

**2020 TRIOLOGICAL SOCIETY COMBINED SECTIONS MEETING
HOTEL DEL CORONADO, CORONADO, CALIFORNIA
JANUARY 23-25, 2020**

CONTINUING MEDICAL EDUCATION CREDIT INFORMATION

Accreditation

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**AMERICAN COLLEGE OF SURGEONS
DIVISION OF EDUCATION**

PROGRAM SUBJECT TO CHANGE

THURSDAY, JANUARY 23, 2020

7:30 am ***Breakfast with Exhibitors - Ballroom***

GENERAL SESSION - CROWN ROOM

8:00 am **Welcome on behalf of the Section Vice Presidents**
Gregory A. Grillone, MD, Boston, MA

8:05 **Eastern Section Guest Introductions by Gregory A. Grillone, MD, Boston, MA**
Eastern Section Vice President
Citation Awardees: Andrew Blitzer, MD DDS, New York, NY
Michael P. Platt, MD, Boston, MA
Mark A. Varvares, MD, Boston, MA

Guest of Honor: Kenneth M. Grundfast, MD, Boston, MA
Professionalism

8:20 **Southern Section Guest Introductions by Fred F. Telischi, MD, Miami, FL**
Southern Section Vice President
Citation Awardees: Derald E. Brackmann, MD, Los Angeles, CA
Grayson K. Rodgers, MD, Birmingham, AL
Christine Dinh, MD, Miami, FL

Guest of Honor: W. Jarrard Goodwin, MD, Miami, FL
The Development of Subspecialty Care in an Academic Department of Otolaryngology

8:35 Western Section Guest Introductions by Albert L. Merati, Seattle, WA, Western Section Vice President

Citation Awardees: Jeffrey P. Harris, MD PhD, San Diego, CA
Gayle E. Woodson, MD, Merritt Island, FL
Lisa Orloff, MD, Stanford, CA

Guest of Honor: Timothy L. Smith, MD MPH, Portland, OR
Am I Upholding the Noble Legacy?

8:50 Middle Section Guest Introductions by Alan G. Micco, MD, Chicago, IL, Middle Section Vice President

Citation Awardees: James P. Chandler, MD, Chicago IL
Richard J. Wiet, MD FACS, Sawyer, MI
Claus-Peter Richter, MD PhD, Chicago, IL

Guest of Honor: Robert C. Kern, MD, Chicago, IL
Sinusitis: How Far Have We Come?

Presentation of Middle Section George Adams, MD Young Faculty Award to Catherine K. Hart, MD MS, Cincinnati, OH

Introduction by Alan G. Micco, MD, Middle Section Vice President

**9:10 Presidential Address by C. Gaelyn Garrett, MD MMHC, Nashville, TN
A Brief History of the Triological Society**

Introduction by Fred F. Telischi, MD, Southern Section Vice President

9:25 Presentation of Eighth Annual Patrick E. Brookhouser, MD Award of Excellence to Jonas T. Johnson, MD, Pittsburgh, PA

Introduction by C. Gaelyn Garrett, MD MMHC, President

9:30 - 10:00 Break with Exhibitors/View Posters - Ballroom

10:05 - 11:00 TRIOLOGICAL SOCIETY BEST PRACTICES

Moderator: Cherie-Ann Nathan, MD, Shreveport, LA

Panelists: When Should Pediatric Septoplasty be Performed for Nasal Airway Obstruction?

Sukgi S. Choi, MD, Boston, MA

Do Topical Products Reduce Post-Incision Scars?

David B. Hom, MD, San Diego, CA

Which Patients with Asymmetric SNHL Should Undergo Imaging?

David M. Kaylie, MD, Durham, NC

Is Topical Epinephrine Safe for Hemostasis in Endoscopic Sinus Surgery?

Edward C. Kuan, MD, Irvine, CA

Does the Use of Steroids Perioperatively in Parotid Surgery Affect Facial Nerve Outcomes?

Maie A. St. John, MD, Los Angeles, CA

11:00 Q&A

11:05 VIDEO SESSION

11:55 Q&A

12:00 - 1:00

Lunch/Visit Exhibits/View Posters - Ballroom

1:10 - 3:05 CONCURRENT SESSION 1A
HEAD AND NECK - CROWN ROOM

Moderator: Niels C.T. Kokot, MD, Los Angeles, CA

- 1:10** **2019 Triological Society Thesis - With Distinction Award**
Antitumor Effect of Insulin-Like Growth Factor -1 Receptor Inhibition in Head and Neck Squamous Cell Carcinoma
Mark J. Jameson, MD PhD FACS, Charlottesville, VA
- 1:17** **Geographical Variation in Healthcare Disparities and Factors Associated with Survival and Diagnosis in Head and Neck Squamous Cell Carcinoma**
Shekhar K. Gadkaree, MD, Boston, MA; Justin C. McCarty, MD MPH, Boston, MA; Jennifer Siu, MD MPH, Toronto, ON Canada; Mark A. Varvares, MD, Boston, MA; Regan W. Bergmark, MD, Boston, MA
- 1:24** **Tumor Phantom Model for Training and Technological Development in Transoral Surgery**
Michael T. Sramek, BS, Hanover, NH; Erick A. Quintanilla, Lebanon, NH; Aravind S. Ponukumati, BS, Lebanon, NH; Xiaotian Wu, PhD, Boston, MA; Ryan J. Halter, PhD, Hanover, NH; Joseph A. Paydarfar, MD, Lebanon, NH
- 1:31** **Prognostic Significance of Smoking Status on HPV Positive Oropharyngeal Cancer Staged under the 8th Edition of the American Joint Committee on Cancer (AJCC-8) Staging Manual**
Smrithi Chidambaram, BS, St. Louis, MO; Erik R. Nakken, BS BA, St. Louis, MO; Wade L. Thorstad, MD, St. Louis, MO; Jose P. Zevallos, MD MPH, St. Louis, MO; Angela L. Mazul, PhD MPH, St. Louis, MO
- 1:38** **An Immunogenomic Investigation of Oral Cavity Squamous Cell Carcinoma in Patients Aged 45 Years and Younger**
Christopher A. Maroun, MD, Baltimore, MD; Gangcai Zhu, MD PhD, Baltimore, MD; Carole Fakhry, MD MPH, Baltimore, MD; Drew M. Pardoll, MD PhD, Baltimore, MD; Rajarsi Mandal, MD, Baltimore, MD
- 1:45** **Single Modality versus Multimodality Treatment for Sinonasal Squamous Cell Carcinoma: A 16 Year Institutional Experience**
Terence S. Fu, MD, MBA, Toronto, ON Canada; Shiyi A. Chen, BBA MSc, Toronto, ON Canada; Shao H. Huang, MSc, Toronto, ON Canada; Jolie A. Ringash, MD MSc, Toronto, ON Canada; Ian J. Witterick, MD MSc, Toronto, ON Canada
- 1:52** **Intraoperative Revisions Lead to Better Free Flap Outcomes than Postoperative Anastomotic Revisions**
Perry B. Hammond, BS, Philadelphia, PA; Matthew J. Stewart, BS, Philadelphia, PA (Presenter); Emily Hunter, BS, Philadelphia, PA; Ishani Khatiwala, BS, Philadelphia, PA; Larissa Sweeny, MD, Baton Rouge, LA; Mark K. Wax, MD, Portland, OR; Joseph M. Curry, MD, Philadelphia, PA
- 1:59** **Q&A**

2:10 - 3:00 **Head and Neck Panel: Multicenter Care for the Cancer Patient**
Moderator: Maie A. St. John, MD, Los Angeles, CA
Panelists: **Guidelines for Multidisciplinary Care of Head and Neck Cancer Patients**
Carol R. Bradford, MD, Ann Arbor, MI
 Targeted Therapy and Immunotherapy in Multidisciplinary Care
Jeffrey M. Bumpous, MD, Louisville, KY
 When to Operate: Frailty, Life Choices and Survivorship
Jonas T. Johnson, MD, Pittsburgh, PA
 Guidelines for Multidisciplinary Care; Thyroid Cancer
Dennis H. Kraus, MD, New York, NY

3:00 **Q&A**

3:05 - 3:30 **Break with Exhibitors/View Posters - Ballroom**

1:10 - 3:10 CONCURRENT SESSION 1B

OTOLOGY/NEUROTOLOGY - EMPRESS/REGENT-GRAND HALL

1:10 - 2:05 **Otology/Neurotology Panel: Pulsatile Tinnitus - A Multidisciplinary Approach**
Moderator: David J. Eisenman, MD, Baltimore, MD
Panelists: Matthew Amans, MD, San Francisco, CA
Sujana S. Chandrasekhar, MD, New York, NY
Bradley W. Kesser, MD, Charlottesville, VA
Prashant Raghavan, MBBS, Baltimore, MD

2:05 **Q&A**

Moderator:

2:10 **2019 Triological Society Thesis - Honorable Mention Award**
Engineered Oncolytic Virus for the Treatment of Cholesteatoma: A Pilot in vivo Study
Ravi N. Samy, MD FACS, Cincinnati, OH

2:17 **Approach to Superior Semicircular Canal Dehiscence Repair: Comparing the Middle Fossa and Transmastoid Approaches**
Noga Lipschitz, MD, Cincinnati, OH; Scott Shapiro, MD, Cincinnati, OH;
Gavriel D. Kohlberg, MD, Seattle, WA; Joseph T. Breen, MD, Cincinnati, OH;
Myles L. Pensak, MD, Cincinnati, OH; Ravi N. Samy, MD, Cincinnati, OH

2:24 **A New Longitudinal Cohort to Study the Mechanistic Relationship between Hearing Loss and Dementia**
Justin S. Golub, MD MS, New York, NY; Rahul K. Sharma, BS, New York, NY;
Brady Q. Rippon, MS, New York, NY; Adam M. Brickman, PhD, New York, NY;
José A. Luchsinger, MD MPH, New York, NY

2:31 **Surgical Outcomes of a Novel Alloplastic Technique for External Auditory Canal Repair in Tympanomastoidectomy**
Karissa L. LeClair, BS, Hanover, NH; Christiaan A. Rees, PhD, Hanover, NH;
James E. Saunders, MD, Lebanon, NH

- 2:38** **Analysis of Bilateral Vestibular Schwannomas to Investigate the NF2 Patient Population: A National Cancer Database Study**
 Khodayar Goshtasbi, BS, Irvine, CA; Arash Abiri, BS, Irvine, CA; Mehdi Abouzari, MD, Irvine, CA; Tyler Yasaka, BS, Irvine, CA; Harrison W. Lin, MD, Irvine, CA; Hamid R. Djalilian, MD, Irvine, CA
- 2:45** **High Frequency Hearing Outcomes following Ossiculoplasty**
 Marc D. Polanik, BA, Boston, MA; Danielle R. Trakimas, MD, Baltimore, MD; Melissa Castillo Bustamante, MD, Boston, MA; Jeffrey T. Cheng, PhD, Boston, MA; Elliott D. Kozin, MD, Boston, MA; Aaron K. Remenschneider, MD MPH, Boston, MA
- 2:52** **Rationing Cochlear Implant Rotational Magnet Technology in a Single Payer Healthcare System**
 Colin G. Andrews, MD, Winnipeg, MB Canada; Justyn F. Pisa, AuD, Winnipeg, MB Canada; Jordan B. Hochman, MD FRCSC, Winnipeg, MB Canada
- 2:59** **Q&A**
- 3:05 - 3:30** **Break with Exhibitors/View Posters - Ballroom**

3:30 - 5:15 CONCURRENT SESSION 2A
RHINOLOGY/ALLERGY - CROWN ROOM

Moderator: John R. Craig, MD, Detroit, MI

- 3:30** **A Validated Predictive Risk Model for the Diagnosis of Invasive Fungal Sinusitis**
 Linda X. Yin, MD, Rochester, MN; Aviv Spillinger, BS, Rochester, MN; Katherine A. Lees, MD, Salt Lake City, UT; Garret W. Choby, MD, Rochester, MN; Erin K. O'Brien, MD, Rochester, MN; Janalee K. Stokken, MD, Rochester, MN
- 3:37** **A Systematic Review of Taste Dysfunction in Chronic Rhinosinusitis**
 Deborah Xie, MD, Baltimore, MD; Evelyn Leland, BS, Baltimore, MD; Stella M. Steal, MLS, Baltimore, MD; Nicholas R. Rowan, MD, Baltimore, MD
- 3:44** **Associations between Olfactory Dysfunction and Mortality in US Adults**
 Janet S. Choi, MD MPH, Los Angeles, CA; Jeehong Kim, MD, Los Angeles, CA; Elisabeth D. Ference, MD, Los Angeles, CA; Bozena B. Wrobel, MD, Los Angeles, CA
- 3:51** **Examining Surgeon Volumes and Outcomes for Rhinological Sinus Procedures with Respect to Industrial Funding Using SPARCS Database and Sunshine Act**
 Roshan U. Nayak, BS, New York, NY; Enrique Gorbea, MD, New York, NY; Christopher Pool, MD, Hershey, PA; Jay J. Agarwal, MD, New York, NY; David Y. Goldrich, BA, New York, NY; Alfred M.C. Illoreta, MD, New York, NY
- 3:58** **Sinonasal Manifestations in Autoimmune Disorders**
 Chadi A. Makary, MD, Augusta, GA; Brittany J. Gill, BS, Augusta, GA (Presenter); Brock Parman, BS, Augusta, GA; Thomas Holmes, MD, Augusta, GA; Stilianos E. Kountakis, MD PhD, Augusta, GA
- 4:05** **Infection after Endoscopic Dacryocystorhinostomy: Incidence and Associated Factors**
 Aria Jafari, MD, Boston, MA; Sarek A. Shen, BS, San Diego, CA; Catherine G. Banks, MBChB, Sydney, NSW Australia; Ashton Lehmann, MD, Boston, MA; George A. Scangas, MD, Boston, MA; Ralph Metson, MD, Boston, MA

- 4:12 Emotional and Personality Traits Are Determinants of Activity Avoidance in Chronic Rhinosinusitis Patients**
Madison V. Epperson, BA, Cincinnati, OH; Katie M. Phillips, MD, Boston, MA; Marlene M. Speth, MD MA, Aarau, Aargau Switzerland; David S. Caradonna, MD DMD, Boston, MA; Stacey T. Gray, MD, Boston, MA; Ahmad R. Sedaghat, MD PhD, Cincinnati, OH
- 4:19 Q&A**
- 4:25 - 5:10 Collaborative Panel with American Rhinologic Society: Biologics for CRS: Where Do We Stand in 2020?**
Moderator: Robert C. Kern, MD, Chicago, IL
Panelists: **Key Evidence for Biologics in the Treatment of CRS with Nasal Polyps**
Sandra Y. Lin, MD, Baltimore, MD
Why, When, Why not to
Stilianos E. Kountakis, MD PhD, Augusta, GA
Economic Impact of CRS with Nasal Polyposis in the Era of Biologics
Timothy L. Smith, MD MPH, Portland, OR
- 5:10 Q&A**
- 5:15 ADJOURN SESSION**
- 5:30 - 7:00 VICE PRESIDENT'S WELCOME RECEPTION (for all attendees) – Vista Terrace**

3:30 - 5:20 CONCURRENT SESSION 2B

LARYNGOLOGY/BRONCHOSOPHAGOLOGY - EMPRESS/REGENT-GRAND HALL

- 3:30 - 4:15 Collaborative Panel with American Society of Geriatric Otolaryngology: Swallowing Dysfunction in the Elderly**
Moderator: Karen M. Kost, MD, Montreal, QC Canada
Panelists: **Medication and Dysphagia**
David E. Eibling MD, Pittsburgh, PA
Imaging: What, When, and in Whom?
Ozlem E. Tulunay-Ugur, MD, Little Rock, AR
Topic pending
Gregory N. Postma, MD, Augusta, GA
- 4:15 Q&A**
Moderator: Katherine C. Yung, MD, San Francisco, CA
- 4:20 Automated Detection and Classification of Laryngeal Lesions Using Deep Learning**
Andres M. Bur, MD, Kansas City, KS; Hannah L. Kavookjian, MD, Kansas City, KS; Joseph Penn, BA, Kansas City, KS; Shannon M. Kraft, MD, Kansas City, KS
- 4:27 Post-Hospitalization Clinical Course after Tracheostomy: Opportunities to Improve Patient Care**
Elizabeth Olivia Shay, BA, Cleveland, OH; Darcy M. Hull, MA, Cleveland, OH; William M. Tierney, MD MS, Cleveland, OH; Andrew J. Bowen, MD MS, Rochester, MN; Brandon S. Hopkins, MD, Cleveland, OH; Paul C. Bryson, MD, Cleveland, OH

- 4:34 Gastric H+/K+ATPase Proton Pump Expression in the Larynx of Laryngopharyngeal Reflux and Laryngeal Cancer Patients**
Caroline A. McCormick, BS, Milwaukee, WI; Tina L. Samuels, MS, Milwaukee, WI;
Michele A. Battle, PhD, Milwaukee, WI; Talia S. Frolkis, BS, Milwaukee, WI;
Kenneth W. Altman, MD PhD, Danville, PA; Nikki J. Johnston, PhD, Milwaukee, WI
- 4:41 Novel Risk Factors for Adult Onset Recurrent Respiratory Papillomatosis**
Virginia E. Drake, MD, Baltimore, MD; Elaine O. Bigelow, MD, Baltimore, MD;
Simon R. Best, MD, Baltimore, MD; Gypsyamber D'Souza, PhD, Baltimore, MD; Carole
Fakhry, MD MPH, Baltimore, MD
- 4:48 Impact of Transnasal Humidified Rapid Insufflation Ventilatory Exchange (THRIVE) on Upper Airway Patency: A Pilot Trial**
Tyler S. Okland, MD, Palo Alto, CA; George S. Liu, MD, Palo Alto, CA;
Douglas Ryan Sidell, MD, Palo Alto, CA
- 4:55 The Utility and Safety of Transnasal Humidified Rapid Insufflation Ventilatory Exchange (THRIVE) for Microlaryngeal Surgery**
Bonnie Chen, BA BS, Cleveland, OH; Emily Zhang, BS, Cleveland, OH;
William S. Tierney, MD MS, Cleveland, OH; Michael S. Benninger, MD, Cleveland, OH;
Paul C. Bryson, MD, Cleveland, OH
- 5:02 RNA Sequencing to Identify Cancer Associated Changes in Laryngeal Cells Exposed to Pepsin**
Tina L. Samuels, MS, Milwaukee, WI; Joel H. Blumin, MD, Milwaukee, WI;
Jonathan M. Bock, MD, Milwaukee, WI; Nikki J. Johnston, PhD, Milwaukee, WI
- 5:09 Q&A**
- 5:15 ADJOURN SESSION**
- 5:30 - 7:00 VICE PRESIDENT'S WELCOME RECEPTION (for all attendees) – Vista Terrace**

FRIDAY, JANUARY 24, 2020

- 7:00 - 7:50 Business Meetings (Fellows Only)**
Southern Section - Continental
Western Section - Windsor Complex

7:30 Attendee Breakfast with Exhibitors - Ballroom

8:00 - 10:00 CONCURRENT SESSION 3A

FACIAL PLASTIC/RECONSTRUCTIVE SURGERY - CROWN ROOM

- 8:00 Announcements**
Moderator: David P. Goldstein, MD MSc, Toronto, ON

- 8:05 The Incidence of Concussion in Facial Trauma Patients: A Prospective Study**
Anthony A. Alessi, MD, Brooklyn, NY; Sydney C. Butts, MD, Brooklyn, NY (Presenter);
Min Gyu Noh, BA, Brooklyn, NY; Sandro James Corti, MD, West Long Branch, NJ;
Steven A. Yusupov, MD DDS, Brooklyn, NY; Walter A. Valesky, MD, Brooklyn, NY;
Yaacov A. Anziska, MD, Brooklyn, NY

- 8:12** **Peripheral Nerve Regeneration after Primary Repair Using Magnesium Microfilaments**
Brittany A. Leader, MD, Cincinnati, OH; Ryan M. Collar, MD MBA, Cincinnati, OH;
Tracy M. Hopkins, BS, Cincinnati, OH; Xiaoxian An, BS, Cincinnati, OH; Kevin J. Little, MD,
Cincinnati, OH; Sarah K. Pixley, PhD, Cincinnati, OH
- 8:19** **Rhinoplasty Surgical Instrument Utilization: A Quality Improvement Project**
Sunder S. Gidumal, BA, New York, NY; Mingyang L. Gray, MD, New York, NY; Samuel
Oh, BA, New York, NY; Joshua D. Rosenberg, MD, New York, NY
- 8:26** **Management of the Failed Free Tissue Transfer to the Head and Neck: A Multi-
Institutional Review and Algorithmic Approach**
Adam Nicholas Bender-Heine, MD, Portland, OR; Daniel Petrisor, DMD MD, Portland, OR;
Jeffrey Hyzer, BS, Portland, OR; Larissa Sweeny, MD, Baton Rouge, LA; Joseph M. Curry,
MD, Philadelphia, PA; Mark K. Wax, MD, Portland, OR
- 8:33** **Optimizing Intraoperative Videography for Rhinoplasty: A Guide for the Academic
Otolaryngologist**
Edward J. Chang, BS, Irvine, CA; Karthik R. Prasad, BS, Irvine, CA; Amir A. Hakimi, BS,
Irvine, CA; Lauren T. Standiford, BS, Mission Viejo, CA; Brian J.F. Wong, MD PhD,
Irvine, CA
- 8:40** **Developing a Cost Effective Surgical Headlight Using Consumer LED Lighting and 3D
Printing**
Deven K. Gupta, HS, Irvine, CA; Lily Chen, BS, Irvine, CA; Emon Heidari, BS, Irvine, CA;
Steven Chau, MD, Irvine, CA; Brandyn Dunn, MD, Irvine, CA; Brian J. Wong, MD PhD,
Irvine, CA
- 8:47** **Can Preoperative Lab Values Predict Postoperative Complications in Head and Neck
Free Flaps?**
Pierce M. Cooper, BS, Newark, NJ; Leonardo F. Antelo, BS, Newark, NJ;
Richard D. Bavier, BA, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard Chan Woo
Park, MD, Newark, NJ
- 8:54** **Evaluation of Open Source Software for 3D Imaging and Manipulation for Cosmetic
Surgery**
Ellen M. Hong, BA, Irvine, CA; Brian J. Wong, MD PhD, Irvine, CA
- 9:01** **Q&A**
- 9:05** **Facial Plastic/Reconstructive Panel: Multidisciplinary Approach to Skin Cancer
Therapy and Reconstruction**
Moderator: Lamont R. Jones, MD MBA, Detroit, MI
Panelists: Tamer A. Ghanem, MD PhD, Detroit, MI
Timothy M. Johnson, MD, Ann Arbor, MI
William W. Shockley, MD, Chapel Hill, NC
- 10:00** **Q&A**
- 10:05 - 10:30** **Break with Exhibitors/View Posters - Ballroom**

8:00 - 10:00 CONCURRENT SESSION 3B
GENERAL & SLEEP MEDICINE - EMPRESS/REGENT-GRAND HALL

8:00 **Announcements**

- 8:05 - 8:55** **Sleep Panel: Infant Sleep Apnea - Evaluation and Treatment**
Moderator: Valerie A. Flanary, MD, Milwaukee, WI
Panelists: Stacey L. Ishman, MD MPH, Cincinnati, OH
Romaine F. Johnson, MD MPH, Dallas, TX
Dana M. Thompson, MD, Chicago, IL
- 8:55** **Q&A**

Moderator: J. Madison Clark II, MD, Chapel Hill, NC
- 9:00** **Changes in Adult Sleep Endoscopy Obstruction Patterns with Increasing BMI**
Stephanie J. Wong, MD, Rochester, NY; Martha E. Luitje, MD, Rochester, NY; Sveta Karelsky, MD, Rochester, NY
- 9:07** **The Practicality of a Two Incision Surgical Approach for Hypoglossal Nerve Stimulator Implantation**
Joseph B. Meleca, MD, Cleveland, OH; Alan H. Kominsky, MD, Cleveland, OH
- 9:14** **Using the SPARCS Database to Evaluate the Relationship between Surgical Volume and Complication Rates for Uvulopalatopharyngoplasty Procedures**
Katherine Y. Liu, BA, New York, NY; Sen J. Ninan, BA, New York, NY;
Roshan U. Nayak, BA, New York, NY; Enrique Gorbea, MD, New York, NY; Jay Agarwal, MD, New York, NY; Alfred M. Iloreta, MD, New York, NY
- 9:21** **ERAS Protocol Reduces Postoperative Pain and Opioid Use**
Michele H. Schewe, BA, New York, NY; Matthew H. Kim, MD, New York, NY;
Anthony P. Sclafani, MD, New York, NY; Ashutosh Kacker, MBBS MD, New York, NY
- 9:28** **Sialographic Analysis of Parotid Ductal and Acinar Abnormalities Associated with Sjogren's Syndrome**
Megan J. Foggia, MD, Iowa City, IA; Joan E. Maley, MD, Iowa City, IA;
Bruno A. Policeni, MD, Iowa City, IA; Henry T. Hoffman, MD, Iowa City, IA
- 9:35** **Otolaryngology Physician Well Being and Burnout across the Training Career Spectrum**
David P. Larson, MD, Rochester, MN; Matthew L. Carlson, MD, Rochester, MN;
Christine M. Lohse, MS, Rochester, MN; Garret W. Choby, MD, Rochester, MN
- 9:42** **Current State of In-Training Otolaryngology Female Physicians**
Kathleen E. McClain, DO, Clinton Township, MI; Kathleen L. Yaremchuk, MD, Detroit, MI
- 9:49** **Twice as Nice: How Doubling the Required Otolaryngology Rotation Time Has Affected the Intern Experience Nationwide**
Matthew T. Maksimoski, MD, Chicago, IL; Sean A. Mutchnick, MD, Detroit, MI;
Samuel D. Racette, MD, Chicago, IL; Karina J. Yu, MD, Chicago, IL; Alan G. Micco, MD, Chicago, IL
- 9:56** **Q&A**
- 10:05 - 10:30** **Break with Exhibitors/View Posters - Ballroom**

10:30 - 12:30 CONCURRENT SESSION 4A
GENERAL AND RHINOLOGY/ALLERGY/SINUS - CROWN ROOM

- 10:30 - 11:20** **General/Rhinology/Allergy Panel: Balloon Sinuplasty - Benefits, Outcomes, Potential for Abuse**
Moderator: Justin L. Antisdell, MD, St. Louis, MO
Panelists: Pete S. Batra, MD, Chicago, IL
 Stacey T. Gray, MD, Boston, MA
 Steven D. Pletcher, MD, San Francisco, CA
- 11:20** **Q&A**

 Moderator: Jennifer J. Shin, MD, Boston, MA
- 11:25** **Predictors of Short Term Morbidity in Surgical Treatment of Esthesioneuroblastoma**
Khodayar Goshtasbi, BS, Irvine, CA; Arash Abiri, BS, Irvine, CA; Tyler Yasaka, BS, Irvine, CA; Mehdi Abouzari, MD PhD, Irvine, CA; Ethan Muhonen, MD, Irvine, CA; Edward C. Kuan, MD MBA, Irvine, CA
- 11:32** **Long Term Olfactory Outcomes Following Frontal Sinus Surgery in Chronic Rhinosinusitis**
David Y. Goldrich, BA, New York, NY; Katherine Y. Liu, BA, New York, NY (Presenter); Sen J. Ninan, BA, New York, NY; Sarah Kidwai, MD, New York, NY; Satish Govindaraj, MD, New York, NY; Alfred Marc Iloreta, MD, New York, NY
- 11:39** **Chronic Rhinosinusitis Outcomes of Patients with Aspirin Exacerbated Respiratory Disease Treated with Saline Irrigation and Intranasal Corticosteroids**
Rehab Talat, MD, Cincinnati, OH; Katie M. Phillips, MD, Stanford, CA; David S. Caradonna, MD DMD, Boston, MA; Stacey T. Gray, MD, Boston, MA; Ahmad R. Sedaghat, MD PhD, Cincinnati, OH
- 11:46** **Sinonasal Anatomic Variants in Allergic Fungal Rhinosinusitis**
Chadi A. Makary, MD, Augusta, GA; Brock Parman, BS, Augusta, GA (Presenter); Brittany J. Gill, BS, Augusta, GA; Thomas Holmes, MD, Augusta, GA; Stilianos E. Kountakis, MD PhD, Augusta, GA
- 11:53** **Aspirin Exacerbated Respiratory Disease: Clinical Implications of Elevated Atopic Markers of Inflammation**
Mulin Xiong, BA, East Lansing, MI; Rijul S. Kshirsagar, MD, Oakland, CA; David Chou, MD, Oakland, CA; Julia Wei, MPH, Oakland, CA; Jonathan Liang, MD FACS FARS, Oakland, CA
- 12:00** **The Use of Race and Socioeconomic Status Data in Published Otolaryngology Research**
Yash Prakash, Boston, MA; Libby M. Ward, MA, Boston, MA; Jennifer J. Liang, MD, Brooklyn, NY; Jessica R. Levi, MD, Boston, MA
- 12:07** **Trends in Otolaryngology Consult Volume at an Academic Institution 2014-2018**
Erica T. Sher, MD, Syracuse, NY; Brian D. Nicholas, MD, Syracuse, NY
- 12:14** **Long Term Academic Outcomes of Triological Society Research Career Development Award Recipients**
Christina Dorismond, MPH, Chapel Hill, NC; Adam M. Zanation, MD, Chapel Hill, NC
- 12:21** **Q&A**

12:30

ADJOURN - afternoon activities are listed after Concurrent Session 4B

10:30 - 12:30 CONCURRENT SESSION 4B
LARYNGOLOGY/BRONCHESOPHAGOLOGY AND
PEDIATRIC OTOLARYNGOLOGY - EMPRESS/REGENT-GRAND HALL

Moderator: Sandra L. Ettema, MD PhD, Springfield, IL

- 10:30** **Diagnosis and Treatment of Paradoxical Vocal Fold Motion Disorder in the Setting of Asthma Leads to Decreased Asthma Medication Use in Children**
Ryan J. Ivancic, BS, Columbus, OH; Laura A. Matrka, MD, Columbus, OH;
Gregory J. Wiet, MD, Columbus, OH; Amy S. Puckett, SLP, Columbus, OH;
Jennifer L. Haney, SLP, Columbus, OH; Brad W. DeSilva, MD, Columbus, OH
- 10:37** **Tracheotomy Timing and Outcomes in the Critically Ill: Complexity and Opportunities for Progress**
Tu-Anh N. Ha, MD, Houston, TX; Kenneth W. Altman, MD PhD, Houston, TX;
Vaithianathan K. Dorai, PhD MBA, Houston, TX; Babith J. Mankidy, MBBS, Houston, TX;
Huirong Zhu, PhD, Houston, TX
- 10:44** **Laryngotracheal Mucosal Surface Expression of Candidate Gene and Protein Biomarkers in Idiopathic Subglottic Stenosis**
Melissa M. Liu, MD PhD, Baltimore, MD; Kevin M. Motz, MD, Baltimore, MD;
Michael K. Murphy, MD, Syracuse, NY; Linda X. Yin, MD, Rochester, MN; Alexander Gelbard, MD, Nashville, TN; Alexander T. Hillel, MD, Baltimore, MD
- 10:51** **Development of a Dynamic Synthetic Vocal Fold Model**
Steven M. Chau, MD, Irvine, CA; Lily Y. Chen, BS, Irvine, CA; Hannah R. Silos, Irvine, CA;
Lauren A. Standiford, Irvine, CA; Brian J.F. Wong, MD PhD, Irvine, CA
- 10:58** **The Family Impact of Having a Child with a Tracheostomy**
Romaine F. Johnson, MD, Dallas, TX; Ashley Brown, MS CCC-SLP, Dallas, TX;
Candice H. Bailey, RN, Dallas, TX; Cynthia Whitney, RT, Dallas, TX; Rebecca Brooks, MSN
APRN RNC-NIC PCNS-BC, Dallas, TX
- 11:05** **Laryngoscopic Findings as a Predictor of Dysplasia in Patients with Recurrent Respiratory Papillomatosis**
Alizabeh K. Weber, BS, Seattle, WA; Molly N. Huston, MD, Seattle, WA; J.P. Smithto, MD,
Seattle, WA; Alexander Delidis, MD PhD, Athens, Greece; Albert L. Merati, MD, Seattle, WA
- 11:12** **A Novel Parent Reported Outcome Tool to Assess Swallowing Dysfunction in Otherwise Healthy Infants and Toddlers**
Abdulsalam Ali Baqays, MD MSc, Edmonton, AB Canada; Wendy L. Johannsen, MSLP S-
LP(C) RSLP, Edmonton, AB Canada; Maraghalara M. Rashid, PhD, Edmonton, AB Canada;
Hadi R. Seikaly, MD MA FRCSC, Edmoton, AB Canada; Hamdy G. El-Hakim, MD FRCS,
Edmonton, AB Canada
- 11:19** **Pediatric Tympanostomy Procedures in the Otolaryngology Office**
Theodore O. Truitt, MD, Saint Cloud, MN; James R. Kosko, MD, Orlando, FL;
Grace L. Nimmons, MD, St. Louis Park, MN; Jay D. Raisen, MD, Bismark, ND;
Sandra M. Skovlund, MD, St. Louis Park, MN; Shelagh A. Cofer, MD, Rochester, MN
- 11:26** **Q&A**

11:30 - 12:25 **Laryngology/Bronchoesophagology Panel: Vocal Fold Scar and Glottis Insufficiency**
Moderator: Michael S. Benninger, MD, Cleveland, OH
Panelists: **Sulcus Vocalis**
Joel H. Blumin, MD, Milwaukee, WI
 Surgery for Scar
James A. Burns, MD, Boston, MA
 The Role of Injectables
Thomas L. Carroll, MD, Boston, MA

12:25 **Q&A**

12:30 **ADJOURN SESSIONS**

AFTERNOON & EVENING - LEISURE OR ACTIVITIES

12:30 **GOLF OUTING (pre-registration required) - Coronado Course**

12:45 - 1:30 **TRIOLOGICAL THESIS SEMINAR (pre-registration required) - Crystal/Continental**

1:00 - 2:30 **RESIDENT BOWL (pre-registration required) - Crown Room**

12:45 - 2:45 **PHYSICIAN/SCIENTIST MEETING (by invitation) - Windsor Complex**

2:00 - 6:00 **AMERICAN SOCIETY OF GERIATRIC OTOLARYNGOLOGY SCIENTIFIC SESSION**
(registration required with ASGO) - Empress - Great Hall

SATURDAY, JANUARY 25, 2020

7:00 - 7:50 **Business Meetings (Fellows Only)**
Eastern Section - Windsor Complex
Middle Section - Continental

7:30 **Attendee Breakfast/View Posters - Ballroom**

7:55 - 9:45 GENERAL SESSION - CROWN ROOM

7:55 **Announcements**

Introduction of Vice Presidents-Elect by Section Vice Presidents
David E. Eibling, MD, Pittsburgh, PA - Vice President-Elect, Eastern Section
Donald T. Donovan, MD, Houston, TX - Vice President-Elect, Southern Section
Marilene B. Wang, MD, Los Angeles, CA - Vice President-Elect, Western Section
Dana M. Thompson, MD, Chicago, IL - Vice President-Elect, Middle Section

8:05 - 8:45 **Guest Lecture: Patient Safety: How to Avoid Medical Errors**
Captain Ryan Carron (USN), San Diego, CA

8:45 - 9:25 **Panel on Patient Safety: How to Avoid Medical Errors**
Moderator: pending
Panelists: Capt. Ryan Carron, San Diego, CA
 Chad A. Zender, MD, Cincinnati, OH
 Ravi N. Samy, MD, Cincinnati, OH

9:25 **Q&A**

9:30 - 10:00 **Break/View Posters - Ballroom**

**10:00 - 12:00 CONCURRENT SESSION 5A
GENERAL AND HEAD & NECK - CROWN ROOM**

- 10:00 - 11:00 **Head & Neck/Plastic & Reconstructive Surgery Panel: Melanoma - Imaging, Surgical Techniques and Outcomes**
Moderator: Mark J. Jameson, MD PhD, Charlottesville, VA
Panelists: Bhuvanesh Singh, MD, New York, NY
Steven J. Wang, MD, Tucson, AZ
- 11:00 **Q&A**
Moderator: Douglas J. Van Daele, MD, Iowa City, IA
- 11:05 **2019 Triological Society Thesis - Honorable Mention Award
Occlusion Driven and Digitally Based Jaw Reconstruction with Immediate
Osseointegrated Implant Installation**
Hadi Seikaly, MD, Edmonton, AB Canada
- 11:12 **A Vaccine for Skin Cancer? HPV Association with Cutaneous Malignancy**
Susan Kurian, MD, Shreveport, LA; Brent A. Chang, MD, Shreveport, LA
- 11:19 **Head and Neck Injuries Sustained from Watersports: A Ten Year Analysis of
Emergency Room Visits**
Lauren M. Boeckermann, MPH, Oakland, CA; Rijul S. Kshirsagar, MD, Oakland, CA;
Chris C. Xiao, MD, Oakland, CA; Nancy Jiang, MD, Oakland, CA
- 11:26 **Rate of Local and Overall Recurrence in Head and Neck Melanoma after Negative SLN
Biopsy**
Peter A. Pellionisz, BS, Los Angeles, CA; Kristen A. Echanique, MD, Los Angeles, CA;
Seong S. Moon, BS, Los Angeles, CA; Kera Kwan, BS, Los Angeles, CA; Shabnam
Ghazizadeh, MD, Los Angeles, CA; Maie A. St. John, MD PhD, Los Angeles, CA
- 11:33 **Botulinum Toxin for Chronic Sialadenitis Refractory to Sialendoscopy: Case Series
and Systematic Review of the Literature**
Madeleine P. Strohl, MD, San Francisco, CA; William R. Ryan, MD, San Francisco, CA;
Jolie L. Chang, MD, San Francisco, CA
- 11:40 **Parotidectomy via Periauricular Incision: A Comparative Analysis to Standard Parotid
Approaches**
C. Alessandra Colaianni, MD MPhil, Boston, MA; Allen L. Feng, MD, Boston, MA;
Jeremy L. Richmon, MD, Boston, MA
- 11:47 **Neck Dissection May Be of Low Utility in Previously Irradiated N0 Patients with
Recurrent Oral Cavity Cancer Regardless of Depth of Invasion**
Adeeb Derakhshan, MD, Boston, MA; Mustafa Ghaleb Bulbul, MD, Boston, MA (Presenter);
Anuraag Parikh, MD, Boston, MA; Kevin S. Emerick, MD, Boston, MA; Derrick T. Lin, MD,
Boston, MA; Daniel G. Deschler, MD, Boston, MA; Mark A. Varvares, MD, Boston, MA
- 11:54 **Q&A**
- 12:00 - 1:00 **Lunch/View Posters – Ballroom**

10:00 – 12:00 CONCURRENT SESSION 5B
OTOLOGY/NEUROTOLOGY - EMPRESS/REGENT-GRAND HALL

Moderator:

- 10:00** **Postoperative Acquired Cholesteatoma Outcomes in Rural versus Urban Populations**
Kenneth L. Kennedy, MD, Louisville, KY; Kevin M. Connolly, MD, Baltimore, MD;
Christina L. Albert, BS, Louisville, KY; Julie L. Goldman, MD, Louisville, KY;
Elizabeth D. Cash, PhD, Louisville, KY; Mark A. Severtson, MD, Louisville, KY
- 10:07** **Comparative Analysis of Otitis Media Associated Molecular Signaling in Primary and Immortalized Middle Ear Epithelial Cell Culture Models of Pediatric Otitis Media**
Caroline A. McCormick, BS, Milwaukee, WI; Mana E. Espahbodi, MD, Milwaukee, WI;
Pawjai K. Khampang, MS, Milwaukee, WI; Tina L. Samuels, MS, Milwaukee, WI;
Nikki J. Johnston, PhD, Milwaukee, WI; Joseph E. Kerschner, MD, Milwaukee, WI
- 10:14** **Pediatric Skull Base Fractures: An Analysis of Demographic Risk Factors and Age Related Complications**
Jacob S. Mesches, MS, Syracuse, NY; Alex J.F. Tampio, MD, Syracuse, NY;
Brian D. Nicholas, MD, Syracuse, NY
- 10:21** **Real Time Feedback Control of Voice in Cochlear Implant Recipients**
Steven J. Eliades, MD PhD, Philadelphia, PA; Anirud Guatam, BSc, Dublin, Ireland;
Jason A. Brant, MD, Philadelphia, PA; Michael J. Ruckenstein, MD, Philadelphia, PA
- 10:28** **Subjective Sudden Hearing Loss in Patients with Vestibular Schwannoma**
Kareem O. Tawfik, MD, San Diego, CA; Jason H. Lee, BS, San Diego, CA; Yin Ren, MD
PhD, San Diego, CA; Omid Moshtaghi, MD, San Diego, CA; Marc S. Schwartz, MD, San
Diego, CA; Rick A. Friedman, MD PhD, San Diego, CA
- 10:35** **Assessment of Noise Levels at the Tympanic Membrane during Aural Microsuction Using Cadaveric Temporal Bone Models**
Allen H. Young, MD, Las Vegas, NV; Matthew Ng, MD, Las Vegas, NV
- 10:42** **Performance Measures and Gait Outcomes as a Function of Operative Approach in Acoustic Neuroma Surgical Resection**
Omid Moshtaghi, MD, San Diego, CA; Joe Saliba, MD, San Diego, CA; Pasha
Mehranpour, , San Diego, CA; Kareem Tawfik, MD, San Diego, CA; Marc Schwartz, MD,
San Diego, CA; Rick Friedman, MD PhD, San Diego, CA
- 10:49** **Q&A**
- 10:55 - 12:00** **Otology/Neurotology Panel: Unusual Dizziness**
Moderator: Alan A. Micco, MD, Chicago, IL
Panelists: Yuri Agrawal, MD, Baltimore, MD
Michael E. Hoffer, MD, Miami, FL
Peter Weisskopf, MD, Phoenix AZ
- 11:55** **Q&A**
- 12:00 - 1:00** **Lunch/View Posters - Ballroom**

12:10 - 1:00

Tips for Peer-Reviewing from the Editors - Open to current and potential reviewers for The Laryngoscope and Laryngoscope Investigative Otolaryngology (attendees should bring lunch from the buffet to the seminar) Crystal/Continental

1:10 - 3:05 CONCURRENT SESSION 6A
PEDIATRIC OTOLARYNGOLOGY - CROWN ROOM

Moderator:

1:10 The Use of Bone Conduction Hearing Devices in Children with Unilateral Congenital Aural Atresia

Nicole L. Alexander, BSA, Houston, TX; Rodrigo C. Silva, MD, Houston, TX;
Yi-Chun C. Liu, MD, Houston, TX

1:17 Validation of the Preschool HEAR-QL Survey

Cathy Y. Yu, BS, St. Louis, MO; Donna B. Jeffe, PhD, St. Louis, MO;
Margaret A. Kenna, MD MPH, Boston, MA; John A. Germiller, MD PhD, Philadelphia, PA;
Judith E.C. Lieu, MD MSPH, St. Louis, MO

1:24 How Long Does It Take to Master Flexible Nasolaryngoscopy in Children?

Kieran S. Boochoon, BS MS, Bryan, TX; Julina Ongkasuwan, MD FACS, Houston, TX; Wei Zhang, PhD, Houston, TX; Annie K. Ahn, MD, Houston, TX; Mary Frances Musso, DO, Houston, TX; Yi-Chun Carol Liu, MD FACS, Houston, TX

1:31 Safety of Adenotonsillectomy in Children Younger than 2 Years of Age

Eshita Singh, BS, Cincinnati, OH; Kathleen M. Sarber, MD, Cincinnati, OH;
John A. Stafford, MD, Cincinnati, OH; Stacey L. Ishman, MD, Cincinnati, OH

1:38 Evolving Microbial Patterns of Acute Coalescent Mastoiditis in the Post-Pneumococcal Vaccination Era

Dhruv Sharma, MD, Indianapolis, IN; Daniel R. Romano, BS, Indianapolis, IN; Jerry Chen, BA, Indianapolis, IN; Lindsay Mulinaro, AuD, Indianapolis, IN; Elisa A. Elisa, MD, Indianapolis, IN; Sarah J. Burgin, MD, Indianapolis, IN

1:45 A Longitudinal Analysis of Outcomes in Tracheostomy Placement Among Preterm Infants

William Wood, BSA, Dallas, TX; Cynthia S. Wang, MD, Dallas, TX; Gopi B. Shah, MD MPH, Dallas, TX; Ron B. Mitchell, MD, Dallas, TX; Romaine F. Johnson, MD MPH, Dallas, TX

1:52 Effect of Postoperative Steroid Dosing on Complications following Coblation Tonsillectomy

John A. Stafford, MD, Cincinnati, OH; Andrew J. Redmann, MD, Cincinnati, OH; Eshita Singh, BS, Cincinnati, OH; Kathleen M. Sarber, MD, Cincinnati, OH; Stacey L. Ishman, MD MPH, Cincinnati, OH

1:59 Q&A

2:05 - 3:00 Collaborative Panel with American Society of Pediatric Otolaryngology: Big Problems, Little Patients

Moderator: J. Paul Willging, MD, Cincinnati, OH

Panelists: Hard to Understand

Anna H. Messner, MD, Houston, TX

Important Ways They Are Not Just Like Small Adults

Blake C. Papsin, MD, Toronto, ON Canada

Aspiration and Pneumonia: Myth and Reality

Reza Rahbar, MD, Boston, MA

3:00 Q&A

3:10 - 3:30 Break/View Posters - Ballroom

1:10 - 3:05 CONCURRENT SESSION 6B
GENERAL AND SLEEP MEDICINE - EMPRESS/REGENT-GRAND HALL

1:10 - 2:05 **General Panel: State of The Art - Image Guidance**
Moderator: Eben L. Rosenthal, MD, Stanford, CA
Panelists: **Fluorescence Imaging of Nerves during Surgery**
Quyên T. Nguyen, MD, PhD, San Diego, CA
Oral Cancer Resections Improved with Fluorescence Guidance
Eben L. Rosenthal, MD, Stanford, CA
Ultrasound Guided Thyroid Biopsy and Ablation
David L. Steward, MD, Cincinnati, OH

2:05 Q&A

Moderator:

2:10 **Evaluation of Patient Phenotypes and Sleep Surgery Outcomes**
George M. Davies, BS, Memphis, TN; Madhu P. Mamidala, PhD, Memphis, TN;
Kimberly K. Coca, BS, Memphis, TN; Marion B. Gillespie, MD MSc, Memphis, TN

2:17 **Trends in Sleep Disordered Breathing - A Cross-Sectional Analysis**
Stuti Desai-Markowski, MD, Dallas, TX; Gopi B. Shah, MD MPH, Dallas, TX;
Ron B. Mitchell, MD, Dallas, TX; Romaine F. Johnson, MD MPH, Dallas, TX

2:25 **The Impact of Mental Disorders on Outcomes in Head and Neck Cancer Surgery**
Jeff Gao, BS, Newark, NJ; Christopher C. Tseng, BS, Newark, NJ;
Gregory L. Barinsky, PharmD, Newark, NJ; Soly Baredes, MD, Newark, NJ;
Richard C. Park, MD, Newark, NJ

2:32 **Airway Intervention and Specialty Consultation Patterns in Angiotensin Converting Enzyme Inhibitor Induced Angioedema**
Navin P. Prasad, BS, Washington, DC; Mark E. Russo, MD, Washington, DC;
Kathleen M. Coerdts, BS, Washington, DC; Nazaneen E. Grant, MD, Washington, DC

2:39 **Characteristics of the Highest and Lowest Cited Articles in Otolaryngology Journals**
Nicholas J. Rivers, BS, Birmingham, AL; Carter J. Boyd, BS, Birmingham, AL;
Connor G. Koch, BS, Birmingham, AL; Benjamin J. Greene, MD, Birmingham, AL; Do-Yeon Cho, MD, Birmingham, AL

2:46 **Association of Gastroesophageal Reflux Disease with Head and Neck Cancer: A Systematic Review and Meta-Analysis**
Annica C. Eells, BS, Phoenix, AZ; Christopher P. Mackintosh, MD, Phoenix, AZ;
Michael J. Marino, MD, Phoenix, AZ

2:53 **An Analysis of Medicare Reimbursement Rates in Otolaryngology: 2000-2019**
Johanny Lopez Dominguez, BS, Scottsdale, AZ; Sophia A. Ederaine, BS, Scottsdale, AZ
(Presenter); Jack M. Haglin, BS, Scottsdale, AZ; David M. Barrs, MD, Scottsdale, AZ;
Ana M. Aragon Sierra, BS, Scottsdale, AZ; David G. Lott, MD, Scottsdale, AZ

3:00 **Sialendoscopy for Salivary Duct Stenosis: A Case Control Study**
Karolina A. Plonowska, MD, San Francisco, CA; Edgar Ochoa, BS, San Francisco, CA;
Jolie L. Chang, MD, San Francisco, CA

3:05 **Q&A**

3:10 - 3:30 **Break/View Posters - Ballroom**

3:30 - 4:40 - GENERAL SESSION - CROWN ROOM

3:30 - 4:30 **Wellness: How to Identify and Address the Person at Risk**

Moderator: Sonya Malekzadeh, MD, Washington, DC

Panelists: **Department Chair Perspective**

Alexander G. Chiu, MD, Kansas City, KS

Using the EHR for Wellness Initiatives

J.P. Giliberto, MD, Seattle, WA

Personal Strategies for Balance and Health

Michael D. Seidman, MD, Celebration, FL

Hospital Wellbeing Initiatives

Julie L. Wei, MD, Orlando, FL

4:30 **Q&A**

4:45 **ADJOURN SESSION**

5:00 - 6:30 pm **MEET THE AUTHORS POSTER RECEPTION - for all attendees - Ballroom**

POSTER PROGRAM

Allergy/Rhinology

1. **Influence of Adjuvant Immunotherapy in Survival following Surgical Resection of Sinonasal Mucosal Melanoma**
Arash Abiri, BS, Irvine, CA; Tyler Yasaka, BS, Irvine, CA; Khodayar Goshtasbi, BS, Irvine, CA; Michael Berger, MD, Irvine, CA; Edward C. Kuan, MD MBA, Irvine, CA
2. **Comparison of Socioeconomic and Demographic Factors in Patients with Chronic Rhinosinusitis and Fungus Ball of the Paranasal Sinuses**
Lee M. Bauter, BS, Syracuse, NY; Mark A. Arnold, MD, Syracuse, NY; Mitchell R. Gore, MD PhD, Syracuse, NY
3. **Nasal Cavity Mass as First Manifestation of Metastatic Breast Cancer**
Andrey Filimonov, MD PharmD, New York City, NY; Katherine Liu, BA, New York, NY; Sen Ninan, BA, New York City, NY; Todd Spock, MD, New York City, NY; Madeleine Schaberg, MD, New York, NY
4. **Endoscopic Extrasellar Skull Base Reconstruction Using Bioabsorbable Plates**
Mckay J. Moline, MD, Iowa City, IA; Scott C. Seaman, MD, Iowa City, IA; Jeremy D. Greenlee, MD, Iowa City, IA; Scott M. Graham, MD, Iowa City, IA
5. **Survival Outcomes in Gross Total Resection versus Subtotal Resection of Skull Base and Clival Chordoma**
Ethan G. Muhonen, MD, Irvine, CA; Tyler Yasaka, BS, Irvine, CA; Khodayar Goshtasbi, BS, Irvine, CA; Brandon M. Lehrich, BS, Irvine, CA; Ronald Sahyouni, PhD, Irvine, CA; Edward C. Kuan, MD MBA, Irvine, CA
6. **Sinonasal Large Cell Neuroendocrine Carcinoma: Case Report and Literature Review**
Nathaniel H. Reeve, MD, Las Vegas, NV; Albert Yang, MD, Las Vegas, NV; Ikenna M. Obilor, BS, Las Vegas, NV; Robert C.Y. Wang, MD, Las Vegas, NV
7. **Barotraumatic Sneeze Causing Cavernous Sinus Syndrome: A Case Report**
Zaahir A. Turfe, MD, Detroit, MI; Nancy A. Saleh, BS, East Lansing, MI; John R. Craig, MD, Detroit, MI
8. **The Impact of Surgical Cryoablation on Symptoms and Quality of Life in Patients with Chronic Rhinitis**
Farrukh R. Virani, MD, Sacramento, CA; Amarbir S. Gill, MD, Sacramento, CA; Angela M. Beliveau, MPH CTRP, Sacramento, CA; Toby O. Steele, MD, Sacramento, CA
9. **Synergism of Upper Respiratory Allergy and Infection**
Claire S. Wilson, Rockville, MD; Michael S. Morris, MD, Rockville, MD

Facial Plastic & Reconstructive

10. **The Use Custom Polyetherketoneketone (PEKK) Implants in the Reconstruction of Traumatic Midface Defects**
Amishav Y. Bresler, MD, Newark, NJ; Paul Langer, MD, Newark, NJ; Boris Paskhover, MD, Newark, NJ
11. **Facial Feminization Surgery Results in Improved Self-Perceived Quality of Life Based on a Standardized Patient Survey**
David W. Chou, MD, Oakland, CA; Nizar Tejani, MD, Shreveport, LA; Charles W. Shih, MD, Oakland, CA; Andrew J. Kleinberger, MD, Walnut Creek, CA

12. **Interest and Trends in Facial Plastic Surgery Procedures: A Ten Year Analysis**
Lindsey K. Goyal, MD, Pittsburgh, PA; Parul Goyal, MD MBA, Syracuse, NY
13. **A Novel Low Cost Design for Point of View Ultra High Definition Intraoperative Videography**
Amir A. Hakimi, BS, Irvine, CA; Karthik R. Prasad, BS, Irvine, CA; Edward J. Chang, BS, Irvine, CA; Lauren T. Standiford, Irvine, CA; Brian J.F. Wong, MD PhD, Irvine, CA
14. **Optimizing Late Craniosynostosis Reconstruction with Virtual Surgical Planning**
Jennifer L. Harb, MD, Boston, MA; Andrew R. Scott, MD, Boston, MA
15. **Effects of Keloid Exosomes on Normal Fibroblast Migration**
Joanna Kam, MD, Detroit, MI; Edward Walton, MD, Detroit, MI; Xiang Guo Dai, PhD, Detroit, MI; Kevin R. Bobbitt, PhD, Detroit, MI; Lamont R. Jones, MD PhD, Detroit, MI
16. **Impact of Virtual Surgical Planning on Margin Status in Cases of Mandibular Reconstruction**
Nayel I. Khan, MD, Pittsburgh, PA; Dorothy W. Bird, MD MS, Camden, NJ; Erin E. Anstadt, MD, Pittsburgh, PA; Irene T. Ma, MD, Pittsburgh, PA; Seungwon Kim, MD, Pittsburgh, PA; Mario G. Solari, MD, Pittsburgh, PA
17. **The Effect of Serial Alar Base Reduction on Nostril Size in a Cadaveric Model**
Jee-Hong Kim, MD, Los Angeles, CA; Oliver Gantz, MD, Los Angeles, CA; Tymon Tai, MD, Los Angeles, CA; Amy K. Hsu, MD, Los Angeles, CA; Alexander Markarian, MD, Los Angeles, CA
18. **Postoperative Opioid Use in Rhinoplasty Procedures a Standardized Regimen**
Ryan V. Marshall, MD, Birmingham, AL; Nick J. Rivers, BA, Birmingham, AL; Sudhair M. Manickavel, MD, Birmingham, AL; Artemus J. Cox, MD, Birmingham, AL
19. **The Spiral Flap: A Novel Approach to Vertex Scalp Closure in a Toddler**
Nicole C. Mastacouris, MS, Boston, MA; Rebecca A. Compton, MD, Boston, MA; Andrew R. Scott, MD, Boston, MA
20. **Pediatric Mandible Fractures: Characteristics and Treatment Stratified by Age**
Megan V. Morisada, MD, Sacramento, CA; Mena Said, MD, San Diego, CA; Tsung Yen Hsieh, MD, Minneapolis, MN; Jamie L. Funamura, MD MPH, Sacramento, CA; Travis T. Tollefson, MD MPH, Sacramento, CA
21. **Virtual Surgical Planning in the Management of Mandibular Intraosseous Mucoepidermoid Carcinoma**
Emily S. Pascal, BA, Boston, MA; Steven B. Micucci, MD, Oakland, CA; Deepak Gurushanthaiah, MD, Oakland, CA; Brian P. Fong, MD, Oakland, CA; William B. Williams, MD, Oakland, CA
22. **Predictive Modeling of Free Flap Volume Loss in Head and Neck Reconstruction in Patients Receiving Adjuvant Radiation**
Christopher R. Razavi, MD, Baltimore, MD; Jason M. Hostetter, MD, Baltimore, MD; Aishwarya Shukla, MPH, Baltimore, MD; Zhi Cheng, MD, Baltimore, MD; Harry Quon, MD, Baltimore, MD; Shaun C. Desai, MD, Baltimore, MD
23. **Assessment of Facial Injury by "Slock" in Incarcerated Patients**
Charles D. Rees, BS, Shreveport, LA; Adam J. Blancher, MD, Shreveport, LA; Tara N. Moore-Medlin, BS, Shreveport, LA; Cherie-Ann O. Nathan, MD FACS, Shreveport, LA

24. **Ability to Identify External Ear Deformities Based on Year and Specialty of Medical Training**
 Kaylee B. Schrader, BS, Lubbock, TX; Joshua C. Demke, MD, Lubbock, TX;
 Rahul M. Varman, MD, Lubbock, TX; Callie L. Fort, MS, Lubbock, TX; Hannah A. Daniel, MBA,
 Lubbock, TX
25. **Trends in Maxillofacial Trauma: A 17 Year Study at a Level 1 Trauma Center in a Large Urban Setting**
 Peiyi Su, MD, Los Angeles, CA; Christian Paquet, MD, Phoenix, AZ; Karla O'Dell, MD, Los
 Angeles, CA; Niels C. Kokot, MD, Los Angeles, CA; Tamara B. Chambers, MD, Los Angeles, CA;
 Amit Kochhar, MD, Los Angeles, CA
26. **Extended Abbe and Estlander Flaps for Reconstruction of Complex Lip and Cheek Defects**
 James C. Wang, MD PhD, Cincinnati, OH; Eshita Singh, BS, Cincinnati, OH; Ryan M. Collar, MD
 MBA, Cincinnati, OH
27. **Review of Literature of Saddle Nose Deformity Autogenous Reconstruction and Presentation of a New Method: Vomer Onlay Graft**
 Rachel E. Weitzman, MS, Boston, MA; Shekhar K. Gadkaree, MD, Boston, MA;
 Jennifer C. Fuller, MD, Boston, MA; Natalie Justicz, MD, Boston, MA; Richard E. Gliklich, MD,
 Boston, MA

General

28. **Medical Malpractice in Idiopathic Intracranial Hypertension: A Review of the United States Legal Databases**
 Mehdi Abouzari, MD PhD, Irvine, CA; Tyler Yasaka, BS, Irvine, CA; Erica M. Parker, BS, Irvine, CA;
 Khodayar Goshtasbi, BS, Irvine, CA; Catherine Merna, MD, Irvine, CA; Hamid R. Djalilian, MD,
 Irvine, CA
29. **Do Online Patient Ratings Correlate with Surgical Outcomes among Otolaryngologists?**
 Jay Agarwal, MD, New York, NY; Enrique Gorbea, MD, New York, NY (Presenter); David
 Goldrich, BS, New York, NY; Roshan U. Nayak, BS, New York, NY; Jay Gandhi, BS, New
 York, NY; Alfred M. Iloreta, MD, New York, NY
30. **Epidemiology of Gunshot Injuries to the Head and Neck**
 Richard D. Bavier, BA, Newark, NJ; Roman Povolotskiy, BA, Newark, NJ;
 Dominick V. Congiusta, MPH, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard Chan Woo
 Park, MD, Newark, NJ
31. **Examining the Medical Student Otolaryngology Experience: Limited Understanding and the Lack of Early Exposure**
 Yi Cai, MD, San Francisco, CA; Rahul K. Sharma, BS, New York, NY (Presenter);
 Alexandria L. Irace, BA, New York, NY; Kyle B. Zuniga, BS, New York, NY; David A. Gudis, MD,
 New York, NY
32. **Risk Factors for Electromyographic Endotracheal Tube Migration during Recurrent Laryngeal Nerve Monitoring**
 Betty Y. Chen, MD, Springfield, IL; Eric A. Boakye, PhD, Springfield, IL; Pardis Javadi, MD,
 Springfield, IL; Dana L. Crosby, MD, Springfield, IL; Arun Sharma, MD, Springfield, IL
33. **Training Master Surgeons in a Virtual Environment -- A Systematic Review**
 Aaron J. Done, PhD, Tucson, AZ; Eugene H. Chang, MD, Tucson, AZ

- 34. Surgical Tray Optimization as a Simple Means of Reducing Perioperative Costs: A Quality Improvement Initiative**
Terence S. Fu, MD MBA, Toronto, ON Canada; Haytham Msallak, BSc, Toronto, ON Canada; Amirpouyan Namavarian, BMS, Toronto, ON Canada; Eric Monteiro, MD MSc, Toronto, ON Canada; Antoine Eskander, MD MSc, Toronto, ON Canada
- 35. National Trends in Daily Ambulatory Electronic Health Record Use by Otolaryngologists**
John Paul Giliberto, MD, Seattle, WA; Thomas L. Carroll, MD, Boston, MA; Teresa V. Chan, MD, Dallas, TX; Andrew M. Vahabzadeh-Hagh, MD, San Diego, CA
- 36. The Impact of Surgeon Volume on Thyroidectomy Outcomes among Otolaryngologists**
Enrique Gorbea, MD, New York, NY; David Goldrich, BS, New York, NY; Jay Agarwal, MD, New York, NY; Roshan U. Nayak, BS, New York, NY; Alfred M. Illoreta, MD, New York, NY
- 37. Postural Orthostatic Tachycardia Syndrome with Baroreceptor Glossopharyngeal Dysautonomia from Cervical Fusion**
Camille M. Huwyler, MD, Oakland, CA; Christopher G. Tang, MD, San Francisco, CA
- 38. The Use of Text Messaging for Telecommunications with Patients in Otolaryngology: A Narrative Review**
Syed Z. Kaleem, BS, Philadelphia, PA; Sammy Othman, BA, Philadelphia, PA; Brian J. McKinnon, MD MBA MPH, Philadelphia, PA
- 39. Iodide Induced Sialadenitis of the Sublingual Glands**
Christine M. Kim, MD, Los Angeles, CA; Albert Y. Han, MD, Los Angeles, CA; Kenric Tam, MD, Los Angeles, CA; Dinesh K. Chhetri, MD, Los Angeles, CA
- 40. Disparities in Access to Otolaryngologic Care Using Multilayered Granular Geocoding Analysis**
Neil S. Kondamuri, BA, Providence, RI; Rory J. Lubner, BS, Providence, RI; Vinay K. Rathi, MD, Boston, MA; Aaron K. Remenschneider, MD MPH, Boston, MA; Elliott D. Kozin, MD, Boston, MA
- 41. Head over Wheels: Traumatic Head and Neck Injuries Secondary to Mountain Biking**
Rijul S. Kshirsagar, MD, Oakland, CA; Chris Xiao, MD, Oakland, CA; Srikanth Krishnan, MD, Los Angeles, CA; Ashton Christian, MD, Irvine, CA; Kevin P. Labadie, MD, Seattle, WA; Jonathan Liang, MD, Oakland, CA
- 42. Operating under the Influence: Caffeine Intake and the Effect on Microsurgical Performance**
David R. Lee, MD, Cincinnati, OH; Nathan D. Wiebracht, MD, Fort Thomas, KY; Scott B. Shapiro, MD, Cincinnati, OH; James C. Wang, MD PhD, Cincinnati, OH; Charles M. Myer IV, MD, Cincinnati, OH
- 43. Safety of Outpatient Parotidectomy in Elderly Populations**
Valerie L. Lim, MBS, Newark, NJ; Rose S. Maisner, BS, Newark, NJ; Chris B. Choi, BS, Newark, NJ; Soly S. Baredes, MD FACS, Newark, NJ; Richard C. Park, MD FACS, Newark, NJ
- 44. 2C and 2T: Exploring Subpopulations of Upper Airway Obstruction at the Velum and Oropharynx on DISE in Adult OSA Patients**
Martha E. Luitje, MD, Rochester, NY; Stephanie J. Wong, MD, Rochester, NY; Sveta Karelsky, MD, Rochester, NY
- 45. The Longitudinal Boot Camp: Needs Assessment and Pilot of Novel Otolaryngology Residency Curriculum**
Scott E. Mann, MD, Aurora, CO; Farshad N. Chowdhury, MD, Aurora, CO; Anne E. Getz, MD, Aurora, CO; Cristina E. Cabrera-Muffly, MD, Aurora, CO

46. **Peri-Interview Communication in the Otolaryngology Match: The Applicant Perspective**
Maria C. Masciello, MS, Washington, DC; Sonya Malekzadeh, MD FACS, Washington, DC
47. **Changes in OSA Pathophysiology over the Age Spectrum**
Peter G. Nagy, BS, Memphis, TN; Tyler M. Bone, MD, Memphis, TN; Marion B. Gillespie, MD, Memphis, TN
48. **The Effect of Topical Nasal Treatment on Obstructive Sleep Apnea Severity: A Systematic Review and Meta-Analysis**
Dang-Khoa Nguyen, MS, Orlando, FL; Jonathan Liang, MD, Oakland, CA; Megan L. Durr, MD, Oakland, CA
49. **Atypical Mycobacterium Infection after Deoxycholic Acid Injectable Treatment**
Emily S. Nguyen, BS, Irvine, CA; Catherine M. Merna, MD, Irvine, CA; Tjason Tjoa, MD, Irvine, CA
50. **Immediate Postoperative Outcomes of Tracheostomy in Adults and Children and Its Implications for a Quality Initiative**
Prayag S. Patel, MD, Brooklyn, NY; Samantha G. Hinds, BA, Brooklyn, NY; Jin Kyun Oh, BA, Brooklyn, NY; Ann W. Plum, MD, Brooklyn, NY; Sydney C. Butts, MD FACS, Brooklyn, NY
51. **Midline Destructive Nasal Lesion in a Patient with Melkersson-Rosenthal Syndrome**
Tejasvi Peesay, MSc, Washington, DC; Caroline C. Rieger, MD, Washington, DC; Jessica H. Maxwell, MD MPH, Washington, DC
52. **Impact of a Specialty Trained Billing Team on Efficiency, Revenue, and Physician Satisfaction in an Academic Otolaryngology Practice**
Andrea M. Plawecki, MD, Detroit, MI; Michael C. Singer, MD, Detroit, MI; Edward L. Peterson, PhD, Detroit, MI; Kathleen L. Yaremchuk, MD, Detroit, MI; Robert H. Deeb, MD, Detroit, MI
53. **Snapshot of Public Academic Otolaryngology Compensation, What Does the Database Tell Us?**
Karthik R. Prasad, BS, Irvine, CA; Edward J. Chang, BS, Irvine, CA; Lauren T. Standiford, BS, Irvine, CA; William B. Armstrong, MD, Irvine, CA; Brian J.F. Wong, MD PhD, Irvine, CA
54. **A Team Based Learning Approach to General Otolaryngology in Undergraduate Medical Education**
Fatemeh Ramazani, MD, Edmonton, AB Canada; Jill Querney, MD, Edmonton, AB Canada; Caroline C. Jeffery, MD, Edmonton, AB Canada; David W.J. Côté, MD, Edmonton, AB Canada
55. **ERAS Protocol Does not Affect PACU Stay**
Michele H. Schewe, BA, New York, NY; Matthew H. Kim, MD, New York, NY; David G. Stein, MD, New York, NY; Ashutosh Kacker, MBBS MD, New York, NY
56. **Efficacy Evaluation of Wellness Program for Reducing Resident Burnout**
Jamie A. Schlacter, Los Angeles, CA; Tamara N. Chambers, MD, Los Angeles, CA; Lia K. Jacobson, MD, Los Angeles, CA; Niels C. Kokot, MD, Los Angeles, CA; Michael M. Johns, MD, Los Angeles, CA
57. **Not Again: Consecutive Cases of Pseudocholinesterase Deficiency Presenting as Failure of Nerve Monitoring During Thyroid and Parathyroid Surgery**
Haley C. Sibley, MD, Detroit, MI; Ayaka J. Iwata, MD MS, Detroit, MI; Michael C. Singer, MD, Detroit, MI

- 58. What Do Otolaryngology Residency Applicants Want? Results from a Survey of Applicant Perspectives on Rotations, Interviews and Rank List Decisions**
 Brian P. Swendseid, MD, Philadelphia, PA; Richard A. Goldman, MD, Philadelphia, PA;
 Colin T. Huntley, MD, Philadelphia, PA; Maurits S. Boon, MD, Philadelphia, PA
- 59. Creation and Initial Experience with a Hospital Wide Tracheostomy Care Team**
 William S. Tierney, MD MS, Cleveland Heights, OH; Catherine Skowronsky, CMSRN,
 Cleveland, OH; Amy Calhoun-Rosneck, MA CCC-SLP, Cleveland, OH; Emily S. Zhang, BS,
 Cleveland, OH; Paul C. Bryson, MD, Cleveland, OH; Brandon Hopkins, MD, Cleveland, OH
- 60. The Hearing of Erastus Deaf Smith, Hero of the Texas Revolution**
 Norman Wendell Todd, MD MPH, Atlanta, GA; Steve D. Beck, MEEng, Austin, TX
- 61. Cannabis and ENT: State Certification**
 William L. Valentino, MD MS, Philadelphia, PA; Brian J. McKinnon, MD MBA MPH FACS,
 Philadelphia, PA
- 62. Educational Quality of Thyroidectomy YouTube Videos**
 Daniel B. Vinh, MD, Houston, TX; Amy L. Dimachkieh, MD, Houston, TX; Daniel C. Chelius, MD,
 Houston, TX; Nelson E. Liou, MD, Houston, TX; Elton M. Lambert, MD, Houston, TX
- 63. Adoption of Telemedicine and Telehealth in Otolaryngology: What Are the Barriers?**
 James C. Wang, MD PhD, Cincinnati, OH; Madison V. Epperson, BA, Cincinnati, OH;
 Charles R. Doarn, MBA, Cincinnati, OH; Mekabib Altaye, PhD, Cincinnati, OH;
 Meredith E. Tabangin, MPH, Cincinnati, OH; Yash J. Patil, MD MPH, Cincinnati, OH
- 64. Do You Hear What I See: A 10 Year Analysis of Pediatric Ear Foreign Bodies**
 Christopher C. Xiao, MD, Oakland, CA; Rijul S. Kshirsagar, MD, Oakland, CA; Alexander
 Rivero, MD, Oakland, CA
- 65. Morbidity, Mortality, and Improvement Conference: A Springboard for Quality Improvement**
 Sonia N. Yuen, MD, Cincinnati, OH; Andrew J. Redmann, MD, Cincinnati, OH;
 Catherine K. Hart, MD MS, Cincinnati, OH; Ryan M. Collar, MD MBA, Cincinnati, OH

Head & Neck

- 66. Needlestick Injuries in Otolaryngology Residency**
 Emily N. Ahadizadeh, MD, Portland, OR; Lourdes Quintanilla-Dieck, MD, Portland, OR;
 Mark K. Wax, MD, Portland, OR
- 67. A Novel High Risk HPV Detection Panel for the Minimally Invasive Diagnosis of Oropharyngeal Squamous Cell Carcinoma**
 Abdulrahman F. Alenazi, MD MSc, Edmonton, AB Canada; Morris A. Kostiuk, PhD,
 Edmonton, AB Canada; Daniel A. O'Connell, MD MSc, Edmonton, AB Canada;
 Jeffrey R. Harris, MD MPH, Edmonton, AB Canada; Hadi R. Seikaly, MD, Edmonton, AB Canada;
 Vincent L. Biron, MD PhD, Edmonton, AB Canada
- 68. Transoral Robotic Surgery (TORS) in the Treatment of Oropharyngeal Carcinomas of Unknown Primary**
 Kareem M. Al-Mulki, BA, Atlanta, GA; Annie N. Farrell, MD, Atlanta, GA; James M. Hamilton, MD,
 Atlanta, GA; Mark W. El-Deiry, MD, Atlanta, GA; Jonathan J. Beitler, MD, Atlanta, GA;
 Mihir R. Patel, MD, Atlanta, GA

69. **Comparison of Perceived Swallow Impairment to Quantitative Videofluoroscopic Swallow Measurements in Head and Neck Cancer**
Michael Armaneous, BS, La Jolla, CA; Liza S. Blumenfeld, MA CCC-SLP BCS-S, La Jolla, CA; Kayva L. Crawford, MD, La Jolla, CA; Kristen E. Linnemeyer, MA CCC-SLP, La Jolla, CA; Julie M. Bykowski, MD, La Jolla, CA; Andrew M. Vahabzadeh-Hagh, MD, La Jolla, CA
70. **Natural History of Thyroglobulin after Hemithyroidectomy for Well Differentiated Thyroid Cancer**
Alana N. Aylward, MD, Salt Lake City, UT; Brent J. Geffen, MD, Salt Lake City, UT; Olivia A. Do, BS, Seattle, WA; Devaprabu D. Abraham, MD, Salt Lake City, UT; Marcus M. Monroe, MD, Salt Lake City, UT
71. **Minimum Fascia Tumor Distance for Selection of Extracapsular Dissection for Benign Parotid Tumors**
Christopher D. Badger, MD, Washington, DC; Joseph F. Goodman, MD, Washington, DC; Punam G. Thakkar, MD, Washington, DC; Arjun S. Joshi, MD, Washington, DC
72. **Predictive Value of Comorbidity Measures in Laryngeal Cancer Resection**
Richard D. Bavier, BA, Newark, NJ; Gregory Barinsky, BA, Newark, NJ; Joanna Kim, BS, Sacramento, CA; Soly Baredes, MD, Newark, NJ; Rachel Kaye, MD, Newark, NJ
73. **Eccrine Porocarcinoma of the Head and Neck: A Rare Skin Cancer**
Sara Behbahani, MS, Newark, NJ; Roman Povolotskiy, BA, Newark, NJ; Salma Ahsanuddin, BBA BS, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard Chan Woo Park, MD, Newark, NJ
74. **Insurance Status as a Predictor of Treatment Modality in Human Papillomavirus Positive Oropharyngeal Cancer**
Michael H. Berger, MD, Irvine, CA; Tyler Yasaka, BS, Irvine, CA; Yarah M. Haidar, MD, Irvine, CA; Edward C. Kuan, MD MBA, Irvine, CA; Tjason Tjoa, MD, Irvine, CA
75. **Clival Osteomyelitis with Prevertebral Abscess Presenting as a Nasopharyngeal Mass**
Lindsay C. Boven, MD, Shreveport, LA; Shehanez K. Ellika, MD, Shreveport, LA; Cherie-Ann O. Nathan, MD, Shreveport, LA
76. **Meeting Quality Metrics in the Surgical Treatment of Head and Neck Cancer: How Well Are We Doing?**
Floyd M. Buen, MD, Los Angeles, CA; Floyd M. Buen, MD, Los Angeles, CA; Eden R. Brauer, PHD, Los Angeles, CA; Patricia A. Ganz, MD, Los Angeles, CA
77. **Pedicled Buccal Fat Pad for Early Reconstruction after Transoral Radical Tonsillectomy**
Yew Song Cheng, MD, New York, NY; Stephanie Teng, MD, New York, NY; Gady Har-El, MD, New York, NY
78. **Treatment Specific Survival Outcomes in Advanced Oropharyngeal Squamous Cell Carcinoma Comparing Smoking Status, p16 and Ki67 Expression**
Dustin J. Conrad, MD MSc, Edmonton, AB Canada; Morris A. Kostiuk, PhD, Edmonton, AB Canada; Jeffrey R. Harris, MD MHA, Edmonton, AB Canada; Daniel A. O'Connell, MD MSc, Edmonton, AB Canada; Hadi R. Seikaly, MD, Edmonton, AB Canada; Vincent L. Biron, MD PhD, Edmonton, AB Canada
79. **BRCA2 Mutation and Hypopharyngeal Squamous Cell Carcinoma**
Tatiana Correa, MD MPH, Iowa City, IA; Henry T. Hoffman, MD, Iowa City, IA
80. **Development of an Operative Competency Instrument for Select Neck Dissection**
Eric M. Dowling, MD, Rochester, MN; David P. Larson, MD, Rochester, MN; Matthew L. Carlson, MD, Rochester, MN; Dan L. Price, MD, Rochester, MN

81. **Impact of Sciatic Nerve Block on Postoperative Opioid Consumption in Head and Neck Cancer Patients following Fibula Free Flap Reconstruction**
Scott N. Fassas, MS, Washington, DC; Muhammed F. Shand, BS, Washington, DC;
Collin F. Mulcahy, MD, Washington, DC; Adam T. Greenwood, MD, Washington, DC;
Rachel G. Lubran, RN, Washington, DC; Punam G. Thakkar, MD, Washington, DC
82. **Duplicated Facial Nerve Trunk: Case Series and Review of the Literature**
Juliette O. Flam, MD, New Hyde Park, NY; Lucio M. Pereira, MD, New Hyde Park, NY
83. **Can Positron Emission Tomography with Computed Tomography (PET/CT) Accurately Predict AJCC 8th Edition Pathologic Staging in Surgically Treated Patients with Human Papilloma Virus Associated (HPV +) Oropharyngeal Squamous Cell Carcinoma (OPSCC)?**
Lindsey K. Goyal, MD, Pittsburgh, PA; Tanya J. Rath, MD, Phoenix, AZ; Barton F. Branstetter, MD, Pittsburgh, PA; William E. Gooding, MS, Pittsburgh, PA; Umamaheswar Duvvuri, MD PhD, Pittsburgh, PA; Shaum S. Sridharan, MD, Pittsburgh, PA
84. **The Rising Incidence of the Rare and Aggressive Sinonasal Melanoma**
Avigeet Gupta, BS, Charleston, SC; Sina Koochakzadeh, BS, Charleston, SC;
Shaun A. Nguyen, MD MA, Charleston, SC; Eric J. Lentsch, MD, Charleston, SC;
David M. Neskey, MD MSCR, Charleston, SC
85. **Synovitis Acne Pustulosis Hyperostosis Osteitis (SAPHO) Syndrome Presenting as an Expansile Neck Mass**
Asad A. Haider, BA, Houston, TX; Nathan R. Lindquist, MD BS, Houston, TX;
Ann M. Gillenwater, MD, Houston, TX
86. **Is Lobectomy Sufficient for Multifocal Papillary Thyroid Microcarcinoma?**
Albert Y. Han, MD PhD, Los Angeles, CA; Ki Wan Park, BS, Los Angeles, CA;
Christine M. Kim, MD, Los Angeles, CA; Edward C. Kuan, MD MBA, Irvine, CA;
Marilene B. Wang, MD, Los Angeles, CA; Chau T. Nguyen, MD, Los Angeles, CA
87. **The Relationship between Glycogen Storage Disease and Laryngeal Cancer**
Tania Hassanzadeh, MD, Boston, MA; Rebecca A. Compton, MD, Boston, MA;
Richard O. Wein, MD, Boston, MA
88. **Concentration of High Cost Head and Neck Cancer Surgical Patients**
Matthew E. Herberg, MD, Baltimore, MD; Peter S. Vosler, MD PhD, Baltimore, MD; Rajarsi Mandal, MD, Baltimore, MD; Carole Fakhry, MD MPH, Baltimore, MD; David W. Eisele, MD, Baltimore, MD; Christine G. Gourin, MD MPH, Baltimore, MD
89. **Determining Neck Lymph Node Level Patterns in Different Subtypes of Head and Neck Cancer**
Brianna C. Hope, MS3, Lubbock, TX; Rahul Varman, MD, Lubbock, TX; Hannah Daniel, BS, Lubbock, TX; Neil Jain, MS1, Lubbock, TX; Tam Nguyen, MD, Lubbock, TX
90. **Change in Parathyroid Hormone Levels from Baseline Predicts Postoperative Hypocalcemia following Total or Completion Thyroidectomy**
Caitlin B. Iorio, MD, Charlottesville, VA; William M. Swift, BS, Charlottesville, VA;
Nolan A. Wages, PhD, Charlottesville, VA; Indika V. Mallawaarachchi, MS, Charlottesville, VA;
David C. Shonka, MD, Charlottesville, VA
91. **Prevention of Unplanned Pharyngocutaneous Fistula in Salvage Laryngectomy: Fistula Formula Update**
Rachel T. Irizarry, MD, Brooklyn, NY; Daniel C. Sukato, MD, Brooklyn, NY; Krishnamurthi Sundaram, MD, Brooklyn, NY

- 92. Sarcopenia Is Associated with Increased Blood Transfusions in Oncologic Head and Neck Free Flap Reconstruction**
Alexander J. Jones, MD, Indianapolis, IN; Mohamedkazim K. Alwani, MD, Indianapolis, IN; Leah J. Novinger, MD PhD, Indianapolis, IN; Andrea F. Bonetto, PhD, Indianapolis, IN; Michael G. Moore, MD, Indianapolis, IN; Avinash V. Mantravadi, MD, Indianapolis, IN
- 93. A Retrospective Review of the Effects of Parathyroidectomy on Essential Hypertension**
Mia Jusufbegovic, MD, Louisville, KY; Shawn C. Jones, MS, Louisville, KY; Elizabeth D. Cash, PhD, Louisville, KY; Amy R. Quillo, MD, Louisville, KY; Michael B. Flynn, MD, Louisville, KY; Jeffrey M. Bumpous, MD, Louisville, KY
- 94. Prophylactic versus Reactive Feeding Tube Placement for Squamous Cell Carcinoma of the Head and Neck**
Derek D. Kao, BS, New York, NY; Rocco M. Ferrandino, MD MSCR, New York, NY; Susan E. Bates, MD, New York, NY; Yeun-Hee A. Park, MD, Bronx, NY; Joshua M. Bauml, MD, Philadelphia, PA; Keith M. Sigel, MD PhD, New York, NY
- 95. A Case of Mammary Analogue Secretory Carcinoma of the Submandibular Gland with Negative Mammaglobin Staining**
Alexander D. Karabachev, BS, Burlington, VT; Ricardo M. Aulet, MD, Burlington, VT; Allison L. Ciolino, MD, Burlington, VT; Mirabelle B. Sajisevi, MD, Burlington, VT
- 96. Outcomes in Patients with and without Intraoperative PTH in the Setting of Co-Localizing Studies for Primary Hyperparathyroidism**
Alexander D. Karabachev, BS, Burlington, VT; Ricardo M. Aulet, MD, Burlington, VT; William J. Brundage, MD, Burlington, VT; Damon A. Silverman, MD, Burlington, VT; Mirabelle B. Sajisevi, MD, Burlington, VT
- 97. Core Needle Biopsy of Head and Neck Lesions: High Rates of Efficacy and Safety at a Single Institution**
Paul A. Lambert, MD, Rochester, NY; Alexander T. Kessler, MD, Buffalo, NY; Matthew C. Miller, MD, Rochester, NY
- 98. Readability of Patient Reported Outcome Measures for Head and Neck Oncology**
Saangyoung E. Lee, BS, Chapel Hill, NC; Zainab Farzal, MD MPH, Chapel Hill, NC; Charles S. Ebert Jr., MD MPH, Chapel Hill, NC; Adam M. Zanation, MD, Chapel Hill, NC
- 99. Anatomical Subsite Is Associated with Altered Immune Tumor Microenvironments in HPV Negative Head and Neck Cancer**
Christopher A. Maroun, MD, Baltimore, MD; Gangcai Zhu, MD PhD, Baltimore, MD; Margueritta El Asmar, MD, Baltimore, MD; Christine G. Gourin, MD MPH, Baltimore, MD; Peter S. Vosler, MD PhD, Baltimore, MD; Rajarsi Mandal, MD, Baltimore, MD
- 100. The Prognostic Implications of Viral DNA Degradation Pathways in HPV Positive Head and Neck Cancer**
Christopher A. Maroun, MD, Baltimore, MD; Margueritta El Asmar, MD, Baltimore, MD; Carole Fakhry, MD MPH, Baltimore, MD; Christine G. Gourin, MD MPH, Baltimore, MD; Drew M. Pardoll, MD PhD, Baltimore, MD; Rajarsi Mandal, MD, Baltimore, MD
- 101. Successful Resection of a Symptomatic Substernal Goiter Presenting with Superior Vena Cava Syndrome, Necessitating Cardiopulmonary Bypass: Case Report and Review of Literature**
Mathew K. Marsee, MA, South Bend, IN; David J. Isaacson, MD, South Bend, IN; Michael F. Steinberg, MD, South Bend, IN; John M. Arnold, MD, South Bend, IN

102. **Assessing Patient Understanding of the Human Papilloma Virus and Barriers to Vaccination**
Erica E. Mayland, MD, New Orleans, LA; Larissa Sweeny, MD, Baton Rouge, LA
103. **Accelerated Surgical Stay Program for Head and Neck Surgical Oncology Patients**
Hilary C. McCrary, MD MPH, Salt Lake City, UT; Kristin Jeong, MSBA, Salt Lake City, UT;
Marcus M. Monroe, MD, Salt Lake City, UT; Luke O. Buchmann, MD, Salt Lake City, UT;
Jason P. Hunt, MD, Salt Lake City, UT; Richard B. Cannon, MD, Salt Lake City, UT
104. **Blunt Laryngeal Fracture Caused by Falling from Standing and Landing on a Wooden Box: A Case Report**
Sina Mehraban-Far, BSc, Stony Brook, NY; James Alrassi, BA, Stony Brook, NY (Presenter);
Melissa M. Mortensen, MD, Stony Brook, NY
105. **Primary Extranodal Oropharyngeal Lymphoma: Case Report**
Sina Mehraban-Far, BSc, Stony Brook, NY; Robert Hutnik, BSc, Stony Brook, NY; James Alrassi, BA, Stony Brook, NY; Melissa M. Mortensen, MD, Stony Brook, NY
106. **The "Bowtie" Reconstruction Flap: A Unique Solution to Cervical Esophageal Discontinuity Repair**
Joseph B. Meleca, MD, Cleveland, OH; Patrick Tassone, MD, Cleveland, OH; Usman Ahmad, MD, Cleveland, OH; Brandon L. Prendes, MD, Cleveland, OH; Eric Lamarre, MD, Cleveland, OH
107. **Evaluating the Effect of Daily Clinical Pathway Checklists on Outcomes following Head and Neck Free Flap Reconstruction**
Catherine M. Merna, MD, Irvine, CA; Monica S. Trent, BS, Irvine, CA; Tjason Tjoa, MD, Irvine, CA
108. **Dysphagia Severity and Outcomes following Iatrogenic High Vagal Nerve Injury**
Ethan R. Miles, BS, Loma Linda, CA; Brianna K. Crawley, MD, Loma Linda, CA
109. **Sociodemographic Disparities in HPV Negative Head and Neck Cancer**
Erik R. Nakken, BS BA, St. Louis, MO; Smrithi Chidambaram, BS, St. Louis, MO;
Wade L. Thorstad, MD, St. Louis, MO; Jose P. Zevallos, MD MPH, St. Louis, MO;
Angela L. Mazul, PhD MPH, St. Louis, MO
110. **Examining Complication Rates Using Surgeon and Medical Center Volume for Parotidectomies with SPARCS Dataset**
Roshan U. Nayak, BS, New York, NY; Enrique Gorbea, MD, New York, NY; David Y. Goldrich, BA, New York, NY; Jay J. Agarwal, MD, New York, NY; Alfred M.C. Iloreta, MD, New York, NY
111. **Inducing Metabolic Oxidative Stress Leads to Radio-Chemosensitization in Head and Neck Cancer Cells**
Amanda L. Ngouajio, MD, Iowa City, IA; Collin D. Heer, BS, Iowa City, IA; David B. Riffe, MD, Iowa City, IA; Douglas R. Spitz, PhD, Iowa City, IA
112. **Prevalence of Cancer Cachexia in Head and Neck Cancer Patients Undergoing Free Flap Reconstruction**
Leah J. Novinger, MD PhD, Indianapolis, IN; Alexander J. Jones, MD, Indianapolis, IN; Fabrizio Pin, PhD, Indianapolis, IN; Joshua Huot, PhD, Indianapolis, IN; Andrea Bonetto, PhD, Indianapolis, IN; Michael G. Moore, MD, Indianapolis, IN
113. **Patterns of Lymph Node Metastases and Predictors of Occult Nodal Disease in Human Papillomavirus Associated Oropharyngeal Cancer: A National Cancer Database Study**
Edgar Ochoa, BS, San Francisco, CA; Mary Han, BA, San Francisco, CA; Gaelen B. Stanford-Moore, MD, San Francisco, CA; Andrew R. Larson, MD, San Francisco, CA;
Kathryn R. Hoppe, MD, San Francisco, CA; William R. Ryan, MD, San Francisco, CA

- 114. Patient Reported Quality of Life Outcomes for Early Stage Oral Tongue Cancers Treated by Resection with Primary Closure**
Edgar Ochoa, BS, San Francisco, CA; Andrew R. Larson, MD, San Francisco, CA; Ivan H. El-Sayed, MD, San Francisco, CA; Jonathan R. George, MD, San Francisco, CA; Patrick K. Ha, MD, San Francisco, CA; William R. Ryan, MD, San Francisco, CA
- 115. The Effect of Immunosuppression Secondary to Leukemia and Lymphoma on Head and Neck Cutaneous Squamous Cell Carcinoma**
Zachary E. Pflum, MD, Indianapolis, IN; Alhasan N. Elghouche, MD MS, Indianapolis, IN; Cecelia E. Schmalbach, MD MSc FACS, Philadelphia, PA
- 116. Intrathyroidal Parathyroid Carcinoma: A Case Report and Comprehensive Literature Review**
Pranati Pillutla, BS, Lubbock, TX; Cynthia M. Schwartz, MD, Lubbock, TX; Tam Nguyen, MD, Lubbock, TX
- 117. Functional and Quality of Life Outcomes of Total Glossectomy with Laryngeal Preservation and Free Flap Reconstruction**
Justin M. Pyne, MD, Edmonton, AB Canada; Gabriela Constantinescu, MSc PhD, Edmonton, AB Canada; Dan O'Connell, MD MSc FRCSC, Edmonton, AB Canada; Jeffrey Harris, MD MHA FRCSC, Edmonton, AB Canada; Vincent L. Biron, MD PhD FRCSC, Edmonton, AB Canada; Hadi Seikaly, MD FRCSC, Edmonton, AB Canada
- 118. The Variable Direct Cost of Transoral Endoscopic Thyroidectomy Vestibular Approach**
Christopher R. Razavi, MD, Baltimore, MD; Alexander S. Kim, MTM, Baltimore, MD; Mohammad Shaear, MD, Baltimore, MD; Ralph P. Tufano, MD, Baltimore, MD; Jonathon O. Russell, MD, Baltimore, MD
- 119. Application of 2-Octyl Cyanoacrylate (Dermabond) to Prevent Postoperative Salivary Fistula following Head and Neck Microvascular Reconstruction: A Prospective Trial**
Scott Allan Roof, MD, New York City, NY; Enrique Perez, MD, New York, NY; Rocco M. Ferrandino, MD, New York, NY; Marita S. Teng, MD, New York, NY; Eric M. Genden, MD, New York, NY; Brett A. Miles, MD, New York, NY
- 120. A Unique Case of Spontaneous Hemorrhage in Advanced Head and Neck Cancer**
Sam D. Schild, MD, Brooklyn, NY; Avanti Verma, MD, New York, NY; Rafael Alexander Ortiz, MD, New York, NY; Jessica Lim, MD, New York, NY
- 121. Assessment of Outcomes of Submental Island Pedicled Flap and Radial Forearm Free Flap in Oral Reconstruction**
Derek W. Scott, AB, Scottsdale, AZ; Jake G. Besch-Stokes, BS, Scottsdale, AZ; Thomas H. Nagel, MD, Phoenix, AZ; Michael J. Marino, MD, Phoenix, AZ
- 122. Frailty, Treatment Related Outcomes, and Costs Associated with Head and Neck Cancer Care in Commercially Insured Patients**
Nicholas R. Scott-Wittenborn, MD, Baltimore, MD; Peter S. Vosler, MD PhD, Baltimore, MD; Rajarsi Mandal, MD, Baltimore, MD; David W. Eisele, MD, Baltimore, MD; Christine G. Gourin, MD, Baltimore, MD
- 123. Impact of Travel Distance on Survival in Oropharyngeal Squamous Cell Carcinoma Patients**
Yash M. Shah, BS, Newark, NJ; Janmejy Hingu, BS, Newark, NJ; Roman Povolotskiy, BA, Newark, NJ; Soly Baredes, MD FACS, Newark, NJ; Richard Chan Woo Park, MD FACS, Newark, NJ
- 124. A 27 Year Old Female with Sclerosing Epithelioid Fibrosarcoma of the Left Maxillary Sinus**
Dhruv S. Shankar, BS, New York, NY; Noel M. Phan, MD, New York, NY; Patrick M. Colley, MD, New York, NY

- 125. Impact of Frailty on Postoperative Morbidity and Mortality among Head and Neck Cancer Patients: A Prospective Cohort Study**
Shanmugappiriya U. Sivarajah, MD, Edmonton, AB Canada; Franco Datillo, MD, Edmonton, AB Canada; Cheryl Mack, MD MA PhD, Edmonton, AB Canada; Caroline Jeffery, MD MPH FRCSC, Edmonton, AB Canada; Daniel Deschler, MD FACS, Boston, MA; Hadi Seikaly, MD MA FRCSC, Edmonton, AB Canada
- 126. Examining the Mechanism of mTOR Inhibition in HPV Negative/P53 Mutant HNSCC Patients**
Patrick T. Spiller, MD, Shreveport, LA; Channing E. Dorr, BS, Shreveport, LA (Presenter); M.D. M. Alam, PhD, Shreveport, LA; Cherie-Ann O. Nathan, MD, Shreveport, LA
- 127. Free Flap Complications and End to Side Microvascular Anastomoses: A Multi-Institutional Study in Head and Neck Surgery**
Matthew J. Stewart, BS, Philadelphia, PA; Ishani Khatiwala, BS, Philadelphia, PA; Farshid Taghizadeh, BS, Portland, OR; Larissa Sweeny, MD, Baton Rouge, LA; Mark K. Wax, MD, Portland, OR; Joseph M. Curry, MD, Philadelphia, PA
- 128. Understanding Treatment Delays in Head and Neck Cancer Patients**
Brooke M. Su, MD MPH, Los Angeles, CA; Maie A. St. John, MD PhD, Los Angeles, CA
- 129. Association of Perioperative Complications with Serum Vitamin D Levels in Major Head and Neck Surgery**
John Symms, MD, Tucson, AZ; Matthew J. Groysman, BS, Tucson, AZ; Sheethal Bearely, MD, Tucson, AZ
- 130. Comparison of Primary and Second Primary Head and Neck Squamous Cell Carcinoma**
Christopher C. Tseng, BS, Newark, NJ; Jeff Gao, BS, Newark, NJ; Gregory L. Barinsky, PharmD, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard C. Park, MD, Newark, NJ
- 131. Primary Clear Cell Carcinoma of the Larynx: A Case Report and Review of the Literature**
Mayand Vakil, MD, Newark, NJ; Tapan Patel, MD, Newark, NJ; Soly Baredes, MD, Newark, NJ; Evelyne Kalyoussef, MD, Newark, NJ
- 132. Outcomes of Primary Radiotherapy with or without Chemotherapy for Advanced Oral Cavity Squamous Cell Carcinoma: A Systematic Review**
Petra Vitova, MD, Memphis, TN; Jordan B. Luttrell, BS, Memphis, TN; Marion B. Gillespie, MD MSc FACS, Memphis, TN; Madhu P. Mamidala, PhD, Memphis, TN; Tyler Speaks, BS, Memphis, TN; David L. Schwartz, MD, Memphis, TN
- 133. End of Life Care Practice Patterns in Head and Neck Cancer**
Neelaysh Vukkadala, MD, Stanford, CA; Touran Fardeen, BS, Stanford, CA; Kavitha Ramchandran, MD, Stanford, CA; Vasu Divi, MD, Stanford, CA
- 134. Nasal Eccrine Ductal Carcinoma: A Case Report**
Jacqueline A. Wulu, MD MS, Boston, MA; Tiffany Voon, BS, Boston, MA; Henna Malik, Boston, MA; Michael P. Platt, MD, Boston, MA; Waleed H. Ezzat, MD, Boston, MA
- 135. Maximal Mandible Preservation Excision Technique of a Pterygoid Space Myofibroma**
Allen H. Young, MD, Las Vegas, NV; Jacob B. Kahane, MD, Las Vegas, NV; Oluwafunmilola T. Okuyemi, MD, Las Vegas, NV; T.J. O-Lee, MD, Las Vegas, NV; Jo-Lawrence Bigcas, MD, Las Vegas, NV
- 136. Pott's Disease Mimicking Thyroid Carcinoma with Spinal Metastasis**
Allen H. Young, MD, Las Vegas, NV; Jacob B. Kahane, MD, Las Vegas, NV; Tina P. Elkins, MD, Las Vegas, NV; Robert C. Wang, MD, Las Vegas, NV

Laryngology/Bronchoesophagology

137. **Tensor Fascia Lata Medialization Thyroplasty: A Novel Technique for Improved Biocompatibility and Durable Voice Outcomes**
Tiffany N. Chao, MD, Philadelphia, PA; Karthik Rajasekaran, MD, Philadelphia, PA; Natasha Mirza, MD, Philadelphia, PA
138. **Association between BMI and Ideal Voltage in Patients Undergoing Upper Airway Stimulation Surgery**
Kelly E. Daniels, BS, Philadelphia, PA; Ramez Philips, MD, Philadelphia, PA; Jena Patel, BS, Philadelphia, PA; Matthew Stewart, BS, Philadelphia, PA; Maurits S. Boon, MD, Philadelphia, PA; Colin T. Huntley, MD, Philadelphia, PA
139. **Acute Airway Compromise after Recombinant Human TSH Administration**
Eric Michael Dowling, MD, Rochester, MN; Jan L. Kasperbauer, MD, Rochester, MN; John C. Morris, MD, Rochester, MN; Semirra L. Bayan, MD, Rochester, MN
140. **The Voice Catastrophization Index Is Associated with the Likelihood of Treatment Success in Voice Patients**
Marshall Ge, MD, Los Angeles, CA; Janet S. Choi, MD, Los Angeles, CA; Edie R. Hapner, PhD, Los Angeles, CA; Lindsay S. Reder, MD, Los Angeles, CA; Karla D. O'Dell, MD, Los Angeles, CA; Michael M. Johns, MD, Los Angeles, CA
141. **Idiopathic Ulcerative Laryngitis: Results from a Survey of Academic Laryngologists**
Celeste S. Kim, BS, Los Angeles, CA; Ido Badash, BA, Los Angeles, CA; William Z. Gao, MD, Los Angeles, CA; Karla O'Dell, MD, Los Angeles, CA; Michael M. Johns III, MD, Los Angeles, CA
142. **Laryngeal Electromyography Guided Vocal Fold Injections with Hyaluronic Acid**
Alice Q. Liu, MD, Vancouver, BC Canada; Amanda C. Hu, MD FRCSC, Vancouver, BC Canada (Presenter); Joel Singer, PhD, Vancouver, BC Canada; Terry Lee, PhD, Vancouver, BC Canada
143. **Methicillin Resistant Staphylococcus Aureus Laryngitis Effectively Treated with Vancomycin: A Case Study**
Amanda L. Lucas, New Orleans, LA; John M. Carter, MD, New Orleans, LA
144. **Pop Goes the Cricoid II: Compliant and Noncompliant Airway Dilatation Balloons**
Kevin A. Moore, MD, Shreveport, LA; Paul M. Weinberger, MD, Shreveport, LA
145. **Thyroid Gland and Strap Muscular Interposition Technique to Protect High Riding Innominate Artery during Tracheotomy**
Bharat Akhanda Panuganti, MD, San Diego, CA; David B. Hom, MD, San Diego, CA; Andrew Vahabzadeh-Hagh, MD, San Diego, CA
146. **Factors Affecting Compliance in Patients Undergoing Upper Airway Stimulator Surgery for Obstructive Sleep Apnea**
Ramez H. Philips, MD, Philadelphia, PA; Kelly E. Daniels, BS, Philadelphia, PA; Jena Patel, BS, Philadelphia, PA; Matthew Stewart, BS, Philadelphia, PA; Maurits S. Boon, MD, Philadelphia, PA; Colin T. Huntley, MD, Philadelphia, PA
147. **Intentional Foreign Body Ingestion: An Unusual Case of Hypopharyngeal Foreign Body not Visualized on CT**
Pranati Pillutla, BS, Lubbock, TX; Nadia Tello, BS MBA, Lubbock, TX; Joshua C. Demke, MD, Lubbock, TX

148. **An Unexpected Diagnosis of Supraglottic Squamous Cell Carcinoma in a Patient with Chronic Dysphagia**
Christopher A. Rayle, MD, Lexington, KY; Alexandra E. Kejner, MD, Lexington, KY;
Mark A. Fritz, MD, Lexington, KY
149. **Endoscopic Airway Surgery Using Supraglottic Jet Ventilation in a Team Based Approach: A Multi-Institutional Analysis of Perioperative Outcomes**
Jennifer P. Rodney, MD, Nashville, TN; Robert J. Morrison, MD, Ann Arbor, MI;
Shaunak N. Amin, BS, Nashville, TN; Margaret B. Mitchell, BA, Nashville, TN; Andrew B. Rees, BS, Nashville, TN; Catherine G. Garrett, MD, Nashville, TN
150. **White Coat Dysphonia: Comparing Office versus Ambulatory VHI10 Patient Reported Outcomes**
Amir Taree, BA, New York, NY; Mingyang Gray, MD MPH, New York, NY; Mark Courey, MD, New York, NY
151. **An Unusual Esophageal Foreign Body Masquerading as Abscess, Removed with Flexible Esophagoscopy**
Joseph F. Toth, Syracuse, NY; Mark A. Arnold, MD, Syracuse, NY; Jason M. Wallen, MD, Syracuse, NY; Jacob S. Feldman, MD, Syracuse, NY
152. **Bilateral Superior Laryngeal Nerve Block for the Treatment of Chronic Cough**
Eve N. Tranchito, BS, Cleveland, OH; William S. Tierney, MD MS, Cleveland, OH;
Paul C. Bryson, MD, Cleveland, OH
153. **Use of a Transnasal Flexible Laryngoscope Tip for Laryngeal Culturing: A Novel In-Office Technique**
Adam S. Vesole, BBA, Iowa City, IA; Henry T. Hoffman, MD, Iowa City, IA
154. **Cervical Esophageal Stenosis: Imaging's Imperfect Prediction of Response to Dilation**
Wayanne Watson, BSM, Loma Linda, CA; Ethan Frank, MD, Loma Linda, CA; Sara Yang, MD, Maywood, IL; Jared C. Inman, MD, Loma Linda, CA; Brianna Crawley, MD, Loma Linda, CA; Priya Krishna, MD, Loma Linda, CA

Otology/Neurotology

155. **Tympanostomy Tube Placement for Pressure Change Induced Vertigo**
Mehdi Abouzari, MD PhD, Irvine, CA; Erica M. Parker, BS, Irvine, CA; Khodayar Goshtasbi, BS, Irvine, CA; Donald Tan, BA, Irvine, CA; Catherine Merna, MD, Irvine, CA; Hamid R. Djalilian, MD, Irvine, CA
156. **Segmentation of the Temporal Bone Anatomy for Patient Specific Virtual Reality Simulation**
Steven A.W. Andersen, MD PhD, Columbus, OH; Kimerly A. Powell, PhD, Columbus, OH; Bradley Hittle, BSc, Columbus, OH; Thomas Kerwin, PhD, Columbus, OH; Don Stredney, MA, Columbus, OH; Gregory J. Wiet, MD, Columbus, OH
157. **A Rare Case of Esophageal Adenocarcinoma Metastasis to the Middle Ear**
Ramya Bharathi, MD, Boston, MA; Emily S. Pascal, BA, Boston, MA; Mihaela Mabiuss, PA-C, Boston, MA; Jonathan S. Sillman, MD, Boston, MA
158. **Blast Injury to the Ear: A Human Otopathologic Study**
Melissa Castillo-Bustamante, MD, Boston, MA; Dhrumi Gandhi, MS, Boston, MA;
Danielle R. Trakimas, MD, Baltimore, MD; Renata M. Knoll, MD, Boston, MA; Elliott D. Kozin, MD, Boston, MA; Aaron K. Remenschneider, MD, Boston, MA

- 159. The Value of Minimizing Postoperative Pain and Numbness in Ear Surgery**
Alexander Chern, MD, New York, NY; Rahul K. Sharma, BS, New York, NY; Justin S. Golub, MD MS, New York, NY
- 160. Hearing Loss Due to Acute Endolymphatic Hydrops after Lumbar Puncture**
Rebecca A. Compton, MD, Boston, MA; Ramya Bharathi, MD, Boston, MA; Andrew R. Scott, MD, Boston, MA
- 161. The Good, the Bad, and the Cerumen Transplant**
Robert G. Hill, BA, Macon, GA; Alexander R. Rivero, MD, Oakland, CA
- 162. Establishing Interrater and Intrarater Reliability of a Novel Chronic Ear Grading System**
Sandra H. Ho, MD, Brooklyn, NY; Daniel P. Ballard, MD, Brooklyn, NY; Matthew H. Hanson, MD, Brooklyn, NY
- 163. Comparison of Endoscopic Assisted Approaches for Auditory Brainstem Implantation in Human and Rhesus Macaque: A Cadaveric Study**
Vivek V. Kanumuri, MD, Boston, MA; Divya A. Chari, MD, Boston, MA; Osama Tarabichi, MD, Boston, MA; Ahad Qureshi, MD, Boston, MA; M. Christian Brown, PhD, Boston, MA; Daniel J. Lee, MD, Boston, MA
- 164. Automated Classification of Otosopic Endoscopic Findings Using Convolutional Neural Networks**
Keonho A. Kong, MD, New Orleans, LA; Michael E. Dunham, MD, New Orleans, LA; Rahul Mehta, MD, Baton Rouge, LA
- 165. Focus Bracketing Photography in Otologic Surgery**
Yoseph A. Kram, MD, Honolulu, HI; Brian S. Chen, MD, Honolulu, HI
- 166. Evaluating Surgical Skills in Mastoidectomy**
Joshua A. Lee, BA, Charleston, SC; Michaela F. Close, BS, Charleston, SC; M. Andrew Rowley, BS, Charleston, SC; Yuan F. Liu, MD, Charleston, SC; Mark S. Costello, MD, Charleston, SC; Ted A. Meyer, MD PhD, Charleston, SC
- 167. Indications for the Middle Cranial Fossa Approach: 10 Year Experience in a Single Institution**
Noga Lipschitz, MD, Cincinnati, OH; Gavriel D. Kohlberg, MD, Seattle, WA; Scott Shapiro, MD, Cincinnati, OH; Joseph T. Breen, MD, Cincinnati, OH; Myles L. Pensak, MD, Cincinnati, OH; Ravi N. Samy, MD, Cincinnati, OH
- 168. Repetitive Head Impacts Result in Hearing Threshold Shifts in Mixed Martial Arts Fighters: A Field Study**
Rory J. Lubner, BS, Boston, MA; Michael K. Boyajian, BA, Providence, RI; Renata M. Knoll, MD, Boston, MA; Steven D. Rauch, MD, Boston, MA; Aaron K. Remenschneider, MD, Boston, MA; Elliott D. Kozin, MD, Boston, MA
- 169. The Effect of Osteopathic Manipulative Treatment on Opioid Use and Hospital Length of Stay after Acoustic Neuroma Surgery**
Amir A. Mohammadzadeh, BS, La Jolla, CA; Omid Moshtaghi, MD, San Diego, CA; Pasha Mehranpour, San Diego, CA; Alice I. Chen, DO, San Diego, CA; Marc S. Schwartz, MD, San Diego, CA; Rick A. Friedman, MD PhD, San Diego, CA
- 170. A Rare Case of Temporal Bone Pneumocephalus Tracking through the Internal Auditory Canal**
Erin N. Mulry, BS, Philadelphia, PA; Wayanne B. Watson, BS, Loma Linda, CA; Adam C. Kaufman, MD PhD, Philadelphia, PA; Steven J. Eliades, MD PhD, Philadelphia, PA

- 171. Temporal Bone Histopathology of Neurofibromatosis Type 2 after Treatment with Bevacizumab**
Yin Ren, MD PhD, Boston, MA; Jennifer T. O'Malley, MD, Boston, MA; Anat Stemmer-Rachamimov, MD, Boston, MA; Michael J. McKenna, MD, Boston, MA; Joseph B. Nadol, MD, Boston, MA; Alicia M. Auesnel, MD, Boston, MA
- 172. Determinants and Distractors in Gauging Surgical Skill in Mastoidectomy**
M. Andrew Rowley, BS, Charleston, SC; Joshua A. Lee, BA, Charleston, SC; Michaela F. Close, BS, Charleston, SC; Yuan F. Liu, MD, Charleston, SC; Mitchell J. Isaac, MD, Charleston, SC; Ted A. Meyer, MD PhD, Charleston, SC
- 173. A Proposed Association between Migraine and Meniere's Disease**
Brooke L. Sarna, BS, Miami, FL; Mehdi Abouzari, MD PhD, Irvine, CA; Khodayar Goshtasbi, BS, Irvine, CA; Harrison W. Lin, MD, Irvine, CA; Hamid R. Djalilian, MD, Irvine, CA
- 174. A Novel Repair Method of Temporal Bone Encephalocele with Cerebrospinal Fluid Leak**
Cynthia M. Schwartz, MD, Lubbock, TX; Pranati Pillutla, BS, Lubbock, TX; Tam Nguyen, MD, Lubbock, TX
- 175. A Novel Triage Protocol Utilizing Machine Learning for Tinnitus Patients**
Kunal R. Shetty, MA, Boston, MA; Kenneth M. Grundfast, MD, Boston, MA
- 176. Isolated Skull Base Metastasis in Early Stage Cervical Cancer: A Case Report and Literature Review**
Kiranya E. Tipirneni, MD, Syracuse, NY; Jason R. Audlin, MD, Syracuse, NY; Susan C. Yanik, MD, Syracuse, NY; Jesse T. Ryan, MD, Syracuse, NY; Charles I. Woods, MD, Syracuse, NY
- 177. Prevalence of Occult Radiographic Cochlear Basal Turn Patency**
Varun V. Varadarajan, MD, Gainesville, FL; Orrin L. Dayton, MD, Gainesville, FL; Reordan O. Dejesus, MD, Gainesville, FL; Patrick J. Antonelli, MD, Gainesville, FL
- 178. Increased Radiosurgery Toxicity Associated with the Treatment of Acoustic Neuroma in Multiple Sclerosis: Case Report**
Katherine P. Wallerius, BS, Washington, DC; Jeffrey H. Kim, MD, Washington, DC
- 179. Hearing Improvement after Resection of Cerebellopontine Angle Tumors: Case Series and Literature Review**
James C. Wang, MD PhD, Cincinnati, OH; Noga Lipschitz, MD, Cincinnati, OH; Sarah Ridge, BS, Cincinnati, OH; Gavriel D. Kohlberg, MD, Seattle, WA; Mario Zuccarello, MD, Cincinnati, OH; Ravi N. Samy, MD, Cincinnati, OH
- 180. Does the Gender of the Tester and Subject Affect Auditory Function in Mice?**
Benjamin Yang, MD, Galveston, TX; Rebecca Aurich, BS, Galveston, TX; Tomoko Makishima, MD PhD, Galveston, TX

Pediatrics

- 181. A Life Threatening Case of Congenital Nasal Glioma**
Nathan I. Ackerman, MD, Detroit, MI; Sheela Madipelli, MD, Clinton Township, MI; Christian E. Keller, MD, Detroit, MI; Ilaaf Darrat, MD, Detroit, MI
- 182. Identifying Adenoidal Hypertrophy Using Drug Induced Sleep Endoscopy versus Cine MRI**
Jenna H. Barengo, BSE, Cincinnati, OH; Michal Trope, MD, Cincinnati, OH; John A. Stafford, MD, Cincinnati, OH; Robert J. Fleck, MD, Cincinnati, OH; Mohamed A. Mahmoud, MD, Cincinnati, OH; Stacey L. Ishman, MD MPH, Cincinnati, OH

- 183. Assessing Racial Disparities in Time to Decannulation among Children with Tracheostomies**
Clarice Brown, MD, Dallas, TX; Jenna Wiles, BS, Dallas, TX; Cynthia Wang, MD, Dallas, TX; Gopi B. Shah, MD MPH, Dallas, TX; Ron B. Mitchell, MD, Dallas, TX; Romaine F. Johnson, MD MPH, Dallas, TX
- 184. Safety and Efficacy of Adenotonsillectomy for Obstructive Sleep Apnea in Children and Young Adults with Prader-Willi Syndrome: A Systematic Review**
Anna Christina Clements, BS, Baltimore, MD; Jonathan M. Walsh, MD, Baltimore, MD; Xi Dai, BA, Baltimore, MD; Stella M. Seal, MLS, Baltimore, MD; Marisa A. Ryan, MD MPH, Baltimore, MD
- 185. Cranial Venous Thrombosis Secondary to Pediatric Otolaryngologic Infection**
Margaret I. Engelhardt, MD, Minneapolis, MN; Noel Phan, MD, New York City, NY; Hanan Zavala, MS, Minneapolis, MN; Sivakumar Chinnadurai, MD, Minneapolis, MN; Brianne B. Roby, MD, Minneapolis, MN
- 186. Readability Analysis of Pediatric Patient Reported Outcome Measures**
Zainab Farzal, MD MPH, Chapel Hill, NC; Christina Dorismond, MPH, Chapel Hill, NC; Nicholas J. Thompson, MD, Chapel Hill, NC; Saangyoung E. Lee, BS, Chapel Hill, NC; Carlton J. Zdanski, MD, Chapel Hill, NC
- 187. Otolaryngologic Sequelae in Children with Low Gestational Age**
Zaroug A. Jaleel, BS, Boston, MA; Rita Y. Wang, BS, Boston, MA; Michelle C. Hsu, MS, Boston, MA; Jessica R. Levi, MD, Boston, MA
- 188. First Branchial Cleft Cyst with Duplicate EAC Attached to the Facial Nerve: A Case Report and Review of the Literature**
Aron Kandinov, MD, Newark, NJ; Mayand Vakil, MD, Newark, NJ; Evelyne Kalyoussef, MD, Newark, NJ
- 189. The Value of Pre-Decannulation ICU Observation for Pediatric Patients**
Kevin J. Karlic, BS, Ann Arbor, MI; Nico M. Espinosa, BS, Ann Arbor, MI; Brittany E. Fleming, MS, Ann Arbor, MI; Jennifer L. Helman, MSN, Ann Arbor, MI; Kelly A. Krawcke, BSN, Ann Arbor, MI; Aaron L. Thatcher, MD, Ann Arbor, MI
- 190. Chronic Rhinitis among Chinese American Children**
So Un Kim, BS, Boston, MA; Andrew R. Scott, MD, Boston, MA
- 191. Capillary Blood Gas Screening and Hypoventilation in Infants with Pierre Robin Sequence**
James T. Kwan, BSE, Boston, MA; Andrew R. Scott, MD, Boston, MA
- 192. Narcotic Usage in Post-Pediatric Tonsillectomy Management and Opioid Disposal**
Brittany A. Leader, MD, Cincinnati, OH; Barbara A. Rich, RN, Cincinnati, OH; Matthew M. Smith, MD, Cincinnati, OH
- 193. Postoperative Fistula Development after Primary Cleft Palate Repair: Experience from Two Institutions**
Grace R. Leu, BS, Boston, MA; Bridget Ebert, BS, Minneapolis, MN; Brianne B. Roby, MD, Minneapolis, MN; Andrew R. Scott, MD, Boston, MA
- 194. The Impact of Surgical Approach on an Orbital CSF Leak: A Case Report and Literature Review**
Weston L. Niermeyer, BS, Columbus, OH; David Z. Allen, BA, Columbus, OH; Charles A. Elmaraghy, MD, Columbus, OH

- 195. Steroids for Pediatric Patients with Orbital Cellulitis: A Case by Case Treatment Option at a Pediatric Tertiary Hospital**
Weston L. Niermeyer, BS, Columbus, OH; Sean M. McDermott, BS, Columbus, OH;
Patrick C. Walz, MD, Columbus, OH; Charles A. Elmaraghy, MD, Columbus, OH
- 196. Role of Adenoidectomy in Provision of Secondary Tympanostomy Tube Placement**
Anthony M. Padgett, BS, Memphis, TN; Andrew J. Maroda, MD, Memphis, TN;
Anthony M. Sheyn, MD, Memphis, TN
- 197. Adenoidectomy: Inpatient Criteria Study**
Ravi N. Patel, BA, Hempstead, NY; Neha A. Patel, MD, Queens, NY; Guillaume J. Stoffels, MA MS,
Queens, NY; Joshua B. Silverman, MD PhD, Queens, NY; Lee P. Smith, MD, Queens, NY
- 198. Management and Impact of Pediatric Deep Neck Space Infections**
Jackson R. Randolph, BS, Tampa, FL; Sabreen K. Aulakh, BS, Tampa, FL; Sarah Azari, BS,
Tampa, FL; Ski K. Chennupati, MD, Allentown, PA
- 199. Evaluation of Late Onset Hearing Loss among Pediatric Patients with Tracheostomies**
Andres Urias Rivera, BS, Dallas, TX; Rachel St. John, MD, Dallas, TX; Kenneth Lee, MD PhD,
Dallas, TX; Romaine F. Johnson, MD MPH, Dallas, TX
- 200. A Rare Case of Tympanostomy Tube Otorrhea: Pigmentiphaga**
Samuel J. Rubin, MD MPH, Boston, MA; Claire M. Lawlor, MD, Washington, DC; Gi S. Lee, MD
EdM, Boston, MA
- 201. Transoral Vestibular Endoscopic Thyroglossal Duct Cyst Excision**
Marisa A. Ryan, MD MPH, Baltimore, MD; Jonathan M. Walsh, MD, Baltimore, MD;
Desi P. Schoo, MD, Baltimore, MD; Jonathon O. Russell, MD, Baltimore, MD
- 202. Surgical Treatment and Outcomes of Head and Neck Keloid in the Pediatric Population**
Syed H. Sagheer, BS, Orlando, FL; Timothy M. Maul, CCP PhD, Orlando, FL; Julie L. Wei, MD,
Orlando, FL
- 203. A Rare Case of Pediatric Intranasal Lobular Capillary Hemangioma**
Sam D. Schild, MD, Brooklyn, NY; Rachel T. Irizarry, MD, Brooklyn, NY; Ann W. Plum, MD,
Brooklyn, NY
- 204. How Steep is the Learning Curve? Evaluating the "July Effect" for Pediatric Tonsillectomies/Adenoidectomies**
Andria G. Sharma, BA, Newark, NJ; Taylor J. Bostonian, BS, Monroe Township, NJ; Evelyne
Kalyousef, MD, Newark, NJ
- 205. Lingual Tonsils in Cine MRI versus Drug Induced Sleep Endoscopy**
Michal Trope, MD, Cincinnati, OH; Jenna H. Barengo, BSE, Cincinnati, OH; Eshita Singh, BS,
Cincinnati, OH; Robert J. Fleck, MD, Cincinnati, OH; Mohamed A. Mahmoud, MD, Cincinnati, OH;
Stacey L. Ishman, MD MPH, Cincinnati, OH
- 206. Parental Attitudes toward Opioid Use for Pediatric Otolaryngology Patients**
Libby M. Ward, MA, Boston, MA; Yash Prakash, Boston, MA; Michael B. Cohen, MD, Boston, MA;
Jessica R. Levi, MD, Boston, MA
- 207. Sleep Endoscopy Findings in Children with Obstructive Sleep Apnea and Small Tonsils**
Adrian Williamson, MD, Morgantown, WV; Michele M. Carr, DDS MD PhD, Morgantown, WV;
Steven W. Coutras, MD, Morgantown, WV