FRIDAY, APRIL 9, 2021    CENTRAL TIME ZONE

8:30   Welcome and Introductions by President  
C. Gaelyn Garrett, MD MMHC, Nashville, TN

8:33   Introduction of Presidential Citations  
Roland D. Eavey, MD FACS, Nashville, TN  
Harold (Rick) C. Pillsbury, MD FACS, Chapel Hill, NC  
Wendell G. Yarbrough, MD FACS, Chapel Hill, NC

8:37   Introduction of Guest of Honor  
Mark S. Courey, MD, New York, NY

8:40   Presidential Address  
We Are All Otolaryngologists  
C. Gaelyn Garrett, MD MMHC, Nashville, TN

9:00   Introduction of Joseph H. Ogura, MD Annual Lecturer  
By C. Gaelyn Garrett, MD MMHC, President

9:05   JOSEPH H. OGURA, MD, LECTURE  
Update on the COVID-19 Pandemic and Vaccine Landscape  
C. Buddy Creech, MD MPH FPIDS, Nashville, TN  
Director, Vanderbilt Vaccine Research Program

9:35   break

9:40   Introduction of 2021 Thesis Award Presentations by Thesis Chair  
Daniel G. Deschler, MD FACS, Boston, MA

9:41   2021 Harris P. Mosher Thesis Award for Clinical Science  
Benefits of Cochlear Implantation in Childhood Unilateral Hearing Loss (CUHL Trial)  
Kevin D. Brown, MD PhD, Chapel Hill, NC

9:47   2021 Edmund Prince Fowler Thesis Award for Basic Science  
The Synthetic Triterpenoid RTA-408 Limits Radiation Damage to Normal Tissue,  
Enhancing Vascular Integrity, and Improves Post-Irradiation Surgical Outcomes  
Adam J. Luginbuhl, MD, Philadelphia, PA

9:53   2021 Maureen Hannley Thesis Award for Alternative Science  
Geographic Variations in Healthcare Utilization and Expenditures for Chronic  
Rhinosinusitis: A Population Based Approach  
David W. Jang, MD, Durham, NC

10:00   VISIT EXHIBITORS
10:20  COMPLEMENTARY/INTEGRATIVE MEDICINE  
Moderator:  
Michael D. Seidman, MD, Celebration, FL  
Panelists:  
Ethics of Delivering Complementary/Integrative Medicine  
Susan D. McCammon, MD, Birmingham, AL  
Alternative Management for Vertigo and Tinnitus  
Michael D. Seidman, MD, Celebration, FL  
Complementary/Integrative Treatments for Head and Neck Cancer  
Marilene B. Wang, MD, Los Angeles, CA  
Nonmedical Approach to Pediatric ENT Symptoms  
Julie L. Wei, MD, Orlando, FL  

10:52  Moderator Wrap-up and Q&A  

11:00  break  

ALLERGY/RHINOLOGY & FACIAL PLASTIC AND RECONSTRUCTIVE SURGERY  

Moderators:  
Tamer A. Ghanem, MD PhD, Detroit, MI  
Ahmad R. Sedaghat, MD PhD, Cincinnati, OH  

11:05  Outcome of Intravenous Immunoglobulin Replacement Therapy in Adults with Recurrent Acute Rhinosinusitis  
Chadi Makary, MD, Morgantown, WV; John Behnke, MD, Morgantown, WV; Brian Peppers, DO PhD, Morgantown, WV; Hassan Ramadan, MD, Morgantown, WV  

11:10  Above and Beyond: Orbital Transposition Technique for Endoscopic Endonasal Access to Difficult Frontal Sinus Pathology  
Ashwini M. Tilak, MD, Birmingham, AL; Alejandro Pena-Garcia, MD, Birmingham, AL; Joshua Purvis, BS, Birmingham, AL; Do-Yeon Cho, MD MS, Birmingham, AL; Jessica W. Grayson, MD MS, Birmingham, AL; Bradford A. Woodworth, MD, Birmingham, AL  

11:15  Ergonomic Analysis in Functional Endoscopic Sinus Surgery Using Quantification of Joint Angles via Novel Inertial Sensors  
Annie Arrighi-Allisan, MD, New York, NY; Katherine L. Garvey, MPH, New York, NY; Janki Shah, MD, New York, NY; Anni Wong, MD, New York, NY; Satish Govindaraj, MD, New York, NY; Alfred Marc Illoreta, MD, New York, NY  

11:20  Natural History of Olfactory Dysfunction Associated with SARS-CoV-2 Infection  
Katherine L. Garvey, MPH, New York, NY; Annie E. Arrighi-Allisan, BA, New York, NY; David K. Lerner, MD, New York, NY; Peter Filip, MD, New York, NY; Satish Govindaraj, MD, New York, NY; Alfred Marc Illoreta, MD, New York, NY  

11:25  Long Term Outcomes after Inferior Meatus Augmentation Procedure with Cadaveric Rib Cartilage to Treat Empty Nose Syndrome  
Sachi S. Dholakia, BS, Stanford, CA; Dayoung Kim, BS, Stanford, CA; Angela Yang, BA, Stanford, CA; Jayakar Nayak, MD PhD, Stanford, CA  

11:30  Timing of Management of Maxillofacial Gunshot Wounds Requiring Free Tissue Transfer: Case Series with a Review of the Literature  
Mark I. Knackstedt, BS, Houston, TX; Sean P. McKee, MD, Houston, TX; Bradley Due, BS, Houston, TX; Tang Ho, MD, Houston, TX
11:35 Moderator Wrap-up and Q&A

11:40 break

11:45 COMBINED TRIO/AOS PANEL
ENDOSCOPIC EAR SURGERY: PROS, CONS AND TECHNIQUE
Moderator:
Alejandro Rivas, MD, Cleveland, OH
Panelists:
Joni K. Doherty, MD PhD, Los Angeles, CA
J. Walter Kutz, MD, Dallas, TX
Daniel J. Lee, MD, Boston, MA

12:20 Moderator Wrap-up and Q&A

12:25 VISIT EXHIBITORS and POSTERS

1:25 TRIOLOGICAL BUSINESS MEETING
NEW FELLOW INTRODUCTION OF 2020 FELLOWS & 2021 NEW FELLOWS ON CADMIUM MEETING PLATFORM

2:25 break

2:30 SOCIAL MEDIA IN MEDICINE: PEARLS AND PITFALLS
Moderator:
Romaine F. Johnson, MD MPH, Dallas, TX
Panelists:
Hayley L. Born, MD, Cincinnati, OH
Michael M. Johns III, MD, Los Angeles, CA
Jennifer A. Villwock, MD, Kansas City, KS

3:10 Moderator Wrap-up and Q&A

3:15 break

3:20 3D Printed Models for Percutaneous Nasal Osteotomy Resident Surgical Education
Kurren Gill, MD, Philadelphia, PA; Raphael G. Banoub, MD, Philadelphia, PA (Presenter); Emily S. Sagalow, BS, Philadelphia, PA; Joel J. Stanek, MD, Philadelphia, PA; Howard D. Krein, MD PhD, Philadelphia, PA; Ryan N. Heffelfinger, MD, Philadelphia, PA

3:25 Objectifying Injection Laryngoplasty for Unilateral Vocal Fold Paralysis: Challenges and Limitations
Melin Tan-Geller, MD, White Plains, NY; Alexandra Michalowski, MD, New York, NY; Juan Lin, PhD, Bronx, NY; Linda Carroll, PhD, New York, NY

3:30 Surgeon Positioning during In-Office Laryngeal Surgery: An Ergonomic Analysis
James Burns, MD, Boston, MA; Brandon Jackson Baird, MD, Chicago, IL (Presenter); Lauren Tracy, MD, Boston, MA; Monica Tynan, BS, Boston, MA; James Heaton, PhD, Boston, MA

FACIAL PLASTIC AND RECONSTRUCTIVE SURGERY,
LARYNGOLOGY/BRONCHOESOPHAGOLOGY, OTOLOGY/NEUROTOLOGY

Moderators:
David O. Francis, MD, Madison, WI
Marc L. Bennett, MD, Nashville, TN

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Alejandro Garcia, MD, Boston, MA; Divya A. Chari, MD, Boston, MA; Konstantina Stankovic, MD PhD, Boston, MA; Daniel J. Lee, MD, Boston, MA; Elliott D. Zokin, MD, Boston, MA; Kevin H. Franck, PhD MBA, Boston, MA

3:40 Accuracy and Patient Perceived Difficulty of Utilizing Ototopical Antibiotic Therapy
Anne Morgan Selleck, MD, Chapel Hill, NC; Matthew M. Dedmon, MD PhD, Chapel Hill, NC

3:45 Cochlear Implantation in Adults with Unilateral Deafness: A Systematic Review
Dillan F. Villavisanis, BA, New York, NY; Maria A. Mavrommatis, BA, New York, NY; Elisa R. Berson, BS, New Haven, CT; Zachary G. Schwam, MD, New York, NY; Maura K. Cosetti, MD, New York, NY; George B. Wanna, MD, New York, NY

3:50 Moderator Wrap-up and Q&A

3:55 break

GENERAL & HEAD AND NECK

Moderators:
Jennifer J. Shin, MD, Boston, MA
Michael C. Singer, MD, Detroit, MI

4:00 Geographic Distribution of Otolaryngology Advance Practice Providers and Physicians
Derek H. Liu, BS, Los Angeles, CA; Marshall Ge, MD, Los Angeles, CA; Elisabeth H. Ference, MD MPH, Los Angeles, CA

4:05 Evaluation of a Novel Low Cost, High Fidelity Epistaxis Simulator
Scott Edward Mann, MD, Aurora, CO; Farshad Nabid Chowdhury, MD, Aurora, CO; Anne Elizabeth Getz, MD, Aurora, CO; Cristina Cabrera-Muffly, MD, Aurora, CO

4:10 Patient Defined Goals for the Treatment of Adult Sleep Apnea
Yi Cai, MD, San Francisco, CA; Arushi Gulati, BS, San Francisco, CA; Priyanka Tripuraneni, BA, San Francisco, CA; Erika Stephens, BA, San Francisco, CA; Megan Durr, MD, San Francisco, CA; Jolie Chang, MD, San Francisco, CA

4:15 Public Perceptions of Radiofrequency Ablation vs. Standard Surgery for Benign Thyroid Nodules
Andy S. Ding, BA, Baltimore, MD; Deborah Xie, MD, Baltimore, MD; Lisa Zhang, BS BA, Baltimore, MD; Francis X. Creighton, MD, Baltimore, MD; Jonathon O. Russell, MD, Baltimore, MD

4:20 Trends in Adjuvant Therapy after Surgery for Oropharyngeal Squamous Cell Carcinoma
Ramez Philips, MD, Philadelphia, PA; Hamad Sagheer, BS, hamad.sagheer@jefferson.edu, PA; Brian Swendseid, MD, Philadelphia, PA; Adam Luginbuhl, MD, Philadelphia, PA; Joseph Curry, MD, Philadelphia, PA; David Cognetti, MD, Philadelphia, PA

4:25 Identification of Malignant Head and Neck Lymph Nodes through Machine Learning
S. Hamad Sagheer, BS BA, Philadelphia, PA; Aylin Tahmasebi, MD, Philadelphia, PA; Hudson Carter, BS, Philadelphia, PA; Uche Nwagu, BS, Philadelphia, PA; Joseph M. Curry, MD, Philadelphia, PA; Rashmi Balasubramanya, MD, Philadelphia, PA
4:30 Moderator Wrap-up and Q&A
4:35 break
4:40 TRIOLOGICAL POSTERS - MEET THE AUTHORS POSTER SESSION
5:45 Adjourn

SATURDAY, APRIL 10, 2021     CENTRAL TIME ZONE

7:30 TRIOLOGICAL ANNUAL BUSINESS MEETING - MEMBERS ONLY
WEBINAR INVITATIONS WILL BE SENT TO VOTING MEMBERS
(BUSINESS MEETING WILL NOT BE HELD ON COSM CADMIUM PLATFORM)

8:30 Remarks by President
C. Gaelyn Garrett, MD MMHC, Nashville, TN

8:35 - 9:55 LEARNING FROM OUR COLLEAGUES: SPECIALTY RESPONSE TO COVID-19
Moderator:
Sonya Malekzadeh, MD FACS, Washington, DC
Panelists:
AAFPRS - Theda C. Kontis, MD FACS, Baltimore, MD
ABEA & ASPO - Scott M. Rickert, MD FACS, New York, NY
AHNS - Cherie-Ann Nathan, MD FACS, Shreveport, LA
ALA - Maggie Kuhn, MD, Sacramento, CA
ANS & AOS - Alicia M. Quesnel, MD, Boston, MA
ASGO - Ozlem E. Tulunay-Ugur, MD, Little Rock, AR
ARS - Benjamin S. Bleier, MD FACS
SUO - Stacey T. Gray, MD FACS, Boston, MA

9:50 Moderator Wrap-up and Q&A
9:55 break

PEDIATRIC OTOLARYNGOLOGY

Moderators:
Eunice Y. Chen, MD PhD, Lebanon, NH
Michael E. McCormick, MD, Milwaukee, WI

10:00 Disparities in Pediatric Otitis Media and Tympanostomy Tube Placement
Ayan Purkayastha, BS, Worcester, MA; Prithwijit Roychowdhury, BS, Worcester, MA;
Lindsay Sobin, MD, Worcester, MA

10:05 Characterization of Positional Obstructive Sleep Apnea in Children
Michal Trope, MD BA, Cincinnati, OH; Jenna Barengo, MD, Cincinnati, OH; Carol
Li, MD, Cincinnati, OH; Stacey Ishman, MD, Cincinnati, OH

10:10 Differences in Clinical Presentation of Paradoxical Vocal Fold Motion (PVFM) by Age,
Sex, Race/Ethnicity
Julie S. Yi, BS, Baltimore, MD; Kelly A. Scriven, MD, Baltimore, MD; Jonathan M.
Walsh, MD, Baltimore, MD; Marisa A. Ryan, MD MPH, Baltimore, MD
10:15 Post-Tonsillectomy Hemorrhage Control with Nebulized Tranexamic Acid: A Retrospective Cohort Study
Dylan Erwin, BBA BA, San Antonio, TX; Philip Heichel, MD, San Antonio, TX; Laura Wright, BS, San Antonio, TX; Timothy McEvoy, MD, San Antonio, TX; Marisa Earley, MD, San Antonio, TX; Andrew Meyer, MD MS, San Antonio, TX

10:20 Adenotonsillectomy Clinical Care Guideline Implementation Is Associated with Reduced Postoperative Length of Stay in Same Day Discharge Patients
Jennifer M. Lavin, MD MS, Chicago, IL; Abbey Studer, MBA, Chicago, IL; Dana M. Thompson, MD MS MBA, Chicago, IL; Jonathan Ida, MD MBA, Chicago, IL; Jeffrey Rastatter, MD MS, Chicago, IL; Kathleen Billings, MD, Chicago, IL

10:25 Moderator Wrap-up and Q&A

10:30 break

10:35 SOMATIC SLEUTHING: HOW TO IDENTIFY AND SUCCESSFULLY MANAGE THE FUNCTIONAL SOMATIC PATIENT
Moderator:
Jay F. Piccirillo, MD, St. Louis, MO
Panelists:
Soha N. Ghossaini, MD, Auburndale, NY
Stephanie N. Misono, MD MPH, Minneapolis, MN
Jay F. Piccirillo, MD, St. Louis, MO

11:10 Moderator Wrap-up and Q&A

11:15 break

THE BEST OF TRIO

Moderator:
Scott L. Lee, MD FACS, Renton, WA

11:20 Olfactory Impairment and Neurodegenerative Changes on Magnetic Resonance Imaging (MRI) among Individuals with Cognitive Impairment - A Systematic Review
Julie Sunjoo Yi, BS, Baltimore, MD; Nanki Hura, BS, Baltimore, MD; Christopher Roxbury, MD, Chicago, IL; Sandra Y. Lin, MD, Baltimore, MD

11:25 Decisional Conflict in Obstructive Sleep Apnea Patients Presenting to Sleep Surgery Clinic
Arushi Gulati, BS, San Francisco, CA; Yi Cai, MD, San Francisco, CA; Jolie L. Chang, MD, San Francisco, CA

11:30 Evaluating Factors that Influence Patient Satisfaction in Otolaryngology Clinics
Taylor S. Redding, BA, Salt Lake City, UT; Andrew R. Stephens, BS, Salt Lake City, UT; Richard K. Gurgel, MD MSCI, Salt Lake City, UT

11:35 Comparison of Readmission and Complication Rates between Traditional Sleep Surgery and Upper Airway Stimulation Using a Novel, National Medical Record Database
Ryan Nord, MD, Richmond, VA; Thomas Houston Fitzpatrick IV, MD, Richmond, VA (Presenter); Jonathan DeShazo, PhD, Richmond, VA; Evan Reiter, MD, Richmond, VA

11:45  The 5 Item Modified Frailty Index as a Predictor of Short Term Outcomes in Complex Head and Neck Surgery
Khodayar Goshtasbi, MS, Orange, CA; Jack Birkenbeuel, BS, Irvine, CA; Brandon M. Lehrich, BS, Irvine, CA; Yarah M. Haidar, MD, Irvine, CA; Tjoson Tjoa, MD, Irvine, CA; Edward C. Kuan, MD, Irvine, CA

11:50  Post-Tonsillectomy Ibuprofen: Is there a Dose Dependent Bleeding Risk?
Steven Losorelli, Stanford, CA; Patrick Scheffler, MD, Phoenix, AZ; Hung-Fu Charlie Lin, NP-C, Stanford, CA; Yifei Ma, PhD, Palo Alto, CA; Mai Thy Truong, MD, Stanford, CA

11:55  Moderator Wrap-up and Q&A

Noon  Adjourn TRIO Session

12:15 - 1:15  ASPO/TRIO COLLABORATIVE PANEL – DURING ASPO SESSION
THE FUTURE OF OTOLARYNGOLOGY-HEAD AND NECK SURGERY: WHAT IS ON THE HORIZON?
Moderator: Reza Rahbar, MD FACS, Boston, MA
Panelists: Private Practice/Academic Affiliation
Mark S. Persky, MD FACS, TRIO Past President
Solo Practice in Rural America
Sigsbee W. Duck, MD FACS, TRIO Immediate Past President
ABOHNS Certification/Sub-certification
C. Gaelyn Garrett, MD, MMHC, TRIO President
Big Tents Keep More of Us Sheltered from the Elements
Blake C. Papsin, MD FACS, ASPO Past President
Viral Infection Children and the Future of Pediatric Otolaryngology
Anna H. Messner, MD, ASPO Immediate Past President
Fellowship Trends in Pediatric ORL and Potential Workforce Implication
Diego A. Preciado, MD PhD, ASPO President

135 TRIOLOGICAL SOCIETY POSTERS
POSTERS

Allergy/Rhinology

1. **Postoperative Outcomes of Transsphenoidal Pituitary Surgery Patients Treated with Xeroform**
   Annie E. Arrighi-Allisan, BA, New York, NY; Katherine L. Garvey, MPH, New York, NY; Andrey Filimonov, MD PharmD, New York, NY; Maria A. Mavrommatis, BA, New York, NY; Satish Govindaraj, MD, New York, NY; Alfred Marc Illoreta, MD, New York, NY

   Gregory L. Barinsky, PharmD, Newark, NJ; Christina H. Fang, MD, Newark, NJ; Aleena Abdullah, Newark, NJ; Jordon G. Grube, DO, Newark, NJ; Wayne D. Hsueh, MD, Newark, NJ; Jean Anderson Eloy, MD, Newark, NJ

3. **Predicting Postoperative Outcomes following Transsphenoidal Pituitary Surgery**
   Samer T. Elsamna, BA, Newark, NJ; Christina H. Fang, MD, Newark, NJ; Soly Baredes, MD, Newark, NJ; Jean Anderson Eloy, MD FACS, Newark, NJ

4. **Shared Decision Making in Elective Rhinological Surgery - A Scoping Review**
   Omar A. Karadaghy, MD MSCI, Kansas City, KS; Rachel R. Vukas, MLS MA, Kansas City, KS; Jennifer A. Villwock, MD, Kansas City, KS

5. **Trends in Nasal Spray Prescribing Patterns by Otolaryngologists in the US Medicare Population**
   Celeste S. Kim, BS, Los Angeles, CA; Erica M. Tran, BA, Los Angeles, CA; Kevin Hur, MJD, Los Angeles, CA

6. **Safety and Outcome of Endoscopic Septoplasty in Children**
   Janmaris Marin Fermin, MD, Shreveport, LA; Minaret Sandrea Jimenez, MD, Santiago de Chile, Chile; Valentina Gonzalez Yanez, MD, Caracas, Venezuela

7. **Skull Base Osteomyelitis Mimicking Nasopharyngeal Carcinoma**
   Jake Morgan, MD, Birmingham, AL; Chris Gentile, MD, Birmingham, AL; Sherif Helmy, BS, Birmingham, AL; Do-Yeon Cho, MD MS, Birmingham, AL; Brad Woodworth, MD, Birmingham, AL; Jessica Grayson, MD, Birmingham, AL

8. **The Impact of Financial Hardship on Mental Health among U.S. Patients with Sinusitis**
   Vivek Pandrangi, MD, Portland, OR; Jess C. Mace, MPH, Portland, OR; Mathew Geltzeiler, MD, Portland, OR

9. **Subjective Olfactory Dysfunction Is Significant in Chronic Rhinosinusitis Patients with Eosinophilic Mucin**
   Lindsey E. Ryan, MD, Augusta, GA; Aykut Unsal, DO, Philadelphia, PA; Matthew Brennan, DO MPH, Philadelphia, PA; Camilo Reyes, MD, Augusta, GA; Paul Biddinger, MD, Augusta, GA; Stilianos Kountakis, MD PhD, Augusta, GA

    Jordan R. Salley, BS, Dallas, TX; Callie L. Fort, MS MBA, Lubbock, TX; Joshua C. Demke, MD, Lubbock, TX; Phat Tran, PhD, Lubbock, TX; James C. Wang, MD PhD, Cincinnati, OH

11. **Analysis of Anosmia during the Covid-19 Pandemic: Long Term Anosmia Rates by Disease Severity**
    Ryan Darius Tabtabai, MD MPH, Brooklyn, NY; Robert Gurevich, BS, Brooklyn, NY (Presenter); Sam Schild, MD, Brooklyn, NY; Marina Boruk, MD, Brooklyn, NY
Franklin Wu, BA, Los Angeles, CA; Alison Yu, MD, Los Angeles, CA; Jee-Hong Kim, MD, Los Angeles, CA; Kevin Hur, MD, Los Angeles, CA

Facial Plastic and Reconstructive

13. Factors Associated with Increased Time to Surgery for Laryngochondroplasty
David W. Chou, MD, Oakland, CA; Christopher G. Tang, G., Tang, MD

14. A Twelve Year Analysis of Facial Fractures among Professional Soccer Players
Konrad M. Kozlowski, BA, Irvine, CA; Amir A. Hakimi, BS, Irvine, CA; Peter A. Rosston, BA, Menlo Park, CA; Brian J.F. Wong, MD PhD, Irvine, CA

15. Functional Outcome Measures after Nasal Septal Perforation Repair: A Systematic Review
Maria A. Mavrommatis, BA, New York, NY; Jaclyn Klimczak, MD, New York, NY; Stephen M. Russell, BA, New York, NY; Annie E. Arrighi-Allisan, BA, New York, NY; Emma Spring, New York, NY; Joshua D. Rosenberg, MD, New York, NY

Cullen M. Taylor, MD, Phoenix, AZ; Stephen F. Bansberg, MD, Phoenix, AZ

17. Haller’s Ansa: An Unrecognized Route of Facial Movement after Skull Base Surgery
Torin P. Thielhelm, BS, Miami, FL; Christine T. Dinh, MD, Miami, FL; Zoukaa Sargi, MD, Miami, FL; Michael E. Ivan, MD, Miami, FL; Liliana Ein, MD, Boston, MA

General

18. Retropharyngeal Fluid: To Drain or not to Drain
Diala T.H. Almardeeni, MD, Boston, MA; Rohan C. Wijewickrama, MD, Boston, MA

19. Panel Parity in Otolaryngology: Female Representation and Introductions at Annual Conferences
Annie E. Arrighi-Allisan, BA, New York, NY; Katherine L. Garvey, MPH, New York, NY; Anni Wong, MD, New York, NY; Janki Shah, MD, New York, NY; Marita S. Teng, MD, New York, NY; Maura K. Cosetti, MD, New York, NY

Annie E. Arrighi-Allisan, BA, New York, NY; Katherine L. Garvey, MPH, New York, NY; Aisosa Omorogbe, BS, New York, NY; Peter Filip, MD, New York, NY; Satish Govindaraj, MD, New York, NY; Alfred Marc Illoreta, MD, New York, NY

21. The Accuracy of Primary Language Documentation among Patients Undergoing Transphenoidal Resection of Anterior Skull Base Lesions
Annie E. Arrighi-Allisan, BA, New York, NY; Katherine L. Garvey, MPH, New York, NY; Kevin Wong, MD, New York, NY; Rebecca Kellner, BSE, New York, NY; Satish Govindaraj, MD, New York, NY; Alfred Marc Illoreta, MD, New York, NY

22. Access to Otolaryngologic Telemedicine Care during the Covid-19 Pandemic at an Urban Tertiary Hospital System
Sarita S. Ballakur, BA, New York, NY; Katerina Andreadis, MS, New York, NY; Anais Rameau, MD MPhil, New York, NY

23. Clinical Applications of Remote Telesurgery: A Systematic Review
Patrick J. Barba, BA, La Jolla, CA; Joshua A. Stramiello, MD, San Diego, CA; Emily Funk, MD, San Diego, CA; Ryan K. Orosco, MD, San Diego, CA
Andrew Jay Bowen, MD MS, Rochester, MN; Joseph N. El-Badaoui, MD, Rochester, MN; Alyssa
Jane Smith, MD, Rochester, MN; Shelagh A. Cofer, MD, Rochester, MN

25. Utilization of Disposable Laryngoscopes on an Inpatient Otorhinolaryngology Consulting
Service
Andrew Jay Bowen, MD MS, Rochester, MN; Wanda Lai Fussell, MD, Rochester, MN; Andrew J.
Goates, MD, Rochester, MN; Robert James Macielak, MD, Rochester, MN; Ryan Alexander
McMillan, MD, Rochester, MN; Garrett W. Choby, MD, Rochester, MN

Avery A. Bryan, BS, Shreveport, LA; Hrishikesh Samant, MD, Shreveport, LA; Ameya
Asarkar, MD, Shreveport, LA; Cherie-Ann Nathan, MD, Shreveport, LA; Alok
Khandelwal, PhD, Shreveport, LA

27. Covid-19: Otolaryngologic Manifestations
Jonathan S. Choi, MD, Houston, TX; Alyssa Claire Chapel, BS, Houston, TX (Presenter); Mas
Takashima, MD, Houston, TX; Mary T. Bowden, MD, Houston, TX

28. Correlation between Intolerance of Uncertainty and Postop Decisional Regret in
Otolaryngology Patients
Chelsea Cleveland, BS, Buffalo, NY; Shari Steinman, PhD, Morgantown, WV; Tyler
Wanstreet, BS, Morgantown, WV; Sarah Callaham, BS, Morgantown, WV; Michele M.
Carr, DDS MD PhD, Buffalo, NY

29. Current Landscape of Clinical Trials in Head and Neck Fluorescence Guided Surgery: A
Systematic Review
Kayva L. Crawford, MD, La Jolla, CA; Fernanda Pacheco, BA, San Diego, CA; Yu-Jin
Lee, MD, Palo Alto, CA; Eben L. Rosenthal, MD, Palo Alto, CA; Quyen T. Nguyen, MD
PhD, San Diego, CA; Ryan K. Orosco, MD, San Diego, CA

30. Safety and Efficacy of Upper Airway Stimulation for Obstructive Sleep Apnea in a
Community Hospital
John Dewey, BS, Kalamazoo, MI; Adithya Reddy, BS, Kalamazoo, MI; Aaron
Zebolsky, MS, Kalamazoo, MI; Corbin Sullivan, MD, Kalamazoo, MI; Leslie Steven
Szeles, MD, Kalamazoo, MI

31. Comparing Postoperative Parathyroidectomy Outcomes between Otolaryngologists and
General Surgeons
Samer T. Elsamna, BA, Newark, NJ; Omar Elkattawy, BA, Newark, NJ; Boris
Pashkover, MD, Newark, NJ

32. Outpatient Thyroidectomy: Expanded Indications for Same Day Discharge
Ethan Frank, MD, Loma Linda, CA; Jaimie Park, BA, Loma Linda, CA (Presenter); Lauran
Evans, MD MPH, Los Angeles, CA; Kristelle Imperio-Lagabon, BS, Loma Linda, CA; Joshua
Park, MD, Loma Linda, CA; Traci Bailey, MD, Indianapolis, IN; Alfred Simental, MD
MBA, Loma Linda, CA

33. Does Presence of Treatment Emergent Central Sleep Apnea Related to Positive Pressure
Predict Development to that Associated with INSPIRE Device Usage?
Scott D. Hirsch, MD, Aurora, CO; Gabriela Heslop, MD, Aurora, CO; Katherine K.
Green, MD MS, Aurora, CO
34. Surgical Exposure and Competence in Performing Open Tracheostomy: A Trainees Self-Perception Questionnaire
Hala M. Ali Kanawi, Jeddah, Saudi Arabia; Faisal Zawawi, MD MSc FRCSC, Jeddah, Saudi Arabia; Hanin Abdulrahman Alamoudi, Jeddah, Saudi Arabia; Shahad Zuhair Munshi, Jeddah, Saudi Arabia; Shahad Turki Almatrafi, Jeddah, Saudi Arabia; Yousef I. Marzouk, MBBS, Jeddah, Saudi Arabia

35. Impact of Covid-19 Pandemic on Access to Surgery in a Large, Integrated, Community Based Health System
Katherine Keefe, MD, Salt Lake City, UT; Brandon Hiatt, HSD, Salt Lake City, UT; Andrew Knighton, PhD CPA, Salt Lake City, UT; Eric Coon, MD, Salt Lake City, UT; Rajendu Srivastava, MD MPH FRCP, Salt Lake City, UT; Jeremy Meier, MD, Salt Lake City, UT

36. Health Literacy: Otolaryngology Patients Reading between the Lines
Garren M.I. Low, MD MS, Houston, TX; Shaina W. Gong, BS, Houston, TX; Joshua S. Smith, MD, St. Louis, MO; Ibrahim Alava, MD, Houston, TX

37. Professionalism in Otolaryngology Residencies You Know It When You See It…Or Do You?
Keith Myers, BS, Philadelphia, PA; Larry Laufman, EdD, Houston, TX; Anna Messner, MD, Houston, TX; Ellen M. Friedman, MD, Houston, TX

38. Telemedicine and Otolaryngology in the Covid-19 Era: An Analysis of Practice Patterns
Brandon Khoa Nguyen, MD, Newark, NJ; Hafiah Z. Eltahir, DO, Newark, NJ; Gregory L. Barinsky, PharmD, Newark, NJ; Yu-Lan M. Ying, MD, Newark, NJ; Wayne D. Hsueh, MD, Newark, NJ

39. Gender Representation on Otolaryngology-Head and Neck Surgery Journal Editorial Boards: Does It Reflect Our Workforce?
Anju K. Patel, MD, Boston, MA; Maya D. Fiore, BA, St. Louis, MO; Albert L. Merati, MD, Seattle, WA; Lyndsay L. Madden, DO, Winston-Salem, NC

40. Observational Analysis of Intraoperative Otologic Teaching
Mallory J. Raymond, MD, Charleston, SC; Elena Goldstein, BA, Charleston, SC; John Ziegler, BS, Charleston, SC; Ted A. Meyer, MD PhD, Charleston, SC

41. Sialendoscopy Findings of Sjogren’s Syndrome Compared to Open Salivary Biopsy Results
Leighton Forest Reed, MD, Memphis, TN; Edmond Benedetti, MD, Memphis, TN; Akash Patel, BS, Memphis, TN; Madhu Mamidala, PhD, Memphis, TN; M. Boyd Gillespie, MD, Memphis, TN

42. Evaluation of Factors Affecting Management of Post-Tonsillectomy Hemorrhage
Batsheva R. Rubin, MPH, Boston, MA; Alekha Kolli, BA, Boston, MA; Michal J. Plocienniczak, MD MS, Boston, MA; Lauren F. Tracy, MD, Boston, MA

43. Characteristic Pressure Waveforms Can Distinguish Different Airway Collapse Patterns in Sleep Apnea Patients
Ravi Rajendra Shah, MD, Philadelphia, PA; Ahmad F. Mahmoud, MD, Berkeley Heights, NJ; Raj C. Dedhia, MD, Philadelphia, PA; Erica R. Thaler, MD, Philadelphia, PA

44. Characteristics and Diagnostic Accuracy of Angioedema Cases: A Single Institution Retrospective Study
Rahul K. Sharma, BS, New York, NY; Alexandria L. Irace, BA, New York, NY; Ade Obayemi, MD, New York, NY; David A. Gudis, MD, New York, NY; Matthew Spotnitz, MD MPH, New York, NY; Jonathan B. Overdevest, MD PhD, New York, NY
45. Comparison of Scheduled Ibuprofen vs NSAID Avoidance on Post-Tonsillectomy Hemorrhage following Very Low Energy Monopolar Tonsillectomy
Steven David Shotts, MD FACS, Louisville, KY; Donald Vincent Welsh, MD FACS, Louisville, KY; Aisaku Nakamura, MS, Lexington, KY; Arnold J. Stromberg, PhD, Lexington, KY

46. Acquired Nasopharyngeal Stenosis
Jeremiah Charles Tracy, MD, Boston, MA; Elishama Garvens Michel, BSc, Charlottesville, VA (Presenter); Lauren Fedore Tracy, MD, Boston, MA; Andrew Scott, MD, Boston, MA

47. ENT Residency and Society Leadership: Evaluation of Diversity in a Nationwide Study
Priya A. Uppal, BS BA, Albany, NY; Tejas Kollu, BS, Albany, NY; Melissa A. Thomas, BS, Albany, NY; Melissa Mortensen-Welch, MD, Albany, NY

48. The Impact of an Otolaryngology Inpatient Consult Documentation Improvement Program
Farrukh R. Virani, MD, Sacramento, CA; Peter C. Wickwire, MD, Sacramento, CA; Debbie A. Aizenberg, MD, Sacramento, CA

49. Prophylactic Antibiotic Use in Surgical Management of Submandibular Gland Sialoliths
Melia Wakeman, BS, Syracuse, NY; Rohan Patel, MD, Syracuse, NY; Mark Marzouk, MD, Syracuse, NY

Head and Neck

50. Novel Virtual Workshop to Improve HPV and Oropharyngeal Cancer Knowledge among Interprofessional Students and Trainees
Shaghayegh S. Azar, BS, Los Angeles, CA; Lauran K. Evans, MD MPH, Los Angeles, CA; Brooke M. Su-Velez, MD MPH, Los Angeles, CA; Maia A. St. John, MD PhD, Los Angeles, CA

51. Adverse Events Associated with Devices Used in Sialendoscopy: A MAUDE Database Review
Christopher D. Badger, MD MBA, Washington, DC; Rohan A. Singh, , Arlington, VA; Ameet Singh, MD, Washington, DC; Arjun S. Joshi, MD, Washington, DC

52. Post-Thyroidectomy Transfers of Care for Complications in the Rural Setting
Nathan A. Blaseg, BS, Sioux Falls, SD; Sean Clausen, BS, Sioux Falls, SD; William C. Spanos, MD, Sioux Falls, SD

53. Socioeconomic Status and Survival in Nasopharyngeal Carcinoma: A Population Based Study
Sabrina Brody-Camp, MD MPH, New Orleans, LA; Edward McCoul, MD MPH, New Orleans, LA; Rizwan Aslam, DO, New Orleans, LA

54. Socioeconomic Disparities among Patients with Oral and Oropharyngeal Carcinoma
Nicolas Casellas, MD, Rochester, NY; Katherine Rieth, MD MA, Rochester, NY; Saiganesh Ravikumar, MPH, Rochester, NY; Shalini Shah, BA, Rochester, NY

55. Sinonasal Papillomas: 10 Year Followup Review of Etiology, Epidemiology, and Recurrence
Leila Chew, BS, Los Angeles, CA; Albert Y. Han, MD, PhD, Los Angeles, CA; Nopawan Vorasubin, MD, Los Angeles, CA; Marilene B. Wang, MD, Los Angeles, CA

56. Management of Lacrimal Gland Carcinoma: A National Cancer Database Study
Yeshwant R. Chilakaku, MSc, Washington, DC; Daniel A. Benito, MD, Washington, DC; Matthew Liu, BS, Washington, DC; Luke Pasick, MD, Miami, FL
57. Metastatic Adenoid Cystic Carcinoma of the Head and Neck: Treatment Trends and Survival Analysis
Yeshwant R. Chillakuru, MSc, Washington, DC; Daniel A. Benito, MD, Washington, DC; Matthew Liu, BS, Washington, DC; Luke Pasick, MD, Miami, FL

58. Quality of Life following Total Thyroidectomy and Lobectomy in Thyroid Cancer Survivors: Analysis of the PROFILES Registry Data
Peter V. Cooke, BA, New York, NY; Naomi Alpert, MS, New York, NY; Rebecca Schwartz, PhD, New York, NY; Eric Genden, MD, New York, NY; Emanuela Taioli, MD PhD, New York, NY; Maaike van Gerwen, MD PhD, New York, NY

59. Evaluation of Postoperative Pain in Outpatient Thyroid and Parathyroid Surgery Patients
Erin W. Creighton, MD, Little Rock, AR; Lindsay E. Dayer, PharmD BCACP, Little Rock, AR; Emre Vural, MD, Little Rock, AR; Mauricio A. Moreno, MD, Little Rock, AR; Jumin Sunde, MD, Little Rock, AR; Brendan C. Stack Jr., MD FACS, Springfield, IL

60. Cervical Spine Sarcopenia: A Possible Perioperative Predictor for Head and Neck Cancer Outcomes
Gabriela M. DeVries, MD, Winston Salem, NC; Irina Gavrila, BS, Winston Salem, NC; Joshua Waltonen, MD, Winston Salem, NC; Paul Bunch, MD, Winston Salem, NC

61. Targeting GPR35 in the Treatment of Cutaneous Squamous Cell Carcinoma
Manon Doucet, BS, Shreveport, LA; Gauri Shishodia, PhD, Shreveport, LA; Emily Zimmerman, BS, Shreveport, LA; Xiaohua Rong, Shreveport, LA; Cherie Ann Nathan, MD, Shreveport, LA; Alok Khandelwal, PhD, Shreveport, LA

62. Lung Carcinoma Presenting as Tongue Lesion
Jeewanjot S. Grewal, MD, Detroit, MI; Natalia Kyriazidis, MD, Syracuse, NY; Jesse Ryan, MD, Syracuse, NY

63. Prognostic Indicators of Survival in Surgically Treated HPV Related Oropharyngeal Squamous Cell Carcinoma
David Guirguis, BS, Farmington, CT; Ernest Gomez, MD, Boston, MA; Victoria Huang, MD, Boston, MA; Peter Nagy, MD, Boston, MA; Scharukh Jalisi, MD, Boston, MA

64. Factors Associated with Thigh Free Flap Donor Site Complications
Tu-Anh N. Ha, MD, Houston, TX; Nathan R. Lindquist, MD, Houston, TX; Zipei Feng, MD PhD, Houston, TX; David J. Hernandez, MD, Houston, TX; Andrew T. Huang, MD, Houston, TX

65. Sociodemographic Factors Impact Selection of Primary Treatment for HPV Associated Oropharyngeal Squamous Cell Carcinoma
Andy Mina Habib, MPH, Washington, DC; Aman Prasad, BS, Philadelphia, PA; Ryan M. Carey, MD, Philadelphia, PA; Robert M. Brody, MD, Philadelphia, PA; Jason G. Newman, MD, Philadelphia, PA; Jason A. Brant, MD, Philadelphia, PA

66. Real Time MRI for Tongue Cancer Patients: A Literature Review
Celeste S. Kim, BS, Los Angeles, CA; Liyang Tang, MD, Los Angeles, CA; Uttam K. Sinha, MD, Los Angeles, CA

67. Shared Decision Making between Parents, Children, and Surgeons during Pediatric Head and Neck Tissue Expansion
Ami Lesha, Boston, MA; Andrew Scott, MD, Boston, MA
68. **CXCL17 as a Prognostic Biomarker for Aggressive Cutaneous Squamous Cell Carcinoma**
Janmaris Marin Fermin, MD, Shreveport, LA; Ameya Asarkar, MD, Shreveport, LA; Maksudul Alam, PhD, Shreveport, LA; Xin Gu, MD, Shreveport, LA; Cherie-Ann O. Nathan, MD, Shreveport, LA; Alok Khandelwal, PhD, Shreveport, LA

69. **Frailty Is Independently Associated with Worse Outcomes and Increased Resource Use following Procedures to Treat Sinonasal Cancer**
Morcos N. Nakhla, MS, Los Angeles, CA; Rodell T. Santuray, MD, Los Angeles, CA; Peyman Benharash, MD, Los Angeles, CA; Jeffrey D. Suh, MD, Los Angeles, CA; Jivianne T. Lee, MD, Los Angeles, CA; Marilene B. Wang, MD, Los Angeles, CA

70. **Proliferative Myositis: An Uncommon Cause of Recurrent Trismus and Facial Swelling**
Kevin James Quinn, MD, Richmond, VA; Lexie Lulu Wang, MD, Richmond, VA; Evan Reiter, MD, Richmond, VA

71. **Aneurysmal Bone Cysts of Craniofacial Bones: A Systematic Review**
Rafey Rehman BS, Rochester, MI; Antonio Dekhou BS, Rochester, MI; Muhammad Osto BS, Detroit, MI; Jacob Agemy, BS, Dearborn; Brian Yuhan MD, Maywood, IL; Eric Thorpe MD, Maywood, IL

72. **Rate of Incidental Parathyroidectomy in a Pediatric Population**
Grace Sahyouni, BS, Los Angeles, CA; Beth Osterbauer, MPH, Los Angeles, CA; Juliana Austin, MD, Los Angeles, CA; Gabriel Gomez, MD, Los Angeles, CA; Daniel Kwon, MD, Los Angeles, CA

73. **Incidence of Synchronous Malignancies Found during Triple Endoscopy in Head and Neck Cancer**
Tuleen Sawaf, BS, Cleveland, OH; Humzah A. Quereshy, BA, Cleveland, OH; Claudia Cabrera-Aviles, MD, Cleveland, OH; Shawn Li, MD, Cleveland, OH

74. **Accessory Parotidectomy: A 40 Year Single Institution Experience**
Cheyanne M. Silver, MD, Rochester, MN; Christopher M. Low, MD, Rochester, MN; Eric J. Moore, MD, Rochester, MN

75. **Osteoradionecrosis of the Hyoid Presenting as Acute Airway Compromise**
Luke Stanisce, MD, Camden, NJ; Zoe Begun, BS, Camden, NJ; Nadir Ahmad, MD, Camden, NJ; Gregory J. Kubicek, MD, Camden, NJ; Yekaterina Koshkareva, MD, Camden, NJ

76. **WITHDRAWN -- Multidisciplinary Approach for the Management of Melanomas of the Head and Neck**
Kenric Tam, MD, Los Angeles, CA; Rance Fujiwara, MD, Los Angeles, CA; Daniel Silverman, MD PhD, Los Angeles, CA; Maie St. John, MD PhD, Los Angeles, CA

77. **Characterizing Predictors of Unplanned Hospital Admission following Ambulatory Parotidectomy**
Christopher C. Tseng, BS, Newark, NJ; Jeff Gao, BS, Newark, NJ; Gregory L. Barinsky, PharmD, Newark, NJ; Christina H. Fang, MD, Newark, NJ; Wayne D. Hsueh, MD, Newark, NJ; Jean Anderson Eloy, MD, Newark, NJ

78. **Transoral Excision of a Large Accessory Parotid Gland Tumor**
Rohith Subash Voora, BS, San Diego, CA; Joshua Stramiello, MD, San Diego, CA; Emily Funk, MD, San Diego, CA; Joseph Califano, MD, San Diego, CA

79. **Use of Crowdfunding to Support Patients with HPV Related Oropharyngeal Cancer**
Deborah X. Xie, MD, Baltimore, MD; Marietta Tan, MD, Baltimore, MD; C. Matthew Stewart, MD PhD, Baltimore, MD
Laryngology/Bronchoesophagology

80. **Tracheoesophageal Puncture Failure: A Scoping Review of Patient Characteristics and Etiologies**
    Shaghayegh S. Azar, BS, Los Angeles, CA; Karuna Dewan, MD, Palo Alto, CA; Dinesh K. Chhetri, MD, Los Angeles, CA

81. **A Case of Congenital Failure of Cricoid Ring Cannulation**
    Jerlon Chiu, MD, Stony Brook, NY; Melissa Mortensen, MD, Albany, NY; Roy Qu, BS, Stony Brook, NY

82. **A Method of Physiologic and Mathematical Characterization of Subglottic Stenosis Using Pulmonary Function Studies and Signal Analysis of Imaging Data**
    Tyler Crosby, MD, New Orleans, LA; Michael Dunham, MD, Baton Rouge, LA; Lacey Adkins, MD, Baton Rouge, LA; Andrew McWhorter, MD, Baton Rouge, LA

83. **Examining the Relationships between Subjective Ratings and Objective Measures of Vocal Fold Bowing during Flexible Laryngoscopy**
    James A. Curtis, PhD CCC-SLP BCS-S, New York, NY; James C. Borders, MS CCC-SLP, New York, NY; Andrew Tritter, MD, New York, NY; Michelle S. Troche, PhD CCC-SLP, New York, NY

84. **An Unusual Case of Bilateral Vocal Cord Granuloma and Anterior Glottic Web after Vocal Cord Papilloma Excision**
    Benjamin T. Ostrander, MD MSE, La Jolla, CA; Vanessa K. Yu, BS, San Diego, CA; Andrew Vahabzadeh-Hagh, MD, San Diego, CA

85. **Improvements in Cognition after Surgical Management of Obstructive Sleep Apnea**
    Emily Sagalow, BS, Philadelphia, PA; Matthew Stewart, BS, Philadelphia, PA; Nicolas Zingas, BS, Philadelphia, PA; Maurits Boon, MD, Philadelphia, PA; Colin Huntley, MD, Philadelphia, PA

86. **Characterizing Vocal Fold Bowing and Its Effects on Cough and Swallowing Function in Cerebellar Ataxia**
    Andrew Geoffrey Tritter, MD, New York, NY; James A. Curtis, PhD CCC-SLP BCS-S, New York, NY; James C. Borders, MS CCC-SLP, New York, NY; Sheng-Han Kuo, MD, New York, NY; Michelle S. Troche, PhD CCC-SLP, New York, NY

Otology/Neurotology

87. **The Association between Arachnoid Granulations and Pulsatile Tinnitus**
    Michael J. Bauschard, MD MS, Richmond, VA; Kaitlyn Reichl, BS, Richmond, VA; Leandro Socolovsky, BA, Richmond, VA; Aristides Sismanis, MD, Richmond, VA; Daniel Coelho, MD, Richmond, VA

88. **Pathogenesis of Primary Acquired Cholesteatoma: Systematic Review and Updates in Research**
    Nathaniel Breslin, BA, Gainesville, FL; Adam Snoap, MD, Gainesville, FL; Rex Haberman, MD, Gainesville, FL

89. **Evaluation of Diagnostic Imaging for Pulsatile Tinnitus among Otolaryngologists: A Single Institution Retrospective Review**
    Caitlin Cavarocchi, MM, Philadelphia, PA; Austin C. Cao, BA, Philadelphia, PA; Tiffany P. Hwa, MD, Philadelphia, PA; Michael J. Ruckenstein, MD, Philadelphia, PA; Douglas C. Bigelow, MD, Philadelphia, PA; Jason A. Brant, MD, Philadelphia, PA
90. Otologic Manifestations of Aspirin Exacerbated Respiratory Disease (AERD): A Systematic Review
Tiffany Chen, BA, Nutley, NJ; Zachary T. Grace, BS, Nutley, NJ; Maria Karim, BA, Nutley, NJ; Peter E. Ashman, MD, Newark, NJ; Brian Benson, MD, Hackensack, NJ; Peter F. Svider, MD, Hackensack, NJ

91. Case Control Study of Vitamin D in BPPV Patients: Locoregional Analysis from a Southeastern Institution
Leah H. Cobb, MSc, Charleston, SC; Victoria O. Bailey, BSc, Charleston, SC; Yuan F. Liu, MD, Charleston, SC; Michael T. Teixido, MD, Wilmington, DE; Habib G. Rizk, MD, Charleston, SC

92. Health Disparities in Inpatient Cochlear Implantation
Samer T. Elsamna, BA, Newark, NJ; Ibraheem Shaikh, BS, Newark, NJ; Yu-Lan Mary Ying, MD, Newark, NJ

93. Health Disparities in Inpatient Mastoidectomy for Mastoiditis
Samer T. Elsamna, BA, Newark, NJ; Ibraheem Shaikh, BS, Newark, NJ; Yu-Lan Mary Ying, MD, Newark, NJ

94. Imbalance and Vertigo across the Lifespan: Diagnostic Findings in a Specialty Pediatric and Adult Multidisciplinary Vestibular Clinic
Alana Ferreira, BA, Philadelphia, PA; Alanna M. Windsor, MD, New York, NY; Tiffany P. Hwa, MD, Philadelphia, PA; Erin Field, PA-C, Philadelphia, PA; Michael J. Ruckenstein, MD, Philadelphia, PA; Robert C. O'Reilly, MD, Philadelphia, PA

95. Understanding Risk Factors Associated with Unplanned Admission following Outpatient Tympanoplasty
Jeff Gao, BS, Newark, NJ; Christopher C. Tseng, BS, Newark, NJ; Gregory L. Barinsky, PharmD, Newark, NJ; Christina H. Fang, MD, Newark, NJ; Wayne D. Hsueh, MD, Newark, NJ; Jean Anderson Eloy, MD, Newark, NJ

Ryusuke Hori, MD PhD, Tenri, Nara; Tsuyoshi Kojima, MD PhD, Tenri, Nara; Yusuoke Okanoue, MD, Tenri, Nara; Shuya Otuki, MD, Tenri, Nara; Koki Hasebe, MD, Tenri, Nara; Hirotaka Yamamoto, MD, Tenri, Nara

97. Paraganglioma of the Vertical Facial Nerve Mimicking Temporal Bone Pseudotumor: A Rare Cause of Facial Paralysis
Tiffany P. Hwa, MD, Philadelphia, PA; Jennifer Douglas, MD, Philadelphia, PA; Amy Schettino, MD, Philadelphia, PA; Justin Shinn, MD, Philadelphia, PA; Ara Chalian, MD, Philadelphia, PA; Douglas C. Bigelow, MD, Philadelphia, PA

98. Pseudogout of the Temporomandibular Joint with Erosion of the Temporal Bone: An Atypical Cause of Chronic Otorrhea and Otalgia
Tiffany P. Hwa, MD, Philadelphia, PA; Evan Cretney, MD, Philadelphia, PA; Leila Mady, MD, Philadelphia, PA; Ara Chalian, MD, Philadelphia, PA; Douglas C. Bigelow, MD, Philadelphia, PA

99. Impact of Hyperbaric Oxygen Therapy on Eustachian Tube Function
Bria Cherise Johnson, BA MS, Washington, DC; Adnan S. Hussaini, MD, Washington, DC; Navin R. Prasad, BS, Washington, DC; Kelly Johnson-Arbor, MD, Washington, DC; Gregory J. Milmoe, MD, Washington, DC; Jeffrey Kim, MD, Washington, DC
100. Minimally Invasive Incision Technique for New Active Bone Conduction Implants
Emily Kay-Rivest, MD MSc, New York, NY; David R. Friedmann, MD MSc, New York, NY; Daniel Jethanesthesia, MD, New York, NY; J. Thomas Roland Jr., MD, New York, NY

101. Temporal Bone Osteoradionecrosis: An 18 Year, Single Institution Experience
Benjamin D. Lovin, MD, Houston, TX; Mike Hernandez, MS, Houston, TX; Hunter Elms, MD, Durham, NC; Amy C. Moreno, MD, Houston, TX; Marc Nader, MD, Houston, TX; Paul W. Gidley, MD, Houston, TX

102. Isolated Otologic Involvement of IgG4 Related Disease: A Case Report and Review of Literature
Hugh P. Mallany, BMSc, Biddeford, ME; Vincent Anagnos, DO, Philadelphia, PA; Tiffany Chao, MD, Philadelphia, PA; Kathleen Montone, MD, Philadelphia, PA; Steven Eliades, MD PhD, Philadelphia, PA

103. Fully Automated Measurement of Cochlear Duct Length from Clinical Temporal Bone Computed Tomography
Caio A. Neves, MD, Brasilia, DF; Emma D. Tran, BS, Stanford, CA; Nikolas H. Blevins, MD, Stanford, CA

104. Hearing Preservation with the Transcranial Approach for Petroclival Lesions
Evan J. Patel, BS, New York, NY; Emily Kay-Rivest, MD, New York, NY; Sean O. McMenomey, MD, New York, NY

105. Hearing Loss in Patients with MYH9 Related Disease: A Systematic Review and Introduction of a Case Study
Dhiraj Krishna Peddu, MD-C BA, Piscataway, NJ; Yu-lan Mary Ying, MD, Newark, NJ

106. WITHDRAWN--Auditory Brainstem Response Predictors of Hearing Outcomes after Middle Fossa Resection of Vestibular Schwannomas
Yin Ren, MD PhD, San Diego, CA; Catherine Merna, MD, Irvine, CA; Kareem O. Tawfik, MD, San Diego, CA; Marc S. Schwartz, MD, San Diego, CA; Rick A. Friedman, MD PhD, San Diego, CA

107. Gene Expression Changes in the Cochlear Nucleus of the Fragile X Syndrome Mouse Model, a Potential Model for Hyperacusis
Hitomi Sakano, MD PhD, Rochester, NY

108. Long Term Localization Abilities following Cochlear Implantation in Cases of Unilateral and Asymmetric Hearing Loss
Nicholas J. Thompson, MD, Chapel Hill, NC; Margaret T. Dillon, AuD, Chapel Hill, NC; Meredith A. Rooth, AuD, Chapel Hill, NC; Margaret E. Richter, BA, Chapel Hill, NC; Harold C. Pillsbury, MD, Chapel Hill, NC; Kevin D. Brown, MD PhD, Chapel Hill, NC

Kotaro Tsutsumi, BA, Irvine, CA; Khodayar Goshtasbi, MS, Irvine, CA; Pooya Khosravi, BS, Irvine, CA; Harrison W. Lin, MD, Irvine, CA; Hamid R. Djalilian, MD, Irvine, CA; Mehdi Abouzari, MD PhD, Irvine, CA

110. Cochlear Implantation Outcomes in Patients with TMPRSS3 Mutations
Brady Jay Tucker, BA, Indianapolis, IN; Timothy Shin, MD, Indianapolis, IN; Kevin T. Booth, PhD, Iowa City, IA; Rick F. Nelson, MD PhD, Indianapolis, IN

111. A Pediatric Pineal Region Tumor Presenting as Bilateral Hearing Loss
Sophia Uddin, PhD, Chicago, IL; Terence E. Imbery, MD, Chicago, IL
112. Impact of Vertigo on United States Adults with Depression
Aimee Layla Varnado, BS, Los Angeles, CA; Andre Anvari, BS, Pasadena, CA; Sheng Zhou, MD, Pasadena, CA; Bhavishya Clark, MD, Los Angeles, CA; Joni Doherty, MD PhD, Los Angeles, CA

113. Complication Rate, Cost Analysis and Surgical Technique of Titanium Mesh Cranioplasty for Translabyrinthine Tumor Removal
Laura M. Wright, BS, San Antonio, TX; Evan Sanford, MD, Cookeville, TN; Christopher Bogaev, MD, San Antonio, TX; Brian Perry, MD, San Antonio, TX

Pediatric Otolaryngology

114. Pediatric Follicular Lymphoma Presenting as a Neck Mass: A Case Report
Jeffrey Mark Bergeron, MD, New Orleans, LA; Joshua Kay, MD, New Orleans, LA; Ryan D. Winters, MD, New Orleans, LA

115. Children with Chronic Rhinosinusitis Have Higher Rates of Chronic School Absenteeism
Brian T. Cheng, BA, Chicago, IL

116. Nodular Fasciitis of the Temporal Fossa with Involvement of the Facial Nerve in a Pediatric Patient
Rebecca A. Compton, MD, Boston, MA; Andrew R. Scott, MD, Boston, MA

117. Influence of Craniofacial Anomalies on Postoperative Complication Rates for Pediatric Tympanostomy Tube Placement
Antonio Dekhou, BS, Rochester, MI; Deanna Tran, BS, Southfield, MI; Nader Berry, BS, Dearborn Heights, MI; Adam Folbe, MD, Birmingham, MI; Nathan Gonik, MD, Detroit, MI

118. Tonsillectomy for Obstructive Sleep Disordered Breathing: Should They Stay, or Could They Go?
Norman R. Friedman, MD, Aurora, CO; Maxene Meier, MS, Aurora, CO; Regina Hoenfer-Notz, RN, Aurora, CO; Kaitlyn Tholen, BS, Aurora, CO; Thanh Nguyen, MD, Aurora, CO; Lisa McLeod, MD, Aurora, CO

119. The Truth Is Hard to Swallow: A Case of Nonaccidental Traumatic Esophageal Perforation
Emily K. Gall, MD, Boston, MA; Tania Hassanzadeh, MD, Boston, MA; Andrew R. Scott, MD, Boston, MA

120. Case Report: Transoral Resection of Buccal Vascular Malformation with Facial Nerve Monitoring
Bailey Harvey, BS, Lubbock, TX; Rahul Varman, MD, Lubbock, TX; Winslo Idicula, MD, Lubbock, TX

121. Analysis of the Academic Pediatric Otolaryngology Workforce
Justin Andrew Koceja, BS, San Antonio, TX; Zach Burgess, BS, San Antonio, TX; Harold Pine, MD, Galveston, TX; Timothy McEvoy, MD, San Antonio, TX; Marisa Earley, MD, San Antonio, TX

122. Electronic Medical Record Based Tools: Not a Universal Panacea in the Diagnosis of Coin Shaped Foreign Body Ingestions
Jennifer M. Lavin, MD MS, Chicago, IL; Jacqueline B. Corboy, MD MS, Chicago, IL; Yiannis Katsoygidakis, MD MPH, Chicago, IL; Oanh Pham, RN, Chicago, IL; Dusty Brinson, RN, Chicago, IL; Steve Krug, MD, Chicago, IL
123. Development of a Nonsurgical Scoring Tool to Differentiate Allergic Fungal Sinusitis and Chronic Rhinosinusitis in Pediatric Patients
Friederike S. Luetzenberg, MBA, Orlando, FL; Timothy M. Maul, PhD, Orlando, FL; Julie L. Wei, MD, Orlando, FL

124. Review of the Effects of Gardasil Vaccination on Treatment Outcomes in Pediatric Patients with Recurrent Respiratory Papilloma
Ryan Van Marshall, MD, Birmingham, AL; Robert Wineski, MD, Birmingham, AL; Emma Panico, MD, Birmingham, AL; Andrew DeAtkine, BA, Birmingham, AL; Christopher Waltz, BA, Birmingham, AL; Brian Wiatrak, MD, Birmingham, AL

125. ENT Manifestations of Pediatric Granulomatosis with Polyangiitis: Results of a Case Series
Nicole L. Molin, MD, Philadelphia, PA; Walid Khalid Salah, BS, Salt Lake City, UT; Karen James, MD, Salt Lake City, UT; Albert Park, MD, Salt Lake City, UT

126. Prevalence of Middle Ear Effusion at Time of Tympanostomy Tube Placement before, during, and after Covid-19 Pandemic Mandatory Stay at Home Order
Dang-Khoa Nguyen, MS, Orlando, FL; Jeremy Jueng, BS, Orlando, FL; Timothy M. Maul, PhD, Orlando, FL; Julie L. Wei, MD, Orlando, FL

127. Pilot Study Evaluating Swallow Outcomes, Resource Allocation and Care for Patients following Laryngeal Cleft Repair
Matthew Pelson Partain, MD, Boston, MA; Christopher Hartnick, MD MS, Boston, MA; Cheryl Hersch, MS CCC-SLP, Boston, MA

128. Autonomous Classification of Pediatric Vascular Anomalies Using a Convolutional Neural Network
Palak Patel, MD, New Orleans, LA; Katelyn Ragland, MD, Little Rock, AR; Michael Dunham, MD, New Orleans, LA; Gresham Richter, MD, Little Rock, AR

129. Sleep Disorders Associated with Craniopharyngioma Resection in the Pediatric Population
Gustavo G. Rangel, MD, Memphis, TN; Anthony Sheyn, MD, Memphis, TN; Joshua Wood, MD, Memphis, TN; Tate M. Naylor, MD, Memphis, TN; Madhu P. Mamidala, PhD, Memphis, TN

130. Transhyoid Suture Guided Pharyngotomy for the Excision of Thyroglossal Duct Cysts: A Single Institution Experience
Christopher Mark Shumrick, MD, Boston, MA; Alyssa N. Calder, BS, Philadelphia, PA (Presenter); Andrew R. Scott, MD, Boston, MA; Mark A. Vecchiotti, MD, Boston, MA

131. The Hearing Aid Effect in 2020: A Cross-Sectional Survey Based Study
Abdullah Mohammed Sindi, MD, Jeddah, Saudi Arabia; Faisal Tarif Zawawi, MD MSc FRCSC, Jeddah, Saudi Arabia; Kamal Alaa Hanbazazah, MD, Jeddah, Saudi Arabia; Abdullah Eiyad Abu Alfaraj, MD, Jeddah, Saudi Arabia

132. Costs of Pediatric Neck Mass Procedures and Associated Hospital Readmissions
Alisse Gabrielle Singer, BA, Los Angeles, CA; Alisha West, MD, Los Angeles, CA

133. Systematic Review of the Prevalence and Outcomes of Vestibular Symptoms in Patients with Enlarged Vestibular Aqueducts
Maximilian C. Stahl, BA, Bronx, NY; Todd Otteson, MD MPH, Cleveland, OH

134. Integrative Medicine in Otolaryngology: A Contemporary Review
Zachary G. Tanenbaum, MS, Washington, DC; Daniel D. Swanson, BS, Washington, DC (Presenter); Stephanie Y. Johng, MS, Washington, DC; Earl H. Harley, MD, Washington, DC
135. The Role of Corticosteroids in Pediatric Head and Neck Infections: A Contemporary Review
Zachary G. Tanenbaum, MS, Washington, DC; Stephanie Y. Johng, MS, Washington, DC (Presenter); Daniel D. Swanson, BS, Washington, DC; Sadhana S. Sathi, MS, Washington, DC; Ear H. Harley, MD, Washington, DC