

Hyatt Regency Dallas, TX | April 28-29, 2022

PRESENTATIONS - PROGRAM AT-A-GLANCE

Thursday, April 28, 2022 Morning Session 8:00 am – 12:00 pm CST Landmark Ballroom C

8:00 am - 8:05 am

Welcome & Introduction

Rodney Schlosser, MD, FARS; Sarah Wise, MD, FARS

Scientific Oral Presentations: Top Rated Abstracts - Session I

Moderators: Kara Detwiller, MD, FARS; Charles Ebert, MD,

FARS; Jose Mattos, MD

8:05 am - 8:13 am

Non-allergic rhinitis and air pollution exposure

Zechariah Franks, MD

8:14 am - 8:22 am

A comparative analysis of endoscopic sinus surgery versus biologics

Amar Miglani, MD

8:23 am - 8:31 am

Association of cytokine profile with treatment failure and revision sinus surgery in CRS

Elizabeth Longino, MD

8:32 am - 8:40 am

Impact of long-acting implantable corticosteroid matrices on SNOT-22 subdomains in CRS patients

Anders Cervin, MD, PhD

8:41 am - 8:49 am

Effect of bevacizumab injection on epistaxis in HHT patients undergoing surgical cauterization

Ashoke Khanwalkar, MD

8:50 am - 8:55 am

Q&A

8:55 am - 9:04 am

Awards Ceremony

Jean Kim, MD, FARS

9:05 am - 9:45 am

PANEL: Revisiting the Controversial Role of Fungi in CRS: Examination of Allergic Fungal Rhinosinusitis

Moderator: Amber Luong, MD, PhD, FARS

Panelists: Amin Javer, MD, FARS; Joshua Levy, MD, FARS;

Matthew Ryan, MD, FARS

Sponsored by Allergy & Immunology in Rhinology Section

9:45 am - 10:15 am

Break with Exhibitors - Marsalis Hall

Scientific Oral Presentations: Top Rated Abstracts - Session II

Moderators: Naweed Chowdhury, MD; Ashleigh Halderman, MD, FARS; David Jang, MD, FARS

10:15 am - 10:23 am

Chronic IL-13 expression in mouse olfactory mucosa results in progressively aneuronal epithelium

Ani Saraswathula, MD

10:24 am - 10:32 am

Unsupervised clustering of olfactory phenotypes

Rodney Schlosser, MD, FARS

10:33 am - 10:41 am

Olfactory epithelium tropism of SARS-CoV-2 and agedependent intracranial spread via olfactory axons

Andrew Lane, MD, FARS

10:42 am - 10:50 am

Determinants of SARS-CoV-2 entry and replication in airway mucosa and susceptibility in smokers

Jayakar Nayak, MD, PhD

10:51 am - 10:59 am

Non-invasive biomarker and artificial intelligence model for differentiation of CRSwNP and CRSsNP

Sarina Mueller, MD

11:00 am - 11:05 am

Q&A

11:05 am - 11:20 am

TARGETED CONVERSATIONS ON IMPORTANT TOPICS:

Humanitarian Efforts in Rhinology

Moderator: Danielle Warner, MD, FARS

Anthony Del Signore, MD; Rodney Schlosser, MD, FARS

11:20 am - 12:00 pm

PANEL: Cystic Fibrosis CRS: A New Era

Moderator: Ashleigh Halderman, MD, FARS

Panelists: Daniel Beswick, MD, FARS; Do-Yeon Cho, MD; David

Gudis, MD, FARS; Stella Lee, MD

Sponsored by the Pediatric Rhinology Committee

12:00 pm - 1:00 pm

Lunch with Exhibitors - Marsalis Hall



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Thursday, April 28, 2022 Afternoon Session 1:00 pm – 5:00 pm CST Landmark Ballroom C

Scientific Oral Presentations: COVID-19 and Olfaction

Moderators: Angela Donaldson, MD, FARS; Nicholas Rowan, MD; Ahmad Sedaghat, MD

1:00 pm - 1:06 pm

Nasal inflammation in COVID-19

Katherine Chang, MD

1:07 pm - 1:13 pm

COVID-19 versus CRS/rhinitis associated olfactory dysfunction on health utility and quality of life

Thanh Luong, BS

1:14 pm - 1:20 pm

A longitudinal study of olfactory dysfunction and parosmia in mild COVID-19 cases

Aurelia Monk, BA

1:21pm - 1:27 pm

Long term olfactory dysfunction in COVID-19

Andy Chua, MBBS

1:28 pm - 1:34 pm

Impact of saline irrigations in non-hospitalized patients with COVID-19

Kyle Kimura, MD

1:35 pm - 1:40 pm

Q&A

1:40 pm - 1:55 pm

TARGETED CONVERSATIONS ON IMPORTANT TOPICS: Current Treatment for COVID-induced Olfactory Loss

Moderator: Dana Crosby, MD, FARS Carol Yan, MD; Peter Hwang, MD, FARS

1:55 pm - 2:45 pm

KEYNOTE SPEAKER: Wayne Sotile, PhD

Title: "Resilience"

Combined ARS, ALA, AHNS Session

Presented Virtually

2:45 pm - 3:15 pm

Break with Exhibitors - Marsalis Hall

Scientific Oral Presentations: Sinus Surgery

Moderators: Elisabeth Ference, MD, FARS; Marilene Wang, MD, FARS; Zachary Soler, MD, FARS

3:15 pm - 3:21 pm

Development of an endoscopic sinus surgery preoperative checklist with the Delphi method

Stephen Leong, BA

3:22 pm - 3:28 pm

Long-duration pain block for postoperative analgesia after sinus surgery

Jessica Bishop, MD

3:29 pm - 3:35 pm

3D models to accelerate resident surgical learning curve for endoscopic sinus surgery techniques

Jumah Ahmad, MD

3:36 pm - 3:42 pm

Image-guided surgical device failures in functional endoscopic sinus surgery: a MAUDE analysis

Samir Hassanin, BA

3:43 pm - 3:49 pm

Ergonomic analysis of hand fatigue in endoscopic sinus surgery

Mason Krysinski, MD

3:50pm - 3:56 pm

Measurements of foot-pedal reaction time and hand accuracy in seated vs. standing position

Bennett Ahearn

3:57 pm - 4:05 pm

Q&A

4:05 pm - 4:20 pm

TARGETED CONVERSATIONS ON IMPORTANT TOPICS:

Biologics vs Sinus Surgery: Is it either/or?

Moderator: Jivianne Lee, MD, FARS

Kevin Welch, MD, FARS; David Kennedy, MD, FARS

4:20 pm - 5:00 pm

PANEL: Ergonomics, Longevity, and Wellness in Sinus and

Skull Base Surgery

Moderator: Vijay Ramakrishnan, MD, FARS

Panelists: Raewyn Campbell, MD, FARS; Sanjeet Rangarajan, MD, FARS; Renee Witherspoon, Occupational Hygiene and Safety Manager, Research, Campus, and Environmental Safety

5:00 pm - 5:10 pm Business Meeting

5:30 pm - 7:00 pm

ARS President's Welcome Reception - Reunion C



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Friday, April 29, 2022 **Morning Session** 7:00 am - 12:00 pm CST Landmark Ballroom C

7:00 am - 8:00 am **BREAKFAST SESSION**

Guest Speaker: Wayne Sotile, PhD

Title: "The Medical Family"

Presented Virtually

Sponsored by the Women in Rhinology Section and Diversity &

Inclusion Committee

Scientific Oral Presentations: Rhinologic Procedures & Skull Base

Moderators: Mathew Geltzeiler, MD, FARS; Abtin Tabaee, MD,

FARS; Elina Toskala, MD, FARS

8:00 am - 8:06 am

Randomized controlled trial for nasal packing post HHT laser treatment

Justin Pyne, MD

8:07 am - 8:13 am

Middle turbinate attachment's relationship with in-office procedure response for vasomotor rhinitis

Omar G. Ahmed, MD

8:14 am - 8:20 am

Does septoplasty and inferior turbinate reduction impact exercise capacity? A prospective study

Sei Chung, MD

8:21 am - 8:27 am

The incidence of new-onset postoperative diplopia after medial & inferior orbital wall decompression

Tory McKnight, BS

8:28 am - 8:34 am

SNOT-22 scores after repair of CSF rhinorrhea

Matthew Liu, BS

8:35am - 8:41 am

Transverse venous sinus stenting in idiopathic intracranial hypertension

Peter Filip, MD

8:42 am - 8:50 am

Q&A

8:50 am - 9:30 am

PANEL: Endoscopic Skull Base Surgery: Considerations Across the Lifespan

Moderator: Stacey Gray, MD, FARS Panelists: Nithin Adappa, MD, FARS; Roy Casiano, MD, FARS;

Uma Ramaswamy, MD; Meghan Wilson, MD

Sponsored by Skull Base and Orbital Surgery & Women in

Rhinology Sections

9:30 am - 9:45 am

TARGETED CONVERSATIONS ON IMPORTANT TOPICS:

Managing the Orbit in Invasive Fungal Sinusitis

Moderator: Corinna Levine, MD, FARS

Justin Turner, MD, FARS; John DelGaudio, MD, FARS

9:45 am - 10:15 am

Break with Exhibitors - Marsalis Hall

Scientific Oral Presentations: Systemic Diseases **Associated with Rhinologic Conditions**

Moderators: Cecelia Damask, DO; Sonya Marcus, MD; Jeffrey

Suh, MD, FARS

10:15 am - 10:21 am

Radiologic improvement in chronic rhinosinusitis in patients

with CF treated with CFTR modulators

Tyler Merrill, MD

10:22 am - 10:28 am

Correlations between sinus CT and quality of life

improvement with CFTR modulator therapy Jessa Miller, Resident Physician

10:29 am - 10:35 am

Cystic fibrosis responders to endoscopic sinus surgery

Ashleigh Halderman, MD, FARS

10:36 am - 10:42 am

Cystic fibrosis chronic rhinosinusitis: An evidenced-based

review with recommendations

Daniel Spielman, MD

10:43 am - 10:49 am

Genetics and olfactory dysfunction in primary ciliary dyskinesia

Zainab Farzal, MD, MPH

10:50 am - 10:56 am

Olfactory decline predicts frailty in older US adults with

chronic lung disease

Esther Wang, BS

10:57 am - 11:05 am

Q&A

11:05 am - 11:20 am

TARGETED CONVERSATIONS ON IMPORTANT TOPICS:

Social Media in Rhinology

Moderator: Greg Davis, MD, FARS

Zara Patel, MD, FARS; Michael Setzen, MD, FARS



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Scientific Oral Presentations: Pathophysiology and Mechanisms

Moderators: Esther Kim, MD; Edward Kuan, MD, FARS; Nyall London, MD, FARS

11:20 am - 11:26 am

Nitric oxide generating microparticles: anti-biofilm efficacy and sinonasal epithelial cell toxicity

Kevin Li, MD

11:27 am - 11:33 am

Denatonium-responsive bitter receptors and AERD Jennifer Douglas, MD

11:34 am - 11:40 am

Succinate activates solitary chemosensory cells (SCCs) in the nose

Elizabeth Sell, Medical Student

11:41 am - 11:47 am

Pseudomonas biofilms in patients with chronic rhinosinusitis Sarah Khalife, MD

11:48 am - 11:54 am

In-vitro release of triamcinolone acetonide from saturated sinus dressings

Do-Yeon Cho, MD

11:55 am - 12:00 pm

Q&A

12:00

Meeting Adjourns

Friday, April 29, 2022 Morning Breakout Session 8:00 am – 12:00 pm CST Reunion Ballroom C

Scientific Oral Presentations: Patient Perceptions and Social Determinants

Moderators: Edward McCoul, MD, FARS; Theodore Schuman, MD, FARS; Zara Patel, MD, FARS

8:00 am – 8:06 am

Sinonasal outcomes in patients treated for AERD Glen D'Souza. MD

8:07 am - 8:13 am

Quality of life in CRS patients treated with long-acting implantable corticosteroid matrices

Anders Cervin, MD, PhD

8:14 am - 8:20 am

I got sinus - what do we mean when we have a 'sinus infection'?

Edward McCoul, MD, FARS

8:21 am - 8:27 am

The rising cost of rhinological medications: a NADAC analysis

Milind Vasudev, BS

8:28 am - 8:34 am

Health literacy in rhinology patients

Abdullah Zeatoun, MD

8:35 am - 8:41 am

Impact of social determinants of health on access to rhinology care and patient outcomes

Esther Wang, BS

8:42 am - 8:50 am

Q&A

8:50 am - 9:10 am

A CONVERSATION WITH THE EDITOR-IN-CHIEF: Preparing a Publishable Paper

Lauren Roland, MD; Timothy Smith, MD, FARS

9:10 am - 9:30 am

TIPS FROM THE EXPERTS: Starting a Career as a Surgeon-Scientist

Moderator: Victoria Lee, MD

Panelists: Noam Cohen, MD, FARS; Andrew Lane, MD, FARS

9:30 am - 9:45 am

TARGETED CONVERSATIONS ON IMPORTANT TOPICS: Odontogenic Sinusitis

Moderator: Angela Donaldson, MD, FARS

Panelists: John Craig, MD, FARS; Todd Kingdom, MD, FARS

9:45 am - 10:15 am

Break with Exhibitors - Marsalis Hall

Scientific Oral Presentations: Pathophysiology and Mechanisms

Moderators: Mark Arnold, MD; Philip Chen, MD, FARS; Mindy Rabinowitz, MD, FARS

10:15 am - 10:21 am

Is there a correlation between radiographic and histologic findings in rhinosinusitis?

Do-Yeon Cho, MD

10:22 am - 10:28 am

Site-specific detection and differential expression of inflammatory markers in the sinonasal mucosa

Wesley Stepp, MD, PhD

10:29 am - 10:35 am

Association between specific endotypes and the presence of discharge or edema after ESS for CRS

Eli Stein, Medical Student



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10:36 am - 10:42 am

Histopathologic differences in adult and pediatric patients with chronic rhinosinusitis

Sarah Khalife, MD

10:43 am - 10:49 am

Tissue eosinophilia is a superior metric compared to polyp status for RNA sequencing in CRS tissue

Tripti Kaur Brar, MBBS, MD

10:50 am - 10:56 am

HIF1-alpha regulates human nasal epithelial cell growth in nasal polyposis

Austin Mattox, Medical Student

10:57 am - 11:05 am

Q&A

11:05 am - 11:19 am

TARGETED CONVERSATIONS ON IMPORTANT TOPICS: Standard of Care in Extended Frontal Sinus Surgery: Does Anyone Learn Osteoplastic Flaps Anymore?

Moderator: Raj Sindwani, MD, FARS

Panelists: Stacey Gray, MD, FARS; James Palmer, MD, FARS

Scientific Oral Presentations: Symptom and QOL Measures in Rhinologic Conditions

Moderators: Naveen Bhandarkar, MD, FARS; Garret Choby, MD, FARS; Stephanie Joe, MD, FARS

11:20 am - 11:26 am

Sham-controlled trial of a novel device for the treatment of viral upper respiratory tract infection

Thomas Edwards, MD

11:27 am - 11:33 am

Eustachian tube dysfunction (ETD) in chronic rhinosinusitis with comparison to primary ETD

Tiffany Chen, Clinical Research Fellow

11:34 am - 11:40 am

CRS in asthma is not associated with worse Asthma Control Test responses

Amarbir Gill, MD

11:41 am - 11:47 am

Correlations between three validated olfactory tests Michael Shih, BS

11:48 am - 11:54 am

Drug-induced olfactory and gustatory dysfunction

Peter Debbaneh, MD

11:55 am - 12:00 pm

Q&A

12:00 pm

Meeting Adjourns

Posters

1st Combined Group
ARS, AAFPRS, AHNS, ALA (Marsalis Hall)

Wednesday, April 27

Poster Viewing: 1:00 pm - 7:00 pm Meet the Authors: 5:30 pm - 6:00 pm

Thursday, April 28

Poster Viewing: 9:00 am - 7:00 pm Meet the Authors: 5:30 pm - 6:00 pm

Poster C001

A population-based analysis of nodal and distant metastases in sinonasal adenoid cystic carcinoma

Jack Birkenbeuel, BS

University of California, Irvine

Poster C002

Advances in 3D printing for patient specific sinus and skull base surgery

Ricardo Pulido, MD

Poster C003

An objective evaluation of popular nasal irrigation systems Garret Berk, BS

Poster C004

Antibiotic irrigations for acute on chronic rhinosinusitis in patients with identical drug allergies

Jessa Miller, MD

UCLA

Poster C005

AROMA: Real-world global registry to assess long-term outcomes of Dupilumab treatment in CRSwNP

Adam Chaker

Technical University of Munich

Poster C006

Assessing the efficacy of sclerotherapy in patients with hereditary hemorrhagic telangiectasia

Anna Jenkins, Medical Student Mayo Clinic School Alix of Medicine

Poster C007

Association between hypoalbuminemia and postoperative outcomes of pituitary tumor resection

Sree Chinta

Poster C008

Association of frailty with surgical outcomes with transoral approach to the cervical spine

Mehdi Lemdani, BA

Rutgers New Jersey Medical School



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Poster C009

Chronic rhinosinusitis and sickness behavior: Cytokine profile systematic review

Wasiq Nadeem, BS UT Health San Antonio

Poster C010

Chronic rhinosinusitis and statins

Mustafa Bulbul, MD, MPH

Poster C011

Combined endoscopic sinus surgery and septal perforation repair: SNOT-22 outcomes and closure rates

Tripti Kaur Brar, MBBS, MD Mayo Clinic, Arizona

Poster C012

Comorbid psychological and pain diagnoses in the pauciinflammatory endotype of CRS

Alex Labby, MD

Vanderbilt University Medical Center

Poster C013

Comparison of endoscopic polyp grading scales

Seth Jeong, BA

Poster C014

Complicated sinusitis secondary to streptococcus

intermedius: A pediatric case series

Alexander Duffy, MD

Thomas Jefferson University Hospital

Poster C015

Composite reverse septal flap for nasal tip support after subtotal septectomy

Kody Bolk, MD LSUHSC

Poster C016

WITHDRAWN

Poster C017

CRS cognitive impairment review

Hannan Qureshi, MD University of Washington

Poster C018

Diabetes mellitus and clinical outcomes following epistaxis treatment

Avneet Randhawa, BS

Rutgers University New Jersey Medical School

Poster C019

Diets in asthma and AERD

Marie Lundberg, MD, PhD

Poster C020

Does lumbar drain affect outcomes for endonasal resection of pituitary neoplasms?

Benjamin Bitner, MD

University of California Irvine Medical Center

Poster C021

Does understanding expectations improve patient satisfaction and communication in rhinology

Eric Du, BS UC San Diego

Poster C022

Dopamine reward and olfaction

Eve Champaloux, MD, PhD University of Washington

Poster C023

Effect of chronic obstructive pulmonary disease on endoscopic sinus surgery

Christopher Pettit

Poster C024

Effect of hypertension in transsphenoidal surgery outcomes

Avneet Randhawa, BS

Rutgers University New Jersey Medical School

Poster C025

Effect of obesity following inpatient epistaxis treatment

Avneet Randhawa, BS

Rutgers University New Jersey Medical School

Poster C026

Effect of weight loss on chronic rhinosinusitis

Vraj P. Shah, BS

Rutgers New Jersey Medical School

Poster C027

Effects of midvault repair techniques on nasal drug delivery

Raluca Gosman, BS

Poster C028

Endoscopic endonasal approach to intraconal malignant

tumor of the orbit

Dhruv Sharma, MD Indiana University

Poster C029

Endoscopic repair of latrogenic carotid artery injury using a lateral tongue muscle patch

Nikita Chapurin, MD, MHS

Vanderbilt University Medical Center

Poster C030

Evaluating distance bias in chronic rhinosinuisits outcomes

Amarbir Gill, MD University of Utah

Poster C031

Evaluating opioid prescriptions after functional endoscopic sinus surgery (FESS) and/or septoplasty

Landon Larabee, BS



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Poster C032

Extra-nasopharyngeal angiofibromas: Case report and literature review

Elizabeth Jee, MD Louisiana State University

Poster C033

WITHDRAWN

Poster C034

Frailty predicts worse survival in sinonasal squamous cell carcinoma

Rijul Kshirsagar, MD University of Pennsylvania

Poster C035

Frailty status and dietary patterns in adults with olfactory dysfunction

Nicholas Rowan, MD Johns Hopkins University Medical Center

Poster C036

Frailty status and perioperative outcomes in sinonasal tumors

Nicholas Rowan, MD Johns Hopkins University Medical Center

Poster C037

Free mucosal grafting and bioabsorbable steroid-eluding stents in skull base surgery

Ashutosh Kacker, MD WCMC

Poster C038

Granulomatosis with polyangiitis and invasive fungal sinusitis

Isabelle Gengler, MD University of Cincinnati

Poster C039

Head position for drug delivery to OMC and MS in patients with CRS

Carson Popper, Medical Student

Poster C040

Histopathologic characterization of pediatric chronic rhinosinusitis

Hannah Brown, BS

Rush Medical College, Rush University Medical Center

Poster C041

Hypoalbuminemia and open anterior skull base surgery

Rushi Patel, BA

Rutgers New Jersey Medical School

Poster C042

IIH related CSF rhinorrhea leaking through an ecchordosis physaliphora

Mackenzie Noonan

Poster C043

Image guided obturator design and fabrication for maxillectomy defect in the case of IFS

John Lally, MD US ARMY

Poster C044

Impact of a combination CFTR modulator on mucosal inflammation in CF patients

Neil Patel, MD, MSc

University of California San Francisco

Poster C045

Impact of combination surgery and radiation therapy on survival in esthesioneuroblastoma

Ryan Jin, BS

Rutgers New Jersey Medical School, Newark, NJ

Poster C046

Impact of delay in treatment on survival in sinonasal undifferentiated carcinoma

Anas Qatanani, BS

Poster C047

Impact of Dupilumab on sleep/function scores in patients with CRSwNP

William Busse

University of Wisconsin

Poster C048

WITHDRAWN

Poster C049

Improvement in 'taste', and association with smell with Dupilumab-treated patients in CRSwNP

Anju T. Peters, Professor Northwestern University

Poster C050

Improvement in rhinologic symptoms and quality of life in CF patients undergoing combination therapy

Jeremy Tervo, Medical Student

Columbia University Vagelos College of Physicians & Surgeons

Poster C051

Incidence of invasive fungal sinusitis prior to and during the COVID-19 pandemic

Maggie Donovan, Medical Student

University of Arizona College of Medicine - Phoenix

Poster C052

Income disparities in chronic rhinosinusitis management

Vraj P. Shah, BS

Rutgers New Jersey Medical School



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Poster C053

Infratemporal fossa mature teratoma in a pediatric patient: A case report

Keonho Kong, MD

University of North Carolina

Poster C054

Internet search for balloon sinuplasty

Vivek Pandrangi, MD

Oregon Health & Science University

Poster C055

Inverted papilloma during pregnancy: A case report

Antonella Loperfido, MD San Camillo Forlanini Hospital

Rome, Italy

Poster C056

Management of acute sinusitis with orbital complications: A systematic review

Anusha Sherwani

Long School of Medicine

Poster C057

Management of intracranial complications of acute sinusitis: A systematic review

Leslie Kim

Long School of Medicine

Poster C058

WITHDRAWN

Poster C059

Metabolic syndrome and skull base surgery

Khodayar Goshtasbi, MS, MD

University of California Irvine School of Medicine

Poster C060

Monoclonal antibodies and chronic rhinosinusitis with nasal polyps: Our multidisciplinary experience

Antonella Loperfido, MD

San Camillo Forlanini Hospital, Rome, Italy

Poster C061

Multi-institutional review of sinonasal and skull base chondrosarcoma: A 20-year experience

Jacob G. Eide, MD

University of Pennsylvania

Nasal septal perforations of unknown etiology

Travis Haller, MD Mayo Clinic

Poster C063

Nasal swell body characteristics in patients with septal perforations

Daniela Brake, MD Mayo Clinic Arizona Poster C064

Nasopharyngeal depth and facial anthropometry: A

normative analysis

Alexander Dickie, MD

University of Western Ontario

Poster C065

ODS management duration

Abdulkader Yassin-Kassab, MD

University of Pittsburgh Medical Center

Poster C066

Orbital pseudotumor associated with CRS and fungus ball

responsive to antifungals

Emma West, MD VCU Health System

Poster C067

Pain control with sphenopalatine ganglion block after

endoscopic sinus surgery

Neelam Phalke, MD

Poster C068

Parosmia and COVID-19: An evidence-based review with recommendations for the clinician

Joseph Gary

Vagelos College of Physicians & Surgeons at Columbia

University

Poster C069

Patient risk factor analysis for procedural intervention in

management of epistaxis

Rachel Kearl, DO

SUNY Upstate Medical University

Poster C070

Patient safety indicator events vs. insurance type in

transsphenoidal pituitary surgery patients

Keshav Kumar, MPH

Patient volume and online ratings for academic rhinologists

in the United States

Kelsev Roman, BS

University of California, Irvine

Poster C072

Patterns of care for elderly patients with sinonasal undifferentiated carcinoma

Christopher Didzbalis, BA

Rutgers New Jersey Medical School, Newark, NJ

Poster C073

WITHDRAWN

Poster C074

Postoperative impact of delay in surgery in patients undergoing ventral skull base surgery

Mehdi Lemdani, BA

Rutgers New Jersey Medical School



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Poster C075

Postoperative impact of transfer status for patients undergoing ventral skull base surgery

Mehdi Lemdani, BA

Rutgers New Jersey Medical School

Poster C076

Postoperative sinonasal infection following endoscopic skull base surgery

Dean Chung, BA

Poster C077

Pott's puffy tumor: A review of the literature

Rebecca Rohde, MD, MPH

Poster C078

Prevalence of type 2 inflammatory signatures in patients with CRSwNP from 2 phase 3 clinical trials

Claus Bachert, MD **Ghent University**

Poster C079

Primary ciliary dyskinesia: a case of misdiagnosis and an update on diagnostic tools

Adam Kimple, MD, PhD, FARS University of North Carolina

Poster C080

Prophylactic antibiotics and septoplasty

Marie Lundberg, MD, PhD

Poster C081

Quantifying ethmoid sinus dimensions with relevance to skull base injury in endoscopic sinus surgery

Michael Chang, MD Stanford University

Poster C082

Rates of antidepressant, anxiolytic, and ADHD medication use among patients undergoing ESS

Alan Workman, MD, MTR

Poster C083

Rationale and design for EDS-FLU trials in CRS without and with nasal polyps

James N. Palmer, MD, FARS University of Pennsylvania

Poster C084

Real world use of Dupilumab for nasal polyposis

Isaac Schmale, MD

University of Rochester Medical Center

Poster C085

Real-world persistence and adherence in subcutaneous allergen immunotherapy: A systematic review

Michelle Park, MD Candidate

Johns Hopkins University School of Medicine

Poster C086

Reconstruction of oroantral fistulas

Nrusheel Kattar, MD

LSU-Health Sciences Center

Poster C087

Resilience and symptom severity in patients with sinonasal complaints

James Kim, MD

Keck School of Medicine University of Southern California

Poster C088

Retrobulbar amphotericin B in the treatment of invasive fungal sinusitis with orbital involvement

Ashley Kraft, MD LSUHSC NO

Poster C089

Review of the association between olfactory dysfunction and idiopathic intracranial hypertension

Sriram Navuluri, MD

Poster C090

Rhinosinusitis-related complications in transplant recipient

Estephania Candelo, MD, MSc

Mayo Clinic

Poster C091

WITHDRAWN

Poster C092

SNOT-22 scores in CSF rhinorrhea

Matthew Liu. BS

UT Austin - Dell Medical School

Poster C093

Spontaneous nasal septal abscess of odontogenic origin

Alexis Lakatta, BSA

University of Texas Medical Branch

Poster C094

WITHDRAWN

Symptom severity in primary English and non-Englishspeaking patients with sinonasal complaints

Francis Reyes Orozco, BA

Keck School of Medicine University of Southern California

Poster C096

Systematic review of preoperative embolization in juvenile nasopharyngeal angiofibroma removal

Ashley Diaz, BS

Poster C097

Temporality and the relationship between radiographic and patient reported outcome severity in CRS

Eli Stein, Medical Student

Northwestern University Feinberg School of Medicine

Poster C098

The anatomy of revision sinus surgery

Ashleigh Halderman, MD

University of Texas Southwestern



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Poster C099

The predictive utility of SNOT-22

Matthew Liu, BS

UT Austin - Dell Medical School

Poster C100

The weekend effect in transsphenoidal pituitary surgery: A national analysis

Vraj P. Shah, BS

Rutgers New Jersey Medical School

Poster C101

Transorbital management of incidental intracranial mass in a patient with AERD and nasal polyposis

Shaunak Amin, MD

University of Washington

Poster C102

Transsphenoidal pituitary surgery patients in the ICU

Rushi Patel, BA

Rutgers New Jersey Medical School

Poster C103

Treatment of skull base osteomyelitis

Ashleigh Halderman, MD, FARS

University of Texas Southwestern

Poster C104

Understanding the pathophysiology of olfactory dysfunction in cleft lip nasal deformity

Sarah Russel, MD

University of North Carolina - Chapel Hill

Poster C105

WITHDRAWN

Poster C106

Variation in computed tomography opacification in sinus

disease: A snapshot in time

Sean Parsel, DO

Thomas Jefferson University

Poster C107

Virtual care versus in-person assessment: patient satisfaction at the otolaryngology clinic

Dais all Trades all Calculta MD

Boipelo Tselapedi-Sekeitto, MD

University of Western Ontario, London, ON, Canada

Poster C108

YouTube rhinosinusitis video characteristics vary based on the search term used

Christopher Hornung, BS

University of Minnesota Medical School