

**TRIOLOGICAL SOCIETY
126TH ANNUAL MEETING AT COSM
MAY 17, 2024
HYATT REGENCY CHICAGO | CHICAGO, IL**

CONTINUING MEDICAL EDUCATION CREDIT INFORMATION

Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of American College of Surgeons and Triological Society. The American College of Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

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FRIDAY, MAY 17, 2024

**SCIENTIFIC SESSION
GRAND BALLROOM EF**

6:30 Business Meeting/New Fellow Ceremony & Reception

8:00 Welcome by President

Andrew N. Goldberg, MD MSCE FACS, San Francisco, CA

**Introduction of Presidential Citations and Guest of Honor
Citation Awardees**

Jennifer R. Grandis, MD FACS, San Francisco, CA

Jay F. Piccirillo, MD FACS, St. Louis, MO

Donald C. Lanza, MD FACS, St. Petersburg, FL

Guest of Honor

Andrew H. Murr, MD FACS, San Francisco, CA

- 8:20 Presidential Address
Obligation**
Andrew N. Goldberg, MD MSCE FACS, San Francisco, CA
- 8:40 Introduction of Joseph H. Ogura, MD Annual Lecturer**
Andrew N. Goldberg, MD MSCE FACS, San Francisco, CA
- JOSEPH H. OGURA, MD, LECTURE
The Surgeon Scientist: An Oxymoron?**
Jennifer R. Grandis, MD FACS, San Francisco, CA
- 9:10 Introduction of 2024 Thesis Award Presentations**
Daniel G. Deschler, MD FACS, Boston, MA, Thesis Chair
- 9:11 HARRIS P. MOSHER AWARD
Multidimensional Voice Outcomes of Treatment for Vocal Fold Polyps: A Prospective Longitudinal Comparison of Operating Room Microlaryngoscopy versus Office Based Laser Photoangiolyis**
Keith A. Chadwick, MD MS, Stony Brook, NY
- 9:19 EDMUND PRINCE FOWLER AWARD
Multi-Omics Study of Chronic Rhinosinusitis via Joint Dimensional Reduction Analysis of DNA Methylation, mRNA and Cytokine Expression Reveals Novel Insights into the Pathogenesis**
Devyani Lal, MD MBBS MS, Phoenix, AZ
- 9:27 MAUREEN HANNLEY ALTERNATIVE SCIENCE AWARD
Cooperative Control Robotics and Computer Vision: Development of Semi-Autonomous Temporal Bone and Skull Base Surgery**
Francis X. Creighton, MD, Baltimore, MD
- 9:35 2023 HONORABLE MENTION FOR CLINICAL RESEARCH AWARD
Olfactory Dysfunction Phenotypes as Noninvasive Biomarkers of Cognitive Status and Disease**
Jennifer A. Villwock, MD, Kansas City, KS
- 9:43 2023 HONORABLE MENTION FOR BASIC SCIENCE AWARD
Immune Profiling of Secreted Factors from Human Vestibular Schwannoma Cells and Tumor Associated Macrophages**
Konstantina M. Stankovic, MD PhD FACS, Palo Alto, CA
- 10:01 Laryngoscope Distinguished Reviewers**
Samuel H. Selesnick, MD FACS, New York, NY
- 10:06 BREAK/VISIT EXHIBITORS/VISIT POSTERS**

FRIDAY MORNING CONCURRENT SESSIONS

SESSION 1 - PEDIATRIC OTOLARYNGOLOGY & LARYNGOLOGY 10:30 - 12:15 GRAND BALLROOM EF	SESSION 2 - OTOTOLOGY/NEUROTOLOGY 10:30 - 12:15 GRAND HALL IJ
<p>10:30 PANEL: Contemporary Topics and Challenges in Family Planning and Work-Life Integration Moderator: Julie L. Wei, MD, Akron, OH Panelists: Jennifer M. Lavin, MD, Chicago, IL Stephanie Pearson, MD, Chicago, IL James W. Schroeder, MD FACS, Chicago, IL Christine Settoon, MD MS, Philadelphia, PA</p> <p>11:15 Q&A</p> <p style="text-align: center;">Moderator: Brianne B. Roby, MD, St. Paul, MN</p> <p>11:25 Utilizing Artificial Intelligence to Increase the Readability of Patient Education Materials in Pediatric Otolaryngology - Presenter: Andrew Joseph Rothka, BS, Hershey, PA</p> <p>11:31 Outcomes for Children with Severe and Very Severe Obstructive Sleep Apnea Syndrome Undergoing Total vs Intracapsular Tonsillectomy - Presenter: Jordyn Hurly, BS, Baltimore, MD</p> <p>11:37 Utility of a Standardized Guide for Multidisciplinary Team Meetings in Craniofacial Care - Presenter: Aurelia S. Monk, BA, Chapel Hill, NC</p> <p>11:43 Translating Guidelines into Performance: A Surgical Dashboard for Pediatric Tonsillectomy Outcomes - Presenter: Quynh-Chi Dang, BS BA, Dallas, TX</p> <p>11:49 Interventions, Outcomes, and Risk Factors in Micrognathia Related Fetal Airway Obstruction: A Multidisciplinary Fetal Center Program - Presenter: J.B. Eyring, BS, Salt Lake City, UT</p> <p>11:55 Quantification of Airway Obstruction Across Varying Severities of Subglottic Stenosis - Presenter: Nathan Alexander Luzum, BS, Durham, NC</p>	<p style="text-align: center;">Moderator: Elizabeth A. Dinces, MD, Bronx, NY</p> <p>10:30 Longitudinal Risk of Hearing Loss in Children with Intrauterine Exposure to COVID-19: Results from the Cohort - Presenter: Michelle Yu, MD MS, New York, NY</p> <p>10:36 Patterns of Hearing Dysfunction Related to Monoclonal Antibodies - Presenter: Priya Arya, BS, Savannah, GA</p> <p>10:42 A Comprehensive Analysis of MRI Related Cochlear Implant Adverse Events Reported by FDA's Manufacturer and User Facility Device Experience Database - Presenter: Amy Lin, BS, Columbus, OH</p> <p>10:48 Neighborhood Socioeconomic Disadvantage as a Risk Factor for COVID-19-Related Otologic and Neurotologic Dysfunction - Presenter: Kendyl Grey Naugle, BA, La Jolla, CA</p> <p>10:54 Over the Counter (OTC) Hearing Aids: A Survey Based Study to Understand Primary Care Physicians' (PCP) Perspectives - Presenter: Ryan Jacob Davis, BS, Los Angeles, CA</p> <p>11:00 Hearing and Tinnitus Related Quality of Life Changes after Cochlear Implant Surgery for Single Sided Deafness - Presenter: Scott Bennett Shapiro, MD, New Brunswick, NJ</p> <p>11:06 Diagnostic Accuracy and Quality of Medical Advice Obtained from ChatGPT in Patients with Reported Symptoms of Dizziness - Presenter: Moaz Sinan, MD, Morgantown, WV</p> <p>11:12 Outcomes of Cochlear Implantation in Adolescents with Auditory Neuropathy Spectrum Disorder: A Systematic Review - Presenter: Sandeep Reddy Kowkuntla, MS, Washington, DC</p> <p>11:18 Q&A</p>

**SESSION 1 - PEDIATRIC OTOLARYNGOLOGY &
LARYNGOLOGY
10:30 - 12:15
GRAND BALLROOM EF**

Moderator: Brianne B. Roby, MD, St. Paul, MN

- 12:01 Risk Factors for the Development of Dysphagia after Anterior Approach to the Cervical Spine - Presenter: William Champagne, BS, Shreveport, LA**
- 12:07 A Quality Improvement Study to Identify Deterrents and Improve Voice Patient Compliance with Followup - Presenter: Tanya Gupta, BA, Louisville, KY**
- 12:13 Q&A**
- 12:15 LUNCH/VISIT EXHIBITORS & POSTERS**

**SESSION 2 - OTOTOLOGY/NEUROTOLOGY
10:30 - 12:15
GRAND HALL IJ**

- 11:20 COLLABORATIVE PANEL TRIO/AOS/ASPO: Updates in the Management of Single Sided Deafness: Navigating Clinical Indications Across the Lifespan and Insurance Coverage Landscape
Moderator:
Michael Hoa, MD, Washington, DC
Panelists:
Samantha Anne, MD MS FACS
Renee Banakis Hartl, MD AuD, Ann Arbor, MI
Kevin D. Brown, MD PhD, Chapel Hill, NC
Sharon L. Cushing, MD BSCh MSc, Toronto, ON Canada**
- 12:05 Q&A**
- 12:15 LUNCH/VISIT EXHIBITORS & POSTERS**

1:00 TRIO Election of Second President-Elect/Introduction of President-Elect - Grand Ballroom EF

FRIDAY AFTERNOON CONCURRENT SESSIONS

**SESSION 3 - GENERAL
1:10 - 2:50
GRAND BALLROOM EF**

Moderator: Jimmy J. Brown, MD FACS, Gainesville, FL

- 1:10 Is Artificial Intelligence Smarter than Otolaryngology Trainees? A Comparison of ChapGPT to Otolaryngology Trainees on Board Style Exam Questions - Presenter: Jaimin Patel, MD, Indianapolis, IN**
- 1:16 3D Printed Neck Phantoms with Detailed Anatomy for Ultrasound Guided Procedure Training and Device Testing - Presenter: Aida Mireille Hasson, BA, Cincinnati, OH**
- 1:22 A Network Analysis of Women in Otolaryngology and Demographic Trends - Presenter: Pooja D. Reddy, BS, Pittsburgh, PA**
- 1:28 Racial and Ethnic Disparities in Otolaryngology Outcomes - Presenter: Tatiana Ferraro, BS, Washington, DC**

**SESSION 5 - RHINOLOGY/SLEEP
1:10 - 2:50
GRAND HALL IJ**

- 1:10 PANEL: Next Frontiers for OSA
Moderator:
Norman R. Friedman, MD, Aurora, CO
Panelists:
Jolie L. Chang, MD FACS, San Francisco, CA
Michael Hutz, MD, Chicago, IL
Kathleen L. Yaremchuk, MD MSA, Detroit, MI**
- 1:50 Q&A
Moderator: Jennifer A. Villwock, MD, Kansas City, KS**
- 2:00 Immediate Postoperative Sleep Changes after Obstructive Sleep Apnea Surgeries - Presenter: Phoebe K. Yu, MD MPH, Boston, MA**
- 2:06 A Geospatial Analysis of Access to Sleep Surgeons in the United States - Presenter: Jasmeet Saroya, BS, San Francisco, CA**

SESSION 3 - GENERAL**1:10 - 2:50****GRAND BALLROOM EF****Moderator: Jimmy J. Brown, MD FACS, Gainesville, FL**

- 1:34 Sustainability in Otolaryngology: A Comparison of Environmental Impacts between Reusable and Disposable Flexible Laryngoscopes -** Presenter: Joseph G. Kidane, MD, Los Angeles, CA
- 1:40 Demographic and Socioeconomic Determinants of Missing Labs and Imaging for Otolaryngologic Clinical Visits -** Presenter: Jad F. Zeitouni, BBA, Lubbock, TX
- 1:46 CPG Versus GPT for Bell's Palsy: A Comparative Analysis of ChatGPT and Clinical Practice Guidelines -** Presenter: Andrew S. Williams, MS, Syracuse, NY
- 1:51 Ultrasound Derived Airway Measurements as a Predictor of DISE Outcomes Using Machine Learning -** Presenter: Samuel Evan Jones, MD, Baltimore, MD
- 1:58 Q&A**
- 2:00 PANEL: Revolutionizing Otolaryngology Education: The Role of Artificial Intelligence**
Moderator:
Nasir I. Bhatti, MD FACS, Baltimore, MD
Panelists:
Andres M. Bur, MD FACS, Kansas City, KS
Zara M. Patel, MD, Stanford, CA
Anais Rameau, MD MPhil, New York, NY
- 2:40 Q&A**
- 2:50 BREAK/VISIT EXHIBITS/VISIT POSTERS**

SESSION 5 - RHINOLOGY/SLEEP**1:10 - 2:50****GRAND HALL IJ****Moderator: Jennifer A. Villwock, MD, Kansas City, KS**

- 2:12 Predicting Therapeutic Response to Hypoglossal Nerve Stimulator Using Drug Induced Sleep Endoscopy Images and Deep Learning -** Presenter: Rahul Alapati, BS, Kansas City, KS
- 2:18 Relationship of Modified Sleep Apnea Severity Index (mSASI) and Upper Airway Stimulator Adherence in CPAP Intolerant Patients -** Presenter: Praneet Chandra Kaki, BS, Philadelphia, PA
- 2:24 Assessing Mucociliary Function in Sinus Mucosa Affected by Odontogenic Sinusitis and Fungus Ball Using Optical Coherence Tomography -** Presenter: Theodore V. Nguyen, BS, Irvine, CA
- 2:30 Trends and Complications in Functional Endoscopic Sinus Surgery and Balloon Sinuplasty: A TriNetX Database Analysis -** Presenter: Benjamin F. Bitner, MD, Orange, CA
- 2:36 Adverse Events of Mepolizumab in the Treatment of Nasal Polyps: An FDA Database Evaluation -** Presenter: Brooke Stephanian, MS, Indianapolis, IN
- 2:42 Does Total Turbinectomy Always Lead to Empty Nose Syndrome? A Computational Virtual Surgery Study -** Presenter: Ahmad O. Odeh, BS, Columbus, OH
- 2:48 Q&A**
- 2:50 BREAK/VISIT EXHIBITS/VISIT POSTERS**

SESSION 4 - FACIAL PLASTIC**3:20 - 5:30****GRAND BALLROOM EF**

Moderator: P. Daniel Knott, MD, San Francisco, CA

- 3:20** **Evaluating Treatment Patterns, Provider Subspecialty, and Imaging Practices in Individuals with Bell's Palsy: A Nationwide Employer Sponsored Healthcare Claims Data Study** - Presenter: Sujay Ratna, BS, New York, NY
- 3:26** **Posterior Septal Angle Stabilization and Repositioning in Rhinoplasty** - Presenter: Ellen M. Hong, BA, Nutley, NJ
- 3:33** **New Quantitative Analysis of Facial Movements in Facial Palsy Using iPhone Face Recognition** - Presenter: Koki Hasebe, MD, Kyoto, Japan
- 3:39** **Variability in Expert Prescriber Practice Patterns for the Treatment of Acute Peripheral Facial Palsy** - Presenter: Amir A. Hakimi, MD, Washington, DC
- 3:45** **Ergonomic Trends in Facial Plastic and Reconstructive Surgery Clinic** - Presenter: Neha Garg, BA, Philadelphia, PA
- 3:51** **Does Fibrin Sealant Use in Rhinoplasty Alter Outcomes? A Systematic Review and Meta-Analysis** - Presenter: Hanel W. Eberly, BS, Hershey, PA
- 3:57** **Q&A**
- 4:00** **PANEL: The Benefits of Physician Coaching: A Panel Discussion**
Moderator:
Megan L. Durr, MD FACS, San Francisco, CA
Panelists:
Yuri Agrawal, MD MPH FACS, Aurora, CO
Howard W. Francis, MD MBA, Durham, NC
Stacey L. Ishman, MD MPH, Cincinnati, OH
Dana M. Thompson, MD FACS, Chicago, IL
- 4:40** **Q&A**

SESSION 5 - RHINOLOGY/SLEEP**3:20 - 4:10****GRAND HALL IJ**

- 3:20** **PANEL: Current Controversies in Rhinology**
Moderator:
Sandra Y. Lin, MD, Madison, WI
Panelists:
Drug Eluting Stents vs Biologics for Recurrent Nasal Polyposis?
Stella Lee, MD, Boston, MA
Amber U. Luong, MD PhD FACS, Houston, TX
Cryotherapy/Radiofrequency Ablation vs Endoscopic Procedures for Vasomotor Rhinitis?
John R. Craig, MD, Detroit, MI
David W. Jang, MD, Durham, NC

4:00 **Q&A**

SESSION 6 - HEAD & NECK**4:10 - 5:30****GRAND HALL IJ**

Moderators: Mark K. Wax, MD FACS, Portland, OR

- 4:10** **A Comparison of Frailty Indices for Predicting Postoperative Outcomes after Total Thyroidectomy for Distant Metastatic and Non-Metastatic Differentiated Thyroid Carcinomas** - Presenter: James R. Xu, BS, Cleveland, OH
- 4:16** **Oncological and Functional Outcomes of Transoral Laser Microsurgery in T3/T4a Glottic and Supraglottic Tumors** - Presenter: Srivatsa Surya Vasudevan, MD MS, Shreveport, LA
- 4:22** **Individual and Community Level Factors of Prognosis of Gender Differentiated HPV Positive Oropharyngeal Squamous Cell Cancers in the U.S.** - Presenter: Rhea Verma, BSE, Chicago, IL
- 4:28** **Mutational Landscape and Genomic Predictors of Survival in Salivary Adenoid Cystic Carcinoma** - Presenter: Brandon M. Lehigh, BS, Pittsburgh, PA

SESSION 4 - FACIAL PLASTIC**3:20 - 5:30****GRAND BALLROOM EF**

4:50 PANEL: Imposter Syndrome
Moderator:
 Karen M. Kost, MD, Montreal, QC Canada
Panelists:
 Brian B. Burkey, MD FACS, Vero Beach, FL
 Cecelia E. Schmalbach, MD MSc FACS,
 Philadelphia, PA
 TBN

5:20 Q&A

SESSION 6 - HEAD & NECK**4:10 - 5:30****GRAND HALL IJ**

Moderators: Mark K. Wax, MD FACS, Portland, OR

4:34 Predictors of Response to Sialendoscopy for Patients with Nonobstructive Chronic Sialadenitis - Presenter: Xiaoxuan Chen, BA, New York, NY

4:40 Impact and Predictors of Time to Postoperative Radiation Therapy in Head and Neck Squamous Carcinoma - Presenter: Rahul K. Sharma, MD, Nashville, TN

4:46 Q&A

4:50 COLLABORATIVE PANEL TRIO/ALA

Moderator:

Mona M. Abaza, MD, Aurora, CO

Panelists:

Lesley F. Childs, MD, Dallas, TX

Maya G. Sardesai, MD MEd, Seattle, WA

Phillip C. Song, MD, Boston, MA

5:25 Q&A

5:30 Adjourn

SATURDAY, MAY 18, 2024

6:30 - 7:55 Speed Networking - Grand Hall GH

10:50 - 11:40 COLLABORATIVE PANEL TRIO/ASPO: The Healy Panel - Navigating the Digital Transformation: An Exploration of Informatics and AI in Pediatric Otolaryngology

Moderator:

Romaine F. Johnson, MD MPH FACS, Dallas, TX

Panelists:

Amal Isaiah, MD DPhil, Baltimore, MD

Carla M. Giannoni, MD, Houston, TX

Patrick C. Walz, MD FAAP, Columbus, OH

POSTER PROGRAM

ALLERGY/RHINOLOGY

1. **Spending and Utilization for Chronic Rhinosinusitis with Nasal Polyps Therapies among Commercially Insured Beneficiaries** - Presenter: Akash M. Bhat, BS, Charleston, SC
2. **Medical Management of Headache and Facial Pain in Chronic Rhinosinusitis: A Systematic Review and Meta-Analysis** - Presenter: Luke Daniel Heiland, BS, Charleston, SC
3. **Long Term Patient Reported Septoplasty Outcomes and Cost in a Community Health Setting** - Presenter: Brandon M. Hemeyer, BS, Salt Lake City, UT
4. **Generalized Anxiety Disorder's Effect on Healthcare Utilization for Chronic Rhinosinusitis** - Presenter: Kevin W. Herrera, BS, Los Angeles, CA
5. **Olfactory Loss in People with Cystic Fibrosis: Community Perceptions and Impact** - Presenter: Christine May Liu, BS, Los Angeles, CA
6. **Outcomes of Rigid Versus Nonrigid Reconstruction in Endoscopic Skull Base Surgery: A Systematic Review and Meta-Analysis** - Presenter: Jonathan C. Pang, MS, Orange, CA
7. **Effect of Insurance Type on Progression to Sinus Surgery following CT Imaging** - Presenter: Jaime T. Yrastorza, BS, Omaha, NE
8. **Association of Olfactory Dysfunction and Neurocognitive Function following COVID-19: A Longitudinal Study from Baseline to 1 Year Followup** - Presenter: Jeremy P. Tervo, BS, New York, NY
9. **Sensing the Journey of Aging: Examining the Multifaceted Association between Sensory Impairments and Frailty in Older Adults** - Presenter: Varun Vohra, BA, Baltimore, MD
10. **Assessment of Plagiarism in Recently Published Articles in the International Journal of Pediatric Otorhinolaryngology** - Presenter: Saif Eddine Zaidi, MS, Paris, France
11. **Role of Social Determinants of Health on Quality of Life in Pediatric Chronic Rhinosinusitis: A Pilot Study** - Presenter: Ryan S. Ziltzer, MD MPH, Morgantown, WV

FACIAL PLASTIC AND RECONSTRUCTIVE

12. **Readability Analysis of Facial Plastic and Reconstructive Surgery Patient Reported Outcome Measures** - Presenter: Shivani Desai, BS, Chapel Hill, NC
13. **Head and Neck Injuries from Powered Scooters, Skateboards and Hoverboards: Analysis of NEISS Data** - Presenter: Sujay Ratna, BS, New York, NY
14. **Standardizing the Quality of Facial Nerve Treatment Center by Developing an Accreditation Guideline** - Presenter: Ziyang Li, MS, Lubbock, TX
15. **Utilization of Cryopreserved Umbilical Tissue for Closure of Complicated Cranial Wounds** - Presenter: Aniruddha Chintan Parikh, MD, Oklahoma City, OK
16. **Efficacy of Nasal Myofunctional Therapy in Nasal Valve Collapse: A Systematic Review** - Presenter: Sai P. Reddy, BA, Philadelphia, PA

17. **Pediatric Facial Nerve Disorders: Diagnosis and Surgical Management in the United States from 2007-2021** - Presenter: Eric X. Wei, MD, Palo Alto, CA
18. **Venous Thromboembolism Risk Assessment in Inpatient and Ambulatory Otolaryngology Surgical Patients** - Presenter: Rachel Elisa Weitzman, MD MPH MS, New York, NY
19. **Surgical Treatment of Nasopharyngeal Stenosis with Topical Mitomycin C and Injectable Steroid: A Case Series and Literature Review** - Presenter: Vivian Xu, MD, Philadelphia, PA

GENERAL

20. **Economic Value of the Otolaryngology On-Call Resident** - Presenter: Eric Hierro Abello, MD, Orange, CA
21. **Improving Medical Student Otolaryngology Knowledge with Virtual Summer Series** - Presenter: Suma J. Alzouhayli, BA, Detroit, MI
22. **2019-2021 Shifts in Medicare Evaluation and Management Coding, Billing, and Reimbursement for Otolaryngologists** - Presenter: Shravan Asthana, BS, Chicago, IL
23. **Barriers to Care to Sleep Surgery: Qualitative Patient Experiences** - Presenter: Amrita Bhat, BS, San Francisco, CA
24. **Patient Reported Outcome Measures (PROMs) for Surgical Evaluation of Obstructive Sleep Apnea (OSA): A Systematic Review** - Presenter: Amrita Bhat, BS, San Francisco, CA
25. **Improving ENT Patient Care: ChatGPT Engineered Surgical Descriptions and Postoperative Instructions** - Presenter: Zachary J. Buxo, BS, Detroit, MI
26. **A 10 Year Review of Emergency Department Visits due to Head and Neck Injuries from All Terrain Vehicles** - Presenter: Meghana Chowdhary Chanamolu, MD, Memphis, TN
27. **Sleep Surgery Success and Adherence to UAS Is Resilient to Socioeconomic Status** - Presenter: Jefferson DeKloe, MD, Philadelphia, PA
28. **Trends in Sleep Surgery and Medical Management of Obstructive Sleep Apnea** - Presenter: Jefferson DeKloe, BS, Philadelphia, PA
29. **Use of Urologic Lighted Stents in Sialendoscopy: A Descriptive Study** - Presenter: John Allen Dewey, MD, Morgantown, WV
30. **Identifying the Landscape of Otolaryngology Trained Hypoglossal Nerve Stimulator Surgeons in the United States** - Presenter: Jack Dowd, MS, Washington, DC
31. **Psychiatric Diagnoses among Patients with Chronic Cough: A 10 Year Analysis** - Presenter: Radhika Duggal, MA, Cleveland, OH
32. **Evaluating Academic Productivity and H-Index of Otolaryngology Residents: Program Rankings and Correlations with Research Output** - Presenter: Shaun Edalati, BS, New York, NY
33. **Cost Analysis of Procedural and Pharmacological Dizziness Treatment in Nationwide Insurance Databases** - Presenter: Shawyon Ezzati, BS, Elk Grove, CA
34. **Gender and Race Based Experiences during Otolaryngology Match Process** - Presenter: Soroush Farsi, BS, Little Rock, AR

35. **Is There a July Effect in Otolaryngology?** - Presenter: Soraya Fereydooni, BS, New Haven, CT
36. **Risk of Venous Thromboembolism among Otolaryngology Subspecialties** - Presenter: Patrick Adamczyk, BS, Farmington, CT
37. **Gender Differences in Research Activity of Skull Base Fellowship Program Directors** - Presenter: Ian M. Gorsen, Newark, NJ
38. **Health Literacy in the Otolaryngology Patient Population** - Presenter: Elysia M. Grose, MD, Toronto, ON Canada
39. **What Is the Efficacy of Sleep Surgery in Patients with Residual OSA after Bariatric Surgery?** - Presenter: Chihun Jim Han, MD, Philadelphia, PA
40. **Pharyngeal Manometry Characterizes Multilevel Upper Airway Collapse in Obstructive Sleep Apnea Patients** - Presenter: Tice R. Harkins, BS, Philadelphia, PA
41. **Antibiotic Usage in Sialendoscopy: Addressing a Gap in the Literature** - Presenter: Katie Lynne Holland, MD, Chicago, IL
42. **Game, Set, Match: A Retrospective Analysis of the 2023 Otolaryngology Residency Match** - Presenter: Cole J. Homer, BBmE, Omaha, NE
43. **Understanding Probiotic Adoption among Otolaryngologists: A Survey Based Analysis** - Presenter: Dean G. Kennedy, MS, Boston, MA
44. **Otolaryngologic Side Effects after Ozempic Use** - Presenter: Faizaan Iqtidar Khan, BS, Houston, TX
45. **Comparison of AI Models for Conducting Systematic Literature Reviews in Otolaryngology-Head and Neck Surgery** - Presenter: Young Lee, MS, Saginaw, MI
46. **Cranioplasty Outcomes of Synthetic Material vs Autologous Bone Grafts in Head Trauma Patients with Early vs Late Operations: A Multi-National Database Study** - Presenter: Ziyang Li, MS, Lubbock, TX
47. **CPAP Compliance and Followup Rates: A Comparative Study between Otolaryngologic and Sleep Medicine Management Practices** - Presenter: Pablo A. Llerena, BS, Philadelphia, PA
48. **ChatENT: Augmented Large Language Model for Expert Knowledge Retrieval in Otolaryngology - Head and Neck Surgery** - Presenter: Cai Long, MD MASc, Edmonton, AB Canada
49. **Validity of Novel Classification of Patient Safety and Patient Centered Outcomes** - Presenter: Alex Luke, MD, Joint Base San Antonio, TX
50. **Comparative Analysis of American Otolaryngology Societies in the Combined Otolaryngology Spring Meetings** - Presenter: Maria Lux, MD, Fort Sam Houston, TX
51. **Who Gets the Stim? A Geospatial and Demographic Analysis of Hypoglossal Nerve Stimulator (HNS) Patients** - Presenter: Linda C. Magana, MD PhD, Pittsburgh, PA
52. **Transoral Robotic Surgery Versus Upper Airway Stimulation for Obstructive Sleep Apnea: A Cost Analysis Study** - Presenter: Shreya Mandloi, BS, Philadelphia, PA

53. **Improvement of Depression in Adults with Surgical Management of OSA Compared to CPAP: A Systematic Review and Meta-Analysis** - Presenter: Alejandro R. Marrero-Gonzalez, BS, Charleston, SC
54. **Analysis of Research Activity and Industry Funding among Skull Base Fellowship Program Directors** - Presenter: Mark Mascera, MEng, Newark, NJ
55. **Nutritional Impact of COVID-19 Induced Olfactory Dysfunction** - Presenter: Elizabeth M. Mastoloni, BS BA, Richmond, VA
56. **Seasonal Variation in Post-Tonsillectomy Hemorrhage: A Systematic Review and Meta-Analysis** - Presenter: Robert A. McQuitty, MD, Galveston, TX
57. **Harnessing Artificial Intelligence to Improve the Readability of Patient Educational Materials in General Otolaryngology** - Presenter: Andrew Meci, MPH, Hershey, PA
58. **Necessity of Immediate Postoperative Chest X-Ray after Hypoglossal Nerve Stimulator Implantation** - Presenter: Jacob Beiriger, BS, Philadelphia, PA
59. **Relationship between Therapeutic Positive Airway Pressure and Expansion Sphincter Pharyngoplasty Outcomes** - Presenter: Praneet C. Kaki, BS, Philadelphia, PA
60. **A Review of Virtual Sub-Internships in Otolaryngology: A Guide to Designing Future Virtual Programs** - Presenter: Kenny Nguyen, MEd, Burlington, VT
61. **The Otomatch Spreadsheet: Comparing the Accuracy of Otomatch and National Resident Matching Program Otolaryngology Applicant Statistics** - Presenter: Megan Nguyen, BA, Hershey, PA
62. **Utilizing Virtual Reality to Quantify Airway Volume Changes after Maxillomandibular Advancement** - Presenter: Kathryn L. Nunes, BA, Philadelphia, PA
63. **A Case of Hemorrhagic Angioedema** - Presenter: Lauren Langman, BS, Stony Brook, NY
64. **The Association between Craniofacial Anatomy and Hypoglossal Nerve Stimulator Treatment Response** - Presenter: Chau Minh Phung, BA, Philadelphia, PA
65. **The Impact of Microaggressions on the Wellbeing of Underrepresented Minorities in Medicine (URiM)** - Presenter: Corinne A. Pittman, MD, Washington, DC
66. **Role of Inhalation Injury in Burn Patients: A Nationwide Analysis** - Presenter: Michael Pozin, MSE, Urbana, IL
67. **Systematic Review of Laryngoscopy in Low and Middle Income Countries** - Presenter: Michael Pozin, MSE, Urbana, IL
68. **A Case of Lingual Raynaud's Syndrome** - Presenter: Jacob A. Riordan, MD, Stony Brook, NY
69. **Surgical Management of OSA Reduces Depression: A Systematic Review and Meta-Analysis** - Presenter: Craig D. Salvador, BS, Charleston, SC
70. **Trends in Twitter Utilization by Matched Otolaryngology Applicants** - Presenter: Bao Y. Sciscent, BS, Hershey, PA
71. **Efficiency and Safety of Obstructive Sleep Apnea Cases Performed in an Ambulatory Surgery Center** - Presenter: Samantha Marie Shave, BS, Boston, MA

72. **Parental Leave Policies after Training in Otolaryngology-HNS: A Systematic Review** - Presenter: Shreya Sriram, BS, Baltimore, MD
73. **Otolaryngology Based Airway Management Curriculum in Junior Anesthesia Residents** - Presenter: Suhas Suddala, BS, Worcester, MA
74. **Differences in Perceptions of Vaping among Vapers and Non-Vapers in the Medical School Population** - Presenter: Wooyoung Jang, BS, Lubbock, TX
75. **Trends in Lingual and Hyoid Surgery and Reimbursements for Obstructive Sleep Apnea among the Medicare Population** - Presenter: Sina John Torabi, MD, Orange, CA
76. **How Does Lacking a Home Program Impact Otolaryngology Applicants?** - Presenter: Leona J. Tu, BS, Philadelphia, PA
77. **Types of Sensory Impairment Differentially Associated with Mental Health in Older U.S. Adults** - Presenter: Alexander Z. Wang, BS, Chicago, IL
78. **Disparities in Inclusion of Speech Language Pathologists and Audiologists in Otolaryngology Publications** - Presenter: Melissa C. White, BA, Durham, NC
79. **Opioid Prescribing in Ambulatory Otolaryngology Procedures** - Presenter: Colten P. Wolf, MD, Maywood, IL
80. **Replication of Research Findings in the General Otolaryngology Clinical Trial Literature** - Presenter: Hong-Ho Yang, BS, Los Angeles, CA
81. **The Design and Reporting Quality of Clinical Trials in General Otolaryngology Journals over the Past Two Decades** - Presenter: Hong-Ho Yang, BS, Los Angeles, CA
82. **Exploring Fit in Otolaryngology Resident Selection** - Presenter: Sarah N. Bowe, MD EdM, JBSA-Ft Sam Houston, TX

HEAD AND NECK

83. **Close Resection Margins Do not Impact Local Recurrence Rate in Patients with HPV+ Oropharyngeal Cancer after Transoral Robotic Surgery** - Presenter: Madeleine R. Ausburn, BSA, Dallas, TX
84. **Depression Is Associated with Prolonged Time to Postoperative Radiation Therapy (PORT) in Head and Neck Cancer** - Presenter: Isak M. Beck, BS, Louisville, KY
85. **Assessment of a No Opioid Discharge Policy after Thyroid and Parathyroid Surgery: A Prospective Study** - Presenter: Sida Chen, MD, New York, NY
86. **Incidence of Prior HPV Associated Anogenital Lesions in Pathology Proven HPV+ OPSCC Patients** - Presenter: Christopher Matthew Dann, BS, Los Angeles, CA
87. **Gender Disparities in Head and Neck Cancer Treatment Modalities and Mortality Rates: Insights from a Large Database** - Presenter: Ravi Dhamija, BA, Cleveland, OH
88. **Contemporary Assessments of Individual and Community Level Social Determinant Associations with Chordoma/Chondrosarcoma Disparities in the U.S.** - Presenter: David Fei-Zhang, BS, Chicago, IL

89. **Utilization of Healthcare Resources among Adult Tracheostomy Patients: A Pilot QI Study** - Presenter: Taylor Layne Gelling (Nelson), BS, Omaha, NE
90. **Platelet Count - A Marker for Short-Term Complications following Head and Neck Free Flap Reconstruction** - Presenter: Jaclyn Lee, MD, Nashville, TN
91. **Clinical and Histopathology Features of Carcinoma Ex-Pleomorphic Adenoma (CXPA): A 28 Year Experience** - Presenter: Cheikh A. Mballo, BS, Los Angeles, CA
92. **The Role of Tumor Markers as Potential Predictors of an Unfavorable Prognosis in Carcinoma Ex-pleomorphic Adenoma (CXPA)** - Presenter: Cheikh A. Mballo, BS, Los Angeles, CA
93. **Seeing Better: Improved Visualization of Oropharyngeal Tumors Using Simple Maneuvers during Flexible Endoscopy** - Presenter: Arifeen S. Rahman, MD, Palo Alto, CA
94. **Margin Distance in Transoral Robotic Surgery for Tonsillar Cancer** - Presenter: Sweeya Raj, BA, Nashville, TN
95. **Effects of Surgical Timing on Outcomes and Complications in Patients with Mandibular Fractures** - Presenter: Shreya Shree Rangarajan, MSc, Champaign, IL
96. **Contemporary Assessments of Individual and Community Level Social Determinant Associations with Pituitary Adenoma Disparities in the U.S.** - Presenter: Rishabh Sethia, MD, Chicago, IL
97. **The Prognostic Significance of Anxiety, Inflammation and Treatment Response among Head and Neck Cancer Patients** - Presenter: Isak M. Beck, BS, Louisville, KY
98. **Association between Routine Versus Symptom Directed Followup and the Diagnosis of Recurrence in Patients with Head and Neck Squamous Cell Carcinoma** - Presenter: Geena Jung, BA, Bronx, NY
99. **Efficacy and Safety of Proton vs IMRT in the Treatment of Head and Neck Tumors** - Presenter: Srivatsa Surya Vasudevan, MD MS, Shreveport, LA
100. **Density Test for the Rapid Intraoperative Identification of "Normal Vs Hyperplastic" Parathyroid Gland** - Presenter: V. Peyton Pinkus, BS, Little Rock, AR
101. **A Clinical Conundrum: Recurrent Parotid Squamous Cell Carcinoma and a Concomitant IAC Mass Presenting with Facial Paralysis** - Presenter: Cheryl Yu, MD, Richmond, VA

LARYNGOLOGY/BRONCHOSOPHAGOLOGY

102. **Global Disparities in the Speech Language Pathology Workforce** - Presenter: Hasan Abdulbaki, BA, San Francisco, CA
103. **Who Gets Dysphonia? Characteristics of Dysphonia Patients at an Academic Medical Center** - Presenter: Kayley Anderson, BS, Omaha, NE
104. **The Effect of the COVID-19 Pandemic on Psychiatric Diagnoses among Adults with a Tracheostomy: A 10 Year Analysis** - Presenter: Radhika Duggal, MA, Cleveland, OH
105. **Optimizing Anesthesia and Oxygen Delivery Techniques: Impact on Type I Thyroplasty Outcomes** - Presenter: Soroush Farsi, BS, Little Rock, AR
106. **Anesthetic Techniques for Type 1 (Medialization) Thyroplasty: A Scoping Review** - Presenter: Brendan D. McNeely, MD MSc, Vancouver, BC Canada

107. **Competitive Hula Hooper to Cricoid Fracture** - Presenter: Alison Lea Tuominen, BS, Minneapolis, MN

OTOLOGY/NEUROTOLOGY

108. **Analysis of the Influence of Gender Differences in TEOAE Tests in Newborns** - Presenter: Ogechukwu S. Anwaegbu, BS, Galveston, TX

109. **Hearing Aids Improve Emotional Response to Music in Individuals with Hearing Loss** - Presenter: Alexander Chern, MD, Baltimore, MD

110. **Cochlear Damage in the Mouse Model of Lassa Virus Infection** - Presenter: Delaney Elizabeth Shiu Clark, BS, Galveston, TX

111. **Awareness of External Auditory Canal Exostosis and Attitudes and Behaviors Toward Its Prevention in the Surfer Population** - Presenter: Ryan Jacob Davis, BS, Los Angeles, CA

112. **Osia Bone Anchored Hearing Implant Multidimensional Outcomes: A Systematic Review and Meta-Analysis** - Presenter: Karina Theoret, MSc, Montreal, QC Canada

113. **ChatGPT-4 Performs Poorly in Analysis of Temporal Bone CT Scans** - Presenter: Aatin K. Dhanda, BA, Houston, TX

114. **Innovations for Ear Canal Reconstruction in Acquired Ear Canal Stenosis - The Fleur de Lis Technique** - Presenter: Arun K. Gadre, MD FACS MS DORL, Danville, PA

115. **Etiologies and Onset of Hearing Loss and Audiometric Characteristics among Older Adults in the United States** - Presenter: Tyler James Gallagher, BS, Los Angeles, CA

116. **When Is Frail too Frail? Examining the Association between Frailty and Risk of Cochlear Implant Explantation** - Presenter: Diana Hallak, BS, Columbus, OH

117. **Improvement in Hearing Loss following Treatment of Spontaneous Intracranial Hypotension: A Case Report and Literature Review** - Presenter: Mickie J. Hamiter, MD, New York, NY

118. **Outcomes following Single Stage Conversion of BAHA Implants to Osia 2** - Presenter: Alma Jukic, BA, Phoenix, AZ

119. **Examining Demographic Predictors for Sudden Sensorineural Hearing Loss (SSHL) Hearing Outcomes following Intratympanic Steroid Injections** - Presenter: Devin Kennedy, BS, Miami, FL

120. **Inadvertent Avulsion of Cochlear Implant Electrodes** - Presenter: Meghana Babu, MD, Maywood, IL

121. **Making a Racket in America's Fastest Growing Sport: Noise Levels Associated with Recreational Pickleball** - Presenter: Lawrance Lee, MD, Richmond, VA

122. **The First Six Months: A Critical Hearing Protection Adoption Period among Music Venue Attendees** - Presenter: Oluwatobiloba Ayo-Ajibola, BS, Los Angeles, CA

123. **Delayed Cochlear Implant Swelling: Inconvenience, Catastrophe, or Both?** - Presenter: Benjamin Daniel Lovin, MD, Houston, TX

124. **Sensory Integration in Patients with Vestibular Hypofunction: Postural Control Is Affected by Auditory and Visual Stimuli** - Presenter: Maura K. Cosetti, MD, New York, NY

125. **Impact of Meniere's Disease Severity on Cochlear Implantation Outcomes** - Presenter: Brevin Miller, BS, St. Louis, MO
126. **A Case of Middle Ear Lipochoistoma: A Rare Etiology of Hearing Loss** - Presenter: Oliwia W. Mlodawska, BS, Milwaukee, WI
127. **A Novel Posterior Wall Reconstruction and Obliteration Technique Using Bone Pate Plate for Mastoid Cavity Problems** - Presenter: Masaomi Motegi, MD PhD, Gunma, Japan
128. **Outcomes in Patients Meeting Private Insurance vs. Medicare Cochlear Implant Criteria in Noise but not in Quiet** - Presenter: Wasiq Nadeem, BS, San Antonio, TX
129. **Air Pollution Exposure Is Associated with Chronic Otitis Media Prevalence in U.S. Adults** - Presenter: Henrique Ochoa Scussiatto, MD, Chicago, IL
130. **Neuroimaging Changes in Olfaction and Hearing Impairment in Regions Previously Implicated with Cognitive Decline** - Presenter: Yoni Sacknovitz, BA, New York, NY
131. **Sequelae of Adult Temporal Bone Fractures: Results of a Multinational Database Analysis** - Presenter: Jason L. Steele, BS, Salt Lake City, UT
132. **Quality of Life Benefits of Bone Anchored Hearing Implants in Adults and Children: A Systematic Review** - Presenter: Karina Theoret, BSc, Montreal, QC Canada
133. **Ramsay Hunt Syndrome Polyneuropathy: How Vestibular Deficit Predicts Recovery** - Presenter: Erik Vanstrum, MD, Los Angeles, CA
134. **Feasibility of Evaluating Insertion Speed during Cochlear Implant Using Inertial Measurement Units (IMUs)** - Presenter: Troy Wesson, BS, Indianapolis, IN
135. **Serum Levels of Otologic Biomarker, Prestin, Suggest Cochlear Upregulation in Tinnitus Patients** - Presenter: James David Wilson, MD, Farmington, CT
136. **Calcification and Regenerative Treatment of Tympanic Membrane** - Presenter: Tomoya Yamaguchi, MD, Osaka, Japan
137. **Repair Outcomes of Near Dehiscence versus Frank Dehiscence of the Superior Semicircular Canal** - Presenter: Hong-Ho Yang, BS, Los Angeles, CA
138. **An Analysis of Cochlear Implant Related Complications: Postoperative Vertigo Reported by FDA's Manufacturer and User Facility Device Experience Database (2013 to 2022)** - Presenter: Aileen Baihe Zhang, BA, Baltimore, MD

PEDIATRIC OTOLARYNGOLOGY

139. **An Evaluation of Persistent Sleep Disordered Breathing and Obstructive Sleep Apnea after Adenotonsillectomy in Pediatric Patients with Face, Head, and Neck Burns** - Presenter: Robert Edward Africa, MD, Galveston, TX
140. **Trouble at Hogwarts: "Danger Space" Mediastinal Emphysema due to Penetrating Injury to the Posterior Oropharynx** - Presenter: Sami Alahmadi, MSc, Washington, DC

141. **Auditory Brainstem Response Findings in Children with Speech Delay and Autism Post-DSM-5 Change** -
Presenter: Christian Michael Blue, MS, Richmond, VA
142. **Melanotic Neuroectodermal Tumor of Infancy: A Case Report and Review of Literature** - Presenter: Jeewanjot S. Grewal, MD, Detroit, MI
143. **Plasmacytoma of the Temporal Bone Mimicking Mastoiditis in a Pediatric Patient: A Case Report** - Presenter: Oliwia Mlodawska, BS, Milwaukee, WI
144. **Social Determinants of Health Affecting Outcomes in Pediatric Cochlear Implant Recipients: Systematic Review and Meta-Analysis** - Presenter: Lauren Mueller, BA, St. Louis, MO
145. **Disparities in Management and Outcomes of Obstructive Sleep Apnea in Latino/Hispanic Children Undergoing Tonsillectomy and Adenoidectomy: A Review of the Literature** - Presenter: Julisa Nunez, MS, Washington, DC
146. **Complications of Tethered Oral Tissue in Preterm Infants** - Presenter: Lexina Rani Patel, BS, Louisville, KY
147. **Fistulograms for the Management of Recurrent and Atypical Congenital Neck Anomalies** - Presenter: Daniel Penaranda, MD, Palo Alto, CA
148. **Reducing the Morbidity of Incorrect Tracheostomy Tubes Placement in Children: A Quality Improvement Project** - Presenter: Alisha R. Pershad, BS, Washington, DC
149. **A Case of Unsuspected Laryngeal Atresia with Comorbid Tracheoesophageal Fistula and Cardiac Defects** -
Presenter: Abigail E. Reid, BSE, Omaha, NE
150. **Analysis of Otolaryngology Related Content on TikTok and Assessment of Quality of Information on the Social Media Site** - Presenter: Moaz Sinan, MD, Morgantown, WV