rhinologic and allergic complaints during COVID-19 pandemic

Evan Kominsky, BA

Poster #037

Safety of nasopharyngeal swabs: are patients getting the accurate recommendations?

Taylor Fish, BS

Poster #038

Severe bilateral orbital subperiosteal abscesses in a patient with Woakes Syndrome

Anthony Leonard, MD, PhD

Poster #039

Simultaneous use of endoscopic and endovascular technique to control refractory epistaxis

Janine Rotsides, MD

Poster #040

Sinus culture differences between patients with radiographic signs of odontogenic sinus disease

Tyler Merrill, MD

Poster #041

Sinusitis in the Bronx: Impact of demographics, patient characteristics, and socioeconomic status on disease epidemiology and outcomes

Viraj Patel, MD

Poster #042

Survey of anesthesiologists on topical vasoconstrictors and intravenous tranexamic acid for endoscopic sinus surgery

Max Feng, BS

Poster #043

The power of Twitter to identify novel symptoms in COVID-19

William Swift, BS

Poster #044

Transeyelid orbitotomy approach for isolated type IV frontal cell pathology: A case series and systematic review of the literature

Tara Wu, MD

Poster #045

Transorbital-transsinus resection of sinonasal malignancies with extraconal orbital invasion

Jeffrey Radabaugh, MD

Poster #046

Unusual cause of acute sinusitis and orbital abscess in COVID-19 positive patient

Teddy Klug, MD

Poster #047

Workforce analysis of allergy immunotherapy Medicare providers

Tam Ramsey, MD