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
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

1:21 pm – 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

3:50 pm – 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: Raeywn 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
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 Tabaeae, 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
**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 Khalifa, MD

11:48 am – 11:54 am  
**In-vitro release of triamcinolone acetonide from saturated sinus dressings**  
Do-Yeon Cho, MD

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**

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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**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
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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<tr>
<th>Poster C009</th>
<th>Chronic rhinosinusitis and sickness behavior: Cytokine profile systematic review</th>
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<tr>
<td>Wasiq Nadeem, BS</td>
<td>UT Health San Antonio</td>
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<tr>
<th>Poster C010</th>
<th>Chronic rhinosinusitis and statins</th>
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<td>Mustafa Bulbul, MD, MPH</td>
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<th>Poster C011</th>
<th>Combined endoscopic sinus surgery and septal perforation repair: SNOT-22 outcomes and closure rates</th>
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<tr>
<td>Tripti Kaur Brar, MBBS, MD</td>
<td>Mayo Clinic, Arizona</td>
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<tr>
<th>Poster C012</th>
<th>Comorbid psychological and pain diagnoses in the pauci-inflammatory endotype of CRS</th>
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<td>Alex Labby, MD</td>
<td>Vanderbilt University Medical Center</td>
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<th>Poster C013</th>
<th>Comparison of endoscopic polyp grading scales</th>
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<td>Seth Jeong, BA</td>
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<th>Poster C014</th>
<th>Complicated sinusitis secondary to streptococcus intermedius: A pediatric case series</th>
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<td>Alexander Duffy, MD</td>
<td>Thomas Jefferson University Hospital</td>
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<th>Poster C015</th>
<th>Composite reverse septal flap for nasal tip support after subtotal septectomy</th>
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<tr>
<td>Kody Bolk, MD</td>
<td>LSUHSC</td>
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| Poster C016 | WITHDRAWN |

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<tr>
<th>Poster C017</th>
<th>CRS cognitive impairment review</th>
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<tr>
<td>Hannan Qureshi, MD</td>
<td>University of Washington</td>
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<th>Poster C018</th>
<th>Diabetes mellitus and clinical outcomes following epistaxis treatment</th>
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<td>Avneet Randhawa, BS</td>
<td>Rutgers University New Jersey Medical School</td>
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<tr>
<th>Poster C019</th>
<th>Diets in asthma and AERD</th>
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<td>Marie Lundberg, MD, PhD</td>
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<th>Poster C020</th>
<th>Does lumbar drain affect outcomes for endonasal resection of pituitary neoplasms?</th>
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<tr>
<td>Benjamin Bitner, MD</td>
<td>University of California Irvine Medical Center</td>
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<th>Poster C021</th>
<th>Does understanding expectations improve patient satisfaction and communication in rhinology</th>
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<tr>
<td>Eric Du, BS</td>
<td>UC San Diego</td>
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<th>Poster C022</th>
<th>Dopamine reward and olfaction</th>
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<tr>
<td>Eve Champaloux, MD, PhD</td>
<td>University of Washington</td>
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<th>Poster C023</th>
<th>Effect of chronic obstructive pulmonary disease on endoscopic sinus surgery</th>
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<tr>
<td>Christopher Pettit</td>
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<th>Poster C024</th>
<th>Effect of hypertension in transsphenoidal surgery outcomes</th>
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<td>Avneet Randhawa, BS</td>
<td>Rutgers University New Jersey Medical School</td>
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<th>Poster C025</th>
<th>Effect of obesity following inpatient epistaxis treatment</th>
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<td>Avneet Randhawa, BS</td>
<td>Rutgers University New Jersey Medical School</td>
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<th>Poster C026</th>
<th>Effect of weight loss on chronic rhinosinusitis</th>
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<tr>
<td>Vraj P. Shah, BS</td>
<td>Rutgers New Jersey Medical School</td>
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<th>Poster C027</th>
<th>Effects of midvault repair techniques on nasal drug delivery</th>
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<td>Raluca Gosman, BS</td>
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<th>Poster C028</th>
<th>Endoscopic endonasal approach to intraconal malignant tumor of the orbit</th>
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<td>Dhruv Sharma, MD</td>
<td>Indiana University</td>
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<th>Poster C029</th>
<th>Endoscopic repair of iatrogenic carotid artery injury using a lateral tongue muscle patch</th>
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<td>Nikita Chapurin, MD, MHS</td>
<td>Vanderbilt University Medical Center</td>
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<tr>
<th>Poster C030</th>
<th>Evaluating distance bias in chronic rhinosinusitis outcomes</th>
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<td>Amarbir Gill, MD</td>
<td>University of Utah</td>
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<th>Poster C031</th>
<th>Evaluating opioid prescriptions after functional endoscopic sinus surgery (FESS) and/or septoplasty</th>
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<tr>
<td>Landon Larabee, BS</td>
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Poster C032
Extra-nasopharyngeal angiofibromas: Case report and literature review
Elizabeth Jee, MD
Louisiana State University

Poster C033
Extra-nasopharyngeal angiofibromas: Case report and literature review
Elizabeth Jee, MD
Louisiana State University

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-eluting 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 phialiphora
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 CRS
William Busse
University of Wisconsin

Poster C048
WITHDRAWN

Poster C049
Improvement in ‘taste’, and association with smell with Dupilumab-treated patients in CRS
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
**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 Goshitasbi, 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

**Poster C062**
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 Kehr, DO
SUNY Upstate Medical University

**Poster C070**
Patient safety indicator events vs. insurance type in transsphenoidal pituitary surgery patients
Keshav Kumar, MPH

**Poster C071**
Patient volume and online ratings for academic rhinologists in the United States
Kelsey 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
Poster C075
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Mehdi Lemdani, BA
Rutgers New Jersey Medical School

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Dean Chung, BA

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Rebecca Rohde, MD, MPH

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Claus Bachert, MD
Ghent University

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

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Marie Lundberg, MD, PhD

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Alan Workman, MD, MTR

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James N. Palmer, MD, FARS
University of Pennsylvania

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Isaac Schmale, MD
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Michelle Park, MD Candidate
Johns Hopkins University School of Medicine

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Keck School of Medicine University of Southern California

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Ashley Kraft, MD
LSUHSC NO

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Sriram Navuluri, MD

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Estephania Candelo, MD, MSc
Mayo Clinic

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Matthew Liu, BS
UT Austin - Dell Medical School

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Alexis Lakatta, BSA
University of Texas Medical Branch

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Francis Reyes Orozco, BA
Keck School of Medicine University of Southern California

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Ashley Diaz, BS

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Eli Stein, Medical Student
Northwestern University Feinberg School of Medicine

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Ashleigh Halderman, MD
University of Texas Southwestern
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Matthew Liu, BS  
UT Austin - Dell Medical School

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Vraj P. Shah, BS  
Rutgers New Jersey Medical School

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Shaunak Amin, MD  
University of Washington

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Rushi Patel, BA  
Rutgers New Jersey Medical School

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University of Texas Southwestern

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University of Western Ontario, London, ON, Canada

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Christopher Hornung, BS  
University of Minnesota Medical School