CONTINUING MEDICAL EDUCATION CREDIT INFORMATION

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

AMA PRA Category 1 Credits™
The American College of Surgeons designates this live activity for a maximum of 18 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

THURSDAY, JANUARY 24, 2019

7:30 Attendee Breakfast with Exhibitors - Ballroom

GENERAL SESSION - CROWN ROOM

8:00 Welcome on behalf of the Section Vice Presidents
Peak Woo, MD FACS, New York, NY

8:05 Eastern Section Guest Introductions by Peak Woo, MD FACS, New York, NY, Eastern Section Vice President
Citation Awardees: Kenneth W. Altman, MD PhD FACS, Houston, TX
Ellen M. Friedman, MD FACS, Houston, TX
Robert M. Kellman, MD FACS, Syracuse, NY

Guest of Honor: Eric M. Genden, MD FACS, New York, NY
The Future of the Academic Department in a Health-System World

8:20 Southern Section Guest Introductions by Brent A. Senior, MD FACS, Chapel Hill, NC, Southern Section Vice President
Citation Awardees: Byron J. Bailey, MD, Conroe, TX
Marvin P. Fried, MD FACS, Bronx, NY
David W. Kennedy, MD FACS, Philadelphia, PA

Guest of Honor: Harold C. Pillsbury, MD FACS, Chapel Hill, NC
Impediments to Utilization of New Technology in Patient Care
Western Section Guest Introductions by Brian J.F. Wong, MD PhD FACS, Irvine, CA, Western Section Vice President

Citation Awardees: William B. Armstrong, MD FACS, Irvine, CA
Roger L. Crumley, MD MBA FACS, Irvine, CA
Victor Passy, MD, Irvine, CA

Guest of Honor: Richard E. Davis, MD FACS, Miramar, FL

To be presented in Friday Plastic Surgery session
How Tension Might Prolong Your Longevity - Advances in Nasal Surgery

Middle Section Guest Introductions by Pierre Lavertu, MD FACS, Cleveland, OH, Middle Section Vice President

Citation Awardees: Michael S. Benninger, MD FACS, Cleveland, OH
Dennis H. Kraus, MD FACS, New York, NY
Rod Rezaee, MD, Cleveland, OH

Guest of Honor: David Adelstein, MD, Cleveland, OH

Treatment De-escalation: A Note of Caution

PRESENTATION OF MIDDLE SECTION GEORGE ADAMS, MD YOUNG FACULTY AWARD to Jose P. Zevallos, MD MPH FACS, St. Louis, MO
Introduction by Pierre Lavertu, MD FACS, Middle Section Vice President

9:10 PRESIDENTIAL ADDRESS - Sigsbee W. Duck, MD FACS, Rock Springs, WY
The Triological Society-An Organization for Academic Practitioners
Introduction by Brian J.F. Wong, MD PhD FACS, Western Section Vice President

9:25 PRESENTATION OF SEVENTH ANNUAL PATRICK E. BROOKHOUSE, MD AWARD OF EXCELLENCE to Stanley M. Shapshay, MD FACS, Albany, NY
Introduction by Sigsbee W. Duck, MD FACS, President

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

10:05 - 11:00 TRIOLOGICAL SOCIETY BEST PRACTICE (TRIO BP)
Moderator: Andrew N. Goldberg, MD MSCE FACS, San Francisco, CA

Panelists: Is Computed Tomography Necessary before Septoplasty?
Ashutosh Kacker, MD FACS, New York, NY

What Is the Utility of Fine Needle Aspiration in Parotid Gland Neoplasm?
Samir S. Khariwala, MD, Minneapolis, MN

Does Concomitant Mastoidectomy Improve Outcomes for Patients Undergoing Repair of Tympanic Membrane Perforations?
Robert F. Labadie, MD PhD, Nashville, TN

When Should You Perform Injection Medialization for Pediatric Unilateral Vocal Fold Immobility?
Sukgi S. Choi, MD FACS, Boston, MA

Does Perioperative Skin Preparation Reduce Surgical Site Infection?
Margeaux R. Corby, MD, Charlottesville, VA

11:00 Q&A
11:05 - 11:55 HOW I DO IT: NOT WHEN AND WHY, JUST HOW VIDEO SESSION
Moderator: Katherine A. Kendall, MD FACS, Salt Lake City, UT
Panelists: Otology: Cartilage Graft Tympanoplasty
Roland D. Eavey, MD FACS, Nashville, TN
Sleep: Hypoglossal Nerve Stimulator
Erica R. Thaler, MD FACS, Philadelphia, PA
Laryngology: Office Based Injection Laryngoplasty
Lucian Sulica, MD, New York, NY
Peds: Endoscopic Type 3 Laryngeal Cleft Repair Techniques
Vikash Modi, MD, New York, NY

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: Randal A. Otto, MD FACS, San Antonio, TX

1:10 2018 TRILOGICAL SOCIETY THESIS - WITH DISTINCTION AWARD
Gene Expression Subtype Analysis of Laryngeal and Oral Cavity Squamous Cell Carcinoma Reveals Novel Molecular Markers of Nodal Metastasis and Survival
Jose Pedro Zevallos, MD MPH FACS, St. Louis, MO

1:17 Head and Neck Mucinous Adenocarcinoma: A Population Perspective
Samer T. Elsamna, BA, Newark, NJ; Neel R. Sangal, BA, Newark, NJ; Ariel O. Omiunu, BS, Newark, NJ; Richard Chan Woo Park, MD, Newark, NJ

1:24 Paul H. Holinger, MD Resident Research Award - Middle Section
Extranodal Extension Is a Strong Prognosticator in HPV Positive Oropharyngeal Squamous Cell Carcinoma
Eric L. Bauer, MD, St. Louis, MO; Angela L. Mazul, PhD MPH, St. Louis, MO; Douglas R. Adkins, MD, St. Louis, MO; Wade L. Thorstad, MD, St. Louis, MO; Jose P. Zevallos, MD MPH FACS, St. Louis, MO

1:31 Cranial Nerve Outcomes Following Parotid Basin Recurrences and Salvage Parotidectomy for Cutaneous Head and Neck (H&N) Melanoma: Importance of Early Regional Control in the Parotid Basin
John E. Hanks, MD, Ann Arbor, MI; Kevin J. Kovatch, MD, Ann Arbor, MI; Syed A. Ali, MD, Ann Arbor, MI; Josh D. Smith, BA, Ann Arbor, MI; Scott A. McLean, MD PhD, Ann Arbor, MI; Carol R. Bradford, MD, Ann Arbor, MI

1:38 Impact of Perioperative Pain Management Protocol on Opioid Prescribing Patterns
Max M. Scher, BS, Cleveland, OH; Kate L. Clancy, MD, Cleveland, OH (Presenter); Jason E. Thuener, MD, Cleveland, OH; Emily N. Ahadizadeh, MD, Cleveland, OH; Chad A. Zender, MD, Cleveland, OH

1:45 Observed to Expected Ratio for Adherence to Treatment Guidelines as a Quality of Care Indicator for Laryngeal Cancer
Warren C. Swegal, MD, Baltimore, MD; Robert J. Herbert, BS, Baltimore, MD; David W. Eisele, MD, Baltimore, MD; Jenny Chang, Irvine, CA; Robert E. Bristow, MD MBA FACS, Irvine, CA; Christine G. Gourin, MD MPH, Baltimore, MD
Tumor Infiltrating Lymphocyte Density Improves the Prognostic Resolution of AJCC 8th Edition Staging for HPV Positive Oropharyngeal Carcinoma
Farhoud Faraji, MD PhD, San Diego, CA; Nicholas Fung, BS, Baltimore, MD; Christine C. Gourin, MD, Baltimore, MD; David W. Eisele, MD, Baltimore, MD; Lisa M. Rooper, MD, Baltimore, MD; Carole Fakhry, MD MPH, Baltimore, MD

Q&A

THYROID CANCER - WHERE ARE WE NOW?
Moderator: Michael C. Singer, MD, Detroit, MI
Panelists: Molecular Markers
Robert L. Witt, MD FACS, Newark, DE
Neuromonitoring
Gregory W. Randolph, MD FACS, Boston, MA
Hemi vs Total Thyroidectomy for T2 Well Differentiated Thyroid Cancers
Eric M. Genden, MD FACS, New York, NY
Active Surveillance for Thyroid Carcinoma
Marilene B. Wang, MD FACS, Los Angeles, CA

Q&A

Break with Exhibitors/View Posters - Ballroom

1:10 - 3:10 CONCURRENT SESSION 1B
OTOLOGY/NEUROTOLOGY - CAROUSEL ROOM

CONTROVERSIES IN OTOLOGY/NEUROTOLOGY
Moderator: M. Jennifer Derebery, MD FACS, Los Angeles, CA
Panelists: Decision Making in Meniere's Disease: Medical vs. Surgical
Clough Shelton, MD FACS, Salt Lake City, UT
Autoimmune Inner Ear Disease: Beyond Steroids
Michael Hoa, MD, Washington, DC
To Hybrid or Not to Hybrid in Cochlear Implantation: Is More Better?
Joni K. Doherty, MD PhD FACS, Seal Beach, CA
Management of Tinnitus: Fact or Fiction?
Carol A. Bauer, MD FACS, Springfield, IL
Eustachian Tube Balloon Dilatation: Help vs Hype
Jennifer L. Maw, MD, San Jose, CA

Q&A

Combining Stereoscopic Video with Modular 3D Anatomic Models for Lateral Skull Base Training
Samuel R. Barber, MD, Tucson, AZ; Saurabh Jain, MS, Tucson, AZ; Young-Jun Son, PhD, Tucson, AZ; Shawn M. Stevens, MD, Phoenix, AZ

2018 TRIOLOGICAL SOCIETY THESIS - WITH DISTINCTION AWARD
Evaluation and Treatment of Pulsatile Tinnitus Associated with Sigmoid Sinus Wall Anomalies
David J. Eisenman, MD, Baltimore, MD
2:24 Imaging Findings in Pediatric Single Sided Deafness and Asymmetric Hearing Loss
Noga Lipschitz, MD, Cincinnati, OH; Gavriel D. Kohlberg, MD, Cincinnati, OH; Nicholas Roetting, BS, Cincinnati, OH; Michael Scott, AuD, Cincinnati, OH; John H. Greinwald, MD, Cincinnati, OH

2:31 Middle Cranial Fossa Approach for Management of Spontaneous Cerebrospinal Fluid Leaks: An Analysis of Audiometric Outcomes
Mohamedkazim M. Alwani, MD, Indianapolis, IN; Elhaam H. Bandali, MS, Indianapolis, IN; Lauren M. Van Buren, BS, Indianapolis, IN; Charles W. Yates, MD, Indianapolis, IN; Rick F. Nelson, MD PhD, Indianapolis, IN

2:38 Lawrence R. Boies, MD Resident Research Award - Middle Section
Predictors of Hearing in CHARGE Syndrome: Impact of Cochlear Nerve Deficiency and Cochlear Aperture Patency
Brittany A. Leader, MD, Cincinnati, OH; Kareem O. Tawfik, MD, San Diego, CA; Zoe A. Walters, BA, Cincinnati, OH; Daniel I. Choo, MD, Cincinnati, OH

2:45 Middle Fossa Microsurgical Facial Nerve Decompression in Patients with Idiopathic Recurrent Facial Nerve Paralysis: Outcomes of Surgical Management in a Rare Clinical Entity
Christopher Blake Sullivan, MD, Iowa City, IA; Vivan L. Zhu, BS, Iowa City, IA; Daniel Q. Sun, MD, Baltimore, MD; Marlan R. Hansen, MD, Iowa City, IA; Bruce J. Gantz, MD, Iowa City, IA

2:52 Ototoxicity Study of Topical Middle Ear Proflavine Application
Enrique R. Perez, MD MBA, Miami, FL; Cima P. Maliakal, BS, Miami, FL; Esperanza Bas, PhD, Miami, FL; Simon I. Angeli, MD, Miami, FL

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: Ralph B. Metson, MD FACS, Boston, MA

3:30 Utilization and Reimbursements for Sinus Procedures: A Five Year Analysis
Lindsey K. Koester, MD, Pittsburgh, PA; Parul Goyal, MD MBA, Syracuse, NY

3:37 Contemporary Analysis of Otolaryngic Allergy
Willard C. Harrill, MD FACS, Hickory, NC; Gavin Setzen, MD FACS, Albany, NY; Harold C. Pillsbury, MD FACS, Chapel Hill, NC

3:44 Clinical and Demographic Traits Characterizing a High Frequency of Acute Exacerbations of Chronic Rhinosinusitis Disease Phenotype
Katie M. Phillips, MD, Boston, MA; Lloyd P. Hoehle, BA BS, Boston, MA; David S. Caradonna, MD DMD, Boston, MA; Stacey T. Gray, MD, Boston, MA; Ahmad R. Sedaghat, MD PhD, Boston, MA

3:51 Richard J. Bellucci, MD Resident Research Award - Eastern Section
Opioid Prescription Patterns and Use among Patients Undergoing Sinus Surgery
Rosh K.V. Sethi, MD MPH, Boston, MA; Ashley L. Miller, MD, Boston, MA; Ryan A. Bartholomew, BS, Boston, MA; Regan Bergmark, MD, Boston, MA; Ahmad R. Sedaghat, MD PhD, Boston, MA; Stacey T. Gray, MD, Boston, MA
3:58 Long Term Outcomes after Endoscopic Dacryocystorhinostomy without Mucosal Flap Preservation
Todd T. Kingdom, MD, Aurora, CO; Henry P. Barham, MD, Baton Rouge, LA; Vikram D. Durairaj, MD, Austin, TX

4:05 Symptom Profile of Chronic Rhinosinusitis versus Obstructive Sleep Apnea
Keven Sy Ji, BA, Durham, NC; Lyndon Chan, MD, Durham, NC; Ralph Abi Hachem, MD, Durham, NC; David W.J. Jang, MD, Durham, NC

4:12 Medical Liability in Rhinology
Suparna N. Shah, MD, Galveston, TX; Kareem B Haroun, MD, Galveston, TX; Mohamad R. Chaaban, MD, Galveston, TX

4:19 Q&A

4:25 - 5:10 IS SINUS SURGERY GOING AWAY?
Moderator: Todd T. Kingdom, MD FACS, Denver, CO
Panelists: The Role of Biologics and Their Impact on the Need for Surgery
Robert C. Kern, MD FACS, Chicago, IL
The Expanding Application of Office Based Procedures
Sandra Y. Lin, MD, Baltimore, MD
Surgical Management of Fungal Rhinosinusitis
Stilianos E. Kountakis, MD PhD FACS, Augusta, GA
Changing Selection Criteria for Surgery and Impact on Utilization
Adam M. Zanation, MD, Chapel Hill, NC

5:10 Q&A

5:15 ADJOURN SESSION

5:30 - 7:00 VICE PRESIDENT'S WELCOME RECEPTION (for all attendees) - Sun Deck

3:30 - 5:20 CONCURRENT SESSION 2B
LARYNGOLOGY/BRONCHOESOPHAGOLOGY - CAROUSEL ROOM

3:30 - 4:15 REFLUX, IRRITABLE LARYNX, AND COUGH
Moderator: Kenneth W. Altman, MD PhD FACS, Houston, TX
Panelists: How Often and under What Circumstances Does Reflux Cause or Contribute to Laryngeal Irritability or Cough?
Kenneth W. Altman, MD PhD FACS, Houston, TX
Defining Reflux (GER vs LPR), How Is It Diagnosed/Quantified, and What Are Our Limitations as Otolaryngologists Relative to the Cough Guidelines?
Jonathan M. Bock, MD, Milwaukee, WI
Is the Pathophysiology Different in Children?
Romaine F. Johnson, MD MPH, Dallas, TX
What Are the Manifestations and Mechanisms of Laryngeal Irritability to Include PVFM, Episodic Reflux Laryngospasm, Chronic Irritable Larynx, and Chronic Cough?
Natasha Mirza, MD FACS, Philadelphia, PA

4:15 Q&A
4:20 2018 TRIOLOGICAL SOCIETY THESIS - HONORABLE MENTION FOR CLINICAL SCIENCE RESEARCH
Oropharyngeal Symptoms Following Suspension Laryngoscopy: Procedural Factors and the Impact of Submucosal Perfusion Using Capillaroscopy
Paul C. Bryson, MD FACS, Cleveland, OH

4:27 Topical Anesthetic Techniques in Office Based Laryngeal Surgery: A Comparison of Patient Preferences
Matthew R. Naunheim, MD MBA, New York, NY; Peak Woo, MD, New York, NY (Presenter)

4:34 Office Based Corticosteroid Injections as Adjuvant Therapy for Subglottic Stenosis
Debbie R. Pan, BA, Miami, FL; David E. Rosow, MD, Miami, FL

4:41 What a Pain in the Neck - Anterior Cervical Pain Syndrome Risk Factors, Variations in Hyolaryngeal Anatomy and Treatments
Karuna Dewan, MD, Palo Alto, CA; Christine Yang, Palo Alto, CA; Mrudula Penta, MD, Palo Alto, CA

4:48 Vice President's Resident Research Award - Western Section
Long Term Alterations within Cortical Basal Ganglia Cerebellar Networks in Unilateral Vocal Fold Paralysis
Philip L. Perez, MD, San Francisco, CA; Kristine L. Cueva, BS, San Francisco, CA; Margaret L. Naunheim, MD, Seattle, WA; Leighton B. Hinkley, PhD, San Francisco, CA; Srikantan S. Nagarajan, PhD, San Francisco, CA; Steven W. Cheung, MD, San Francisco, CA

4:55 Correlation of Salivary and Nasal Lavage Pepsin with MII-pH Testing
Miles Jonathan Klimara, BA, Milwaukee, WI; Nikki Johnston, PhD, Milwaukee, WI; Tina L. Samuels, MS, Milwaukee, WI; Joel H. Blumin, MD, Milwaukee, WI; Jonathan M. Bock, MD, Milwaukee, WI

5:02 Local Pepsin and Proton Pump Synthesis in Barrett's Esophagus May Promote Progression to Esophageal Adenocarcinoma
Tina L. Samuels, MS, Milwaukee, WI; Kenneth W. Altman, MD PhD, Houston, TX; Jon C. Gould, MD, Milwaukee, WI; Tammy L. Kindel, MD PhD, Milwaukee, WI; Alexander C. MacKinnon, MD PhD, Milwaukee, WI; Nikki S. Johnston, PhD, Milwaukee, WI

5:09 Q&A

5:15 ADJOURN SESSION

5:30 - 7:00 VICE PRESIDENT’S WELCOME RECEPTION (for all attendees) - Sun Deck
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 - Peak Woo, MD FACS, Eastern Section Vice President

Moderator: Lamont R.D. Jones, MD MBA, Detroit, MI

8:05  Preoperative Characteristics of Over 1200 FSRP Patients
Natalie S. Justicz, MD, Boston, MA; Shekhar K. Gadkaree, MD, Boston, MA;
Robin W. Lindsay, MD, Boston, MA

8:12  Keloid Link to Clinical Outcomes in Breast Cancer: A Potential Link between
Ethnic Variations in Immune Response and Tumor Behavior
Melissa B. Davis, PhD, Detroit, MI; Edward M. Walton, BS, Detroit, MI (Presenter);
Brittany D. Jenkins, PhD, Athens, GA; Vanessa P. Chu, BA, Detroit, MI;
Haythem Y. Ali, MD, Detroit, MI; Christine M. Nesland-Dudas, PhD, Detroit, MI;
Lamont R. Jones, MD MBA, Detroit, MI

8:19  Pediatric Midface Fractures: Outcomes and Complications
Richard Kao, MD, Indianapolis, IN; Vincent J. Campiti, BS, Indianapolis, IN;
Cyrus C. Rabbani, MD, Indianapolis, IN; Jon Y. Ting, MD, Indianapolis, IN;
Michael W. Sim, MD, Indianapolis, IN; Taha Z. Shipchandler, MD, Indianapolis, IN

8:26  Incidence of Inadequate Perforators and Salvage Options for Anterior Lateral
Thigh (ALT) Flaps: A Multi-Institutional Retrospective Review of over 1000
Flaps
Haley E. Calcagno, MS, Portland, OR; William W. Thomas, MD, Portland, OR
(Presenter); Brett A. Miles, DDS MD, New York, NY; Steven B. Cannady, MD,
Philadelphia, PA; Matthew M. Hanasono, MD, Houston, TX; Mark K. Wax, MD,
Portland, Oregon

8:33  The Spectrum of Facial Palsy: The Facial Palsy Photo and Video Standard Set
Jacqueline J. Greene, MD, Boston, MA; Joana Tavares, MD, Boston, MA; Diego
Guarin, PhD, Boston, MA; Olivia Quatela, BA, Boston, MA; Nate Jowett, MD,
Boston, MA; Tessa Hadlock, MD, Boston, MA

8:40  Postoperative Pain Is Mild and Opioid Need Is Minimal after Rhinoplasty
Anthony P. Sclafani, MD, New York, NY

8:47  Radial Forearm Reconstruction of Oral Cavity and Oropharyngeal Defects
without Tracheotomy
Tara J. Wu, MD, Los Angeles, CA; Karam W. Badran, MD, Los Angeles, CA; Satvir
Saggi, BS, Los Angeles, CA; Albert Y. Han, MD PhD, Los Angeles, CA;
Jordan P. Sand, MD, Spokane, WA; Keith E. Blackwell, MD, Los Angeles, CA
"July Effect" in Otolaryngology Microvascular Reconstruction: Analysis of the American College of Surgeons National Surgical Quality Improvement Program Database
Amishav Y. Bresler, MD, Newark, NJ; Richard Bavier, BA, Newark, NJ; Richard Chan Woo Park, MD, Newark, NJ

Q&A

WESTERN SECTION GUEST OF HONOR INVITED PRESENTATION
How Tension Might Prolong Your Longevity - Advances in Nasal Surgery
Richard E. Davis, MD FACS, Miramar, FL

INNOVATION AND TRENDS IN AESTHETIC RHINOPLASTY
Moderator: Brian J.F. Wong, MD PhD FACS, Irvine, CA
Panelists: Deborah Watson, MD FACS, San Diego, CA
Stephen S. Park, MD, Charlottesville, VA
J. Madison Clark II, MD FACS, Chapel Hill, NC
Richard E. Davis, MD, Miramar, FL

Q&A

Break with Exhibitors/View Posters - Ballroom

8:00 - 10:00 Concurrent Session 3B
General/Sleep Medicine - Grand Hall

Announcements - Pierre Lavertu, MD FACS, Middle Section Vice President

8:05 - 8:55 Complex Sleep Procedures in Children
Moderator: Stacey L. Ishman, MD MPH, Cincinnati, OH
Panelists: Richard J. Schmidt, MD FACS, Wilmington, DE
Andrew R. Scott, MD FACS, Boston, MA

8:55 Q&A

Moderator: Robert H. Deeb, MD, Detroit, MI

The Conception, Planning and Execution of a Successful Medical Service Trip to Developing Countries
Larry A. Hoover, MD, Mission Hills, KS; Sreeya S. Yalamanchali, MD, Kansas City, MO; Ann B. Robinson, MD, Leawood, KS; Joseph L. Edmonds, MD, Houston, TX; Travis T. Tollefson, MD MPH, Sacramento, CA

9:07 The Utility of Smartphone Applications and Fitbit as a Screening Tool for the Diagnosis of Obstructive Sleep Apnea
Sunny S. Kim, BA, Washington, DC; Daniel Chung, MD, Washington, DC; Richard L. Amdur, PhD, Washington, DC; Philip Zapanta, MD, Washington, DC

9:14 Statin Use Protective for Chronic Sinusitis in U.S. Outpatient Population
James H. Wilson, MChem, Charlottesville, VA; Spencer C. Payne, MD, Charlottesville, VA; Cyrelle-Elize R. Fermin, BS, Charlottesville, VA; Ian T. Churnin, MD, Charlottesville, VA; Jamiluddin Qazi, BS, Charlottesville, VA; Jose L. Mattos, MD MPH, Charlottesville, VA

9:21 Quality of Narrative Operative Reports in Endoscopic Sinus Surgery
Shannon C. Wheeler, BS, Phoenix, AZ; Amar Miglani, MD, Phoenix, AZ; Nicholas L. Deep, MD, Phoenix, AZ; Devyani Lal, MD, Phoenix, AZ
9:28 Can Movie Trailers Make You Deaf?
Sujana S. Chandrasekhar, MD, New York, NY; Sajan N. Ramanathan, Glen Ridge, NJ

9:35 A SIMPL Tool to Track Operative Autonomy in Otolaryngology Training
Jenny X. Chen, MD, Boston, MA; Elliott D. Kozin, MD, Boston, MA; Jordan D. Bohnen, MD, Boston, MA; Brian C. George, MD, Ann Arbor, MI; Kevin S. Emerick, MD, Boston, MA; Stacey T. Gray, MD, Boston, MA

9:42 William W. Montgomery, MD Resident Research Award - Eastern Section
Teaching Tracheotomy Management: The Creation of an Active Learning Workshop for Non-Otolaryngology Residents
Mingyang L. Gray, MD MPH, New York, NY; Scott A. Roof, MD, New York, NY; Mark S. Courey, MD, New York, NY

9:49 Implication of Fusobacterium Necrophorum and Streptococcal Species in Recurrent Peritonsillar Abscesses
S. Ahmed A. Ali, MD, Ann Arbor, MI; Kevin J. Kovatch, MD, Ann Arbor, MI; Josh S. Smith, BS, Ann Arbor, MI; Paul T. Hoff, MD, Ann Arbor, MI; Carl M. Truesdale, MD, Ann Arbor, MI; John E. Hanks, MD, Ann Arbor, MI

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 Topicals in the Management of CRS
Moderator: Stacey T. Gray, MD FACS, Boston, MA
Panelists: Alternative Topicals
Subinoy Das, MD FACS, Columbus, OH
Topical Steroids (and Different Types of Formulations Including Stents)
Peter H. Hwang, MD FACS, Stanford, CA
Topical Antibiotics and Antifungals
Alexander G. Chiu, MD, Kansas City, KS

11:20 Q&A
Moderator: Vishad Nabili, MD FACS, Los Angeles, CA

11:25 Impact of Sinus Surgery on Hospital Utilization for Complications of Sinusitis
Vivek C. Pandrangi, BA, Richmond, VA; Evan R. Reiter, MD FACS, Richmond, VA

11:32 Trend and Predictors of Surgery for Orbital Cellulitis: An Analysis of State Inpatient Database
Pawina Jiramongkolchai, MD, St. Louis, MO; Dorina Kallgojeri, MD MPH, St. Louis, MO; Kim Jiramongkolchai, MD, Baltimore, MD; Jay F. Piccirillo, MD, St. Louis, MO

11:39 Presentation and Outcomes of Noninvasive Sinusitis in Patients Following Liver and Kidney Transplantation
Aviv Spillinger, BS, Rochester, MI; Christopher M. Low, MD, Rochester, MN; Janalee K. Stokken, MD, Rochester, MN; Erin K. O'Brien, MD, Rochester, MN; Garret W. Choby, MD, Rochester, MN
11:46  **Olfactory Outcomes after Endoscopic Skull Base Surgery: A Systematic Review and Meta-Analysis**
Linda X. Yin, MD, Rochester, MN; Christopher M. Low, MD, Rochester, MN; Cassandra L. Puccinelli, MD, Rochester, MN; Erin K. O'Brien, MD, Rochester, MN; Janalee K. Stokken, MD, Rochester, MN; Garret W. Choby, MD, Rochester, MN

11:53  **Effects of Essential Oils to Inhibit Biofilm Formation by Gram Positive and Gram Negative Bacteria**
James C. Wang, MD PhD, Cincinnati, OH; Aneesh Bapodra, BS, Lubbock, TX; Jeremy Doan, Lubbock, TX; Joshua C. Demke, MD, Lubbock, TX; Phat Tran, PhD, Lubbock, TX

12:00  **Results of Routine Nasolacrimal Sac Histopathology Sampling during Endoscopic Dacryocystorhinostomy (DCR)**
Catherine G. Banks, MBChB, Boston, MA; Zoe H. Fullerton, Boston, MA; Qasim Husain, MD, Boston, MA; George A. Scangas, MD, Boston, MA; Ralph B. Metson, MD, Boston, MA

12:07  **Morphologic, Intraoperative, and Histologic Risk Factors for Sinonasal Inverted Papilloma Recurrence**
Jake J. Lee, MD, St. Louis, MO; Jordan J. Licata, DO, Philadelphia, PA; Lauren T. Roland, MD, Atlanta, GA; Cristine N. Klatt-Cromwell, MD, St. Louis, MO; Rebecca D. Chernock, MD, St. Louis, MO; John S. Schneider, MD, St. Louis, MO

12:14  **National Patterns and Survival Impact of Treatment Delays in Surgically Managed Sinonasal Cancer**
Alexander N. Goel, BA, Los Angeles, CA; Jivianne T. Lee, MD, Los Angeles, CA; Marilene B. Wang, MD, Los Angeles, CA; Jeffrey D. Suh, MD, Los Angeles, CA

12:21  **Q&A**

12:30  **ADJOURN - afternoon activities are listed after Concurrent Session 4B**

**10:30 - 12:30  CONCURRENT SESSION 4B**
**LARYNGOLOGY/BRONCHOESOPHAGOLOGY AND PEDIATRIC OTOLARYNGOLOGY - CAROUSEL ROOM**

Moderator: Udayan K. Shah, MD, Wilmington, DE

10:30  **2018 TRIOLOGICAL SOCIETY THESIS - HONORABLE MENTION FOR BASIC SCIENCE RESEARCH**
T-Helper 2 Lymphocyte Immunophenotype is Associated with Iatrogenic Laryngotracheal Stenosis
Alexander T. Hillel, MD, Baltimore, MD

10:37  **Computational Fluid Dynamics in the Diagnosis and Management of Complete Tracheal Rings**
Eric C. Mason, MD, Columbus, OH; Maria B. Koenigs, MD, Columbus, OH; Kai Zhao, PhD, Columbus, OH; Tendy Chiang, MD, Columbus, OH
10:44 Preoperative Communication Enhancement in Pediatric Tracheostomy: What Are We Missing?  
Rachel M. Santiago, MS CCC-SLP, Boston, MA; Reza Rahbar, DMD MD, Boston, MA (Presenter); Michelle Howard, MS CCC-SLP, Boston, MA; Natasha D. Dombrowski, BA, Boston, MA; Karen Watters, MB Ch, Boston, MA; John M. Costello, MA CCC-SLP, Boston, MA

10:51 The Natural History of Silent Aspiration Seen on Modified Barium Swallow Studies in the Pediatric Population: A Retrospective Chart Review  
Joseph B. Meleca, MD, Cleveland, OH; Elizabeth O. Shay, BS, Cleveland, OH; Samantha Anne, MD, Cleveland, OH; Brandon Hopkins, MD, Cleveland, OH

10:58 HPV RNA in Situ Hybridization as a Diagnostic Aid in Papillomatous Laryngeal Lesions  
Jordan A. Garcia, MD, Baltimore, MD; Lisa M. Rooper, MD, Baltimore, MD; Simon R. Best, MD, Baltimore, MD

11:05 James A. Harrill, MD Resident Research Award - Southern Section  
Tracheostomies among Extremely Preterm Infants in the United States - A Cross-Sectional Analysis  
Cynthia S. Wang, MD, Dallas, TX; Yann-Fuu Kou, MD, Dallas, TX; Gopi B. Shah, MD, Dallas, TX; Ron B. Mitchell, MD, Dallas, TX; Romaine F. Johnson, MD MPH, Dallas, TX

11:12 Outcomes of Surgical Treatment of Tracheal Stenosis  
Taylor W. Norton, MS, Memphis, TN; Madhu P. Mamidala, PhD, Memphis, TN; Marion B. Gillespie, MD MSc, Memphis, TN

11:19 Effect of Unilateral Cordotomy on Perception of Dysphagia  
Melissa L. Conklin, BS, Aurora, CO; Matthew S. Clary, MD, Aurora, CO; Elizabeth M. Cuadrado, MS, Aurora, CO; Marie E. Jette, PhD, Aurora, CO

11:26 Q&A

11:30 - 12:25 COMMON ERRORS IN DIAGNOSIS OF VOICE DISORDERS IN ADULTS AND CHILDREN  
Moderator: C. Gaelyn Garrett, MD MMHC, Nashville, TN  
Panelists: Karen B. Zur, MD, Philadelphia, PA  
Julina Ongkasuwan, MD, Houston, TX  
Jenny Muckala, MA CCC-SLP, Nashville, TN  
Paul C. Bryson, MD FACS, Cleveland, OH

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 TRILOGICAL THESIS SEMINAR (pre-registration required) - Crystal/Continental

12:45 - 2:00 RESIDENT BOWL (pre-registration required) - Crown Room

12:45 - 2:45 PHYSICIAN/SCIENTIST MEETING (by invitation) - Windsor Complex
7:00 - 7:50  Business Meetings (Fellows Only)
   Eastern Section - Continental
   Middle Section - Windsor Complex

7:30  Attendee Breakfast with Exhibitors - Ballroom

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

7:55 Announcements - Brent A. Senior, MD FACS, Southern Section Vice President and Brian J.F. Wong, MD PhD FACS, Western Section Vice President

   Introduction of Vice Presidents-Elect by Section Vice Presidents
   Gregory A. Grillone, MD FACS - Vice President-Elect, Eastern Section
   Fred F. Telischi, MD FACS - Vice President-Elect, Southern Section
   Albert L. Merati, MD FACS - Vice President-Elect, Western Section
   Alan G. Micco, MD FACS - Vice President-Elect, Middle Section

8:05 - 9:25 ANOTHER LOOK AT PHYSICIAN WELLNESS: PUT YOUR OWN OXYGEN MASK ON BEFORE HELPING OTHERS
   Moderator:  Carol R. Bradford, MD FACS, Ann Arbor, MI
   Panelists:
   Creating a Wellness Initiative and Office
   Carol R. Bradford, MD FACS, Ann Arbor, MI
   An Institutional Study of Wellness and ACS Wellness Resources
   Michael S. Benninger, MD FACS, Cleveland, OH
   The ACGME Back to Bedside Initiative
   Jenna Devare, MD (Resident), Ann Arbor, MI
   Perspectives on Resilience
   Brian Nussenbaum, MD FACS, Houston, TX
   From Burnout to Wellness: A Professional Imperative
   Michael M. Johns III, MD, Los Angeles, CA

9:25  Q&A

9:30 - 10:00  Break with Exhibitors/View Posters - Ballroom
10:00 - 11:00  TREATMENT STRATEGIES FOR MALIGNANCIES OF HEAD AND NECK
Moderator: Maie A. St. John, MD, Los Angeles, CA
Panelists:
- Treatment of HPV+ Cancers; What We Have Learned and How to Inform Future Therapy and Trials
  Bruce H. Haughey, MBChB FACS, Celebration, FL
- Opportunities for De-Escalation with Transoral Surgery for Cancer
  Michael L. Hinni, MD FACS, Phoenix, AZ
- Case Driven Updates Using AJCC Staging Criteria
  Cherie-Ann Nathan, MD FACS, Shreveport, LA
- Update: Young Tongue Cancer
  Karen T. Pitman, MD FACS, Baltimore, MD
- Reconstructive Strategies for Cancer Patients - Value Based Utilization of Technology
  Rod Rezaee, MD, Cleveland, OH

11:00  Q&A
Moderator: Chad A. Zender, MD FACS, Cleveland, OH

11:05  Prediction of Swallowing Function in TORS Patients Requiring Postoperative Adjunct Treatment
Opeoluwa O. Daniyan, MD, Miami, FL; Mario A. Landera, SLP-D, Miami, FL; Donna S. Lundy, PhD, Miami, FL; Carlos L. Green, MD, Miami, FL; Caitlin M. Coviello, BS, Miami, FL; Giovana R. Thomas, MD, Miami, FL

11:12  Health Literacy: Impact on Quality of Life in Head and Neck Cancer Survivors
Marci Lee Nilsen, PhD RN, Pittsburgh, PA; Lingyun Lyu, MS, Pittsburgh, PA; Shyamal Das Peddada, PhD, Pittsburgh, PA; Evan J. Randazza, BA, Pittsburgh, PA; Jonas T. Johnson, MD, Pittsburgh, PA

11:19  Impact of Opioid Dependence on Major Head and Neck Surgery
Varesh R. Patel, BA, Newark, NJ; Sana H. Siddiqui, BA, Newark, NJ; Loka P. Thangamathesvaran, BA, Newark, NJ; Peter F. Svider, MD, Newark, NJ; Jean Anderson Eloy, MD, Newark, NJ; Wayne D. Hsueh, MD, Newark, NJ

11:26  The Effects of Pulmonary Hypertension on Major Head and Neck Procedures
Varesh R. Patel, BA, Newark, NJ; Nirali M. Patel, BA, Newark, NJ (Presenter); Mina T. Mikhail, BA, Newark, NJ; Peter F. Svider, MD, Newark, NJ; Jean Anderson Eloy, MD, Newark, NJ; Wayne D. Hsueh, MD, Newark, NJ

11:33  Outpatient Parotidectomy: A Safe and Feasible Alternative to Inpatient Surgery
Margaret C. Michel, BS, Washington, DC; Sean B. Bury, MD, Washington, DC; Collin F. Mulcahy, MD, Washington, DC; Daniel A. Benito, MD, Washington, DC; Punam G. Thakkar, MD, Washington, DC; Arjun S. Joshi, MD, Washington, DC

11:40  Parathyroid Protection with the Transoral Endoscopic Thyroidectomy Vestibular Approach (TOETVA)
Christopher R. Razavi, MD, Baltimore, MD; Lena W. Chen, BA, Baltimore, MD; Ralph P. Tufano, MD MBA, Baltimore, MD; Jonathon O. Russell, MD, Baltimore, MD
Patterns of Subsequent Cancer Diagnosis in Older Patients with Head and Neck Squamous Cell Carcinoma: A Population Based Analysis
John F. Ryan, BS, Baltimore, MD; Amanda L. Blackford, ScM, Baltimore, MD; David Lim, MS, Baltimore, MD; David W. Eisele, MD, Baltimore, MD; Carole Fakhry, MD MPH, Baltimore, MD

11:54 Q&A

12:00 - 1:00 Lunch/Visit Exhibits/View Posters - Ballroom

10:00 - 12:00 Concurrent Session 5B
Otoology/Neurotology - Carousel Room
Moderator: Maroun T. Semaan, MD, Cleveland, OH

10:00 Patterns and Severity of Transverse Sinus Stenosis in Patients with Pulsatile Tinnitus Associated with Sigmoid Sinus Wall Anomalies
Daniel A. Hewes, MD, Cleveland, OH; Prashant Raghavan, MBBS, Baltimore, MD; David J. Eisenman, MD, Baltimore, MD

10:07 Bulk of Bone for BAHA in Children 0-4 Years of Age
Kareem M. Al-Mulki, BA, Atlanta, GA; Nadja Kadom, MD, Atlanta, GA; Norman Wendell Todd, MD MPH, Atlanta, GA

10:14 Lloyd A. Storrs Jr., MD Resident Research Award - Southern Section Evaluating Correlation between Hearing Loss and Middle Ear Volume in Patients with a Tympanic Membrane Perforation
Garrett G. Casale, MD, Charlottesville, VA; Ellen C. Shaffrey, BS, Charlottesville, VA; Bradley W. Kesser, MD, Charlottesville, VA

10:21 VEMP Tuning Changes in Meniere's Disease Stages
Stefania Goncalves, MD, Miami, FL; Simon Ignacio Angelii, MD, Miami, FL

10:28 Assessment of Surgical Skills Using Intraoperative Videos of Mastoidectomies
Kyle D. Kulbarsh, MPhil, Charleston, SC; Charmee H. Mehta, BSPH, Charleston, SC; James R. Dornhoffer, MD, Charleston, SC; Michaela F. Close, BS, Charleston, SC; Ted A. Meyer, MD PhD, Charleston, SC

10:35 Utility of Balloon Dilation of the Eustachian Tube for Military Divers and Aviators
Edward R. Utz, MD, San Diego, CA; Austin J. Labanc, DO, San Diego, CA; Mikal J. Nelson, MD, San Diego, CA; Philip A. Gaudreau, MD, San Diego, CA; Sean R. Wise, MD, San Diego, CA

10:42 Eustachian Tube Dysfunction in Children with Cleft Palate: Tympanometric Time to Event Analysis
Mena Said, BS, Sacramento, CA; Samantha N. McKinney, AuD F-AAA, Sacramento, CA; Ahmed G. Bayouni, MB BCH CCRC, Sacramento, CA; Travis T. Tollefson, MD MPH, Sacramento, CA; Jamie Funamura, MD, Sacramento, CA

10:49 Q&A
10:55 - 12:00  MENIERE’S DISEASE: PEARLS IN PATIENT MANAGEMENT
Moderator: Sujana S. Chandrasekhar, MD FACS, New York, NY
Panelists: Introduction and overview including clinical questions
Sujana S. Chandrasekhar, MD FACS, New York, NY
Making a Diagnosis: Understanding Testing in Meniere’s
Yuri Agrawal, MD, Baltimore, MD
When Is it Meniere’s and When Is it Migraine?
Hamid R. Djalilian, MD, Irvine, CA
Dietary Counseling for Meniere’s - What Works and Why?
Mia E. Miller, MD, Los Angeles, CA
Systemic Medications: Diuretics, Steroids, Betahistine, Antihistamines, Antivirals, Allergy Treatment
Brian W. Blakley, MD PhD FACS, Winnipeg, MB Canada
Inner Ear Pharmacology - Steroids, Gentamicin, Other
Soha N. Ghossaini, MD FACS, Auburndale, NY
Surgery for Meniere’s: PE Tubes, Meniett, ELS, Vestibular Nerve Section, Labyrinthectomy
Mia E. Miller, MD, Los Angeles, CA

11:55  Q&A

12:00 - 1:00  Lunch/Visit Exhibits/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)

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

Moderator: Sherard A. Tatum, MD FACS, Syracuse, NY

1:10  Cytokeratin Expression in Respiratory Progenitor Cells in Mouse Model of Orthotopic Segmental Tracheal Replacement
Matthew G. Wiet, MS, Columbus, OH; Audrey L. White, BS, Columbus, OH; Sayali Dharmadhikari, MS, Columbus, OH; Susan D. Reynolds, PhD, Columbus, OH; Tendy Chiang, MD, Columbus, OH

1:17  Validation of the Maxillary Roof for Avoiding Skull Base Injury in Pediatric Sinus Surgery
Sean S. Evans, MD, Birmingham, AL; Catherine H. Banks, MBChB FRACS, Sydney, NSW Australia; Joshua J. Richman, MD PhD, Birmingham, AL; Audie L. Woolley, MD, Birmingham, AL; Bradford A. Woodworth, MD, Birmingham, AL

1:24  Detection of Pepsin in Oral Secretions of Infants with and without Laryngomalacia
Miles J. Klimara, BA, Milwaukee, WI; Nikki Johnston, PhD, Milwaukee, WI (Presenter); Tina L. Samuels, MS, Milwaukee, WI; Robert H. Chun, MD, Milwaukee, WI; Michael E. McCormick, MD, Milwaukee, WI
Clinical and Radiological Features of Ectopic Cervical Thymus in Children
Patricia L. Purcell, MD, Toronto, ON Canada; Faisal Zawawi, MD MSc FRCSC, Toronto, ON Canada; Evan J. Propst, MD MSc FRCSC, Toronto, ON Canada; Blake C. Papsin, MD MSc FRCSC, Toronto, ON Canada; Susan I. Blaser, MD FRCP(C), Toronto, ON Canada; Nikolaus E. Wolter, MD MSc FRCSC, Toronto, ON Canada

Treatment of Children with Obstructive Sleep Apnea and Laryngomalacia: The Role of Laser Supraglottoplasty, a Randomized Controlled Trial
Alhasan N. Elghouche, MD MS, Indianapolis, IN; Bruce H. Matt, MD MSc FAAP FACS, Indianapolis, IN

Perception of Secondary Cleft Lip Deformity in the Pediatric Population, a Pilot Study
Emily E. Karp, BS, Minneapolis, MN; Andrew R. Scott, MD, Boston, MA; Sivakumar Chinnadurai, MD MPH, Minneapolis, MN; Katherine B. Martin, PhD, Falls Church, VA; Brianne B. Roby, MD, St. Paul, MN

Resource Utilization of Intraoperative Cultures for Pediatric Deep Neck Space Abscesses
Sophie G. Shay, MD, Milwaukee, WI; Sarah Khayat, MD, Chicago, IL; Rebecca Xu, MD, Chicago, IL; Taher Valika, MD, Chicago, IL; Sameer J. Patel, MD, Chicago, IL; Jennifer M. Lavin, MD MS, Chicago, IL

Q&A

COLLABORATIVE PANEL WITH AMERICAN SOCIETY OF PEDIATRIC OTOLARYNGOLOGY: PEDIATRIC MULTIDISCIPLINARY TEAMS
Moderator: Dana M. Thompson, MD FACS, Chicago, IL
Panelists: Value of Teams in the CI/SNHL Population
Blake C. Papsin, MD FACS, Toronto, ON Canada
Value of Teams in Pediatric Voice Disorders
Alessandro de Alarcon, MD MPH, Cincinnati, OH
Craniofacial Teams and VPI
Amelia F. Drake, MD FACS, Chapel Hill, NC
Aerodigestive Teams
Shelagh A. Cofer, MD, Rochester, MN

Q&A

Break/View Posters - Ballroom

1:10 - 3:05 Concurrent Session 6B
General and Sleep Medicine - Carousel Room

Challenges to Professionalism in Our Healthcare System 2019
Moderator: Gerald B. Healy, MD FACS, Boston, MA
Panelists: Stanley M. Shapshay, MD FACS, Albany, NY
Jonas T. Johnson, MD FACS, Pittsburgh, PA

Q&A
2:10
Francis L. Lederer, MD Resident Research Award - Middle Section
Polysomnographic Outcomes in Children under 3 Years with Mild Obstructive Sleep Apnea Treated with Observation
Douglas C. Von Allmen, MD, Cincinnati, OH; Kathleen M. Sarber, MD, Cincinnati, OH; Javier Howard, BS MPH, Cincinnati, OH; Raisa Tikhtman, BS, Cincinnati, OH; David F. Smith, MD, Cincinnati, OH; Stacey L. Ishman, MD MPH, Cincinnati, OH

2:17
Polysomnographic Outcomes in Children with Down Syndrome and Mild Obstructive Sleep Apnea Treated with Medication versus Oxygen or Observation Alone
Javier J.M. Howard, BS MPH, Cincinnati, OH; Kathleen M. Sarber, MD, Cincinnati, OH; Wenwen Yu, MD, Shanghai, China; David F. Smith, MD PhD, Cincinnati, OH; Narong Simakajornboon, MD, Cincinnati, OH; Stacey L. Ishman, MD MPH, Cincinnati, OH

2:25
The Association between Asthma, Obesity, and Severe OSA among Pediatric Patients - A Case Control Series
Ajay Narayanan, BS, Dallas, TX; Ahana Yogesh, BA, Dallas, TX; Ron B. Mitchell, MD, Dallas, TX; Romaine F. Johnson, MD, Dallas, TX

2:32
Ketorolac Usage in Perioperative Tonsillectomy and Uvulopalatopharyngoplasty
Kathleen E. McClain, DO, Detroit, MI; Amy M. Williams, PhD, Detroit, MI; Zaahir Turfe, MD, Detroit, MI; Kathleen L. Yaremchuk, MD, Detroit, MI

2:39
Rare Electrosurgical Complications during Tonsillectomy: Analysis of National Adverse Event Reporting
Alisa Yamasaki, MD, Boston, MA; Neil Bhattacharyya, MD, Boston, MA

2:46
The Use of Peer Tympanic Membrane Photographs in Preclinical Otoscopy Training
Amir A. Hakimi, BS, North Chicago, IL; David S. Foulad, MD, Loma Linda, CA

2:53
Mohamedkazim M. Alwani, MD, Indianapolis, IN; Michael K. Larsen, BA, Indianapolis, IN; Elhaam H. Bandali, MS, Indianapolis, IN; Taha Z. Shipchandler, MD, Indianapolis, IN; Jonathan Ting, MD, Indianapolis, IN

3:00
Do Standardized Letters of Recommendation Forms in Otolaryngology Residency Applications Correlate with Objective Data?
Alice L. Tang, MD, Cincinnati, OH; Javier V. Howard, BA, Cincinnati, OH; James C. Wang, MD PhD, Cincinnati, OH; Meredith E. Tabangin, MPH, Cincinnati, OH; Mekibib Altaye, PhD, Cincinnati, OH; Sarah L. Rohde, MD, Nashville, TN

3:05
Q&A

3:10 - 3:30
Break/View Posters - Ballroom
3:30 - 4:40 - GENERAL SESSION - CROWN ROOM

3:30 - 4:30   MILITARY MEDICAL PANEL: DEPARTMENT OF DEFENSE RESEARCH AND INNOVATION FROM THE BATTLEFIELD TO THE BEDSIDE
Moderators:  Michael E. Hoffer, MD, CAPT (ret) MC USN, Miami, FL
             Earl H. Harley, MD, CAPT (ret) MC USN, Washington, DC
Panelists:   Optimizing Warfighter Performance: A DoD Clinical and Operational Research Update
             LaKeisha Henry, COL MC USAF, Division Chief, DoD Hearing Center of Excellence, San Antonio, TX
             Tanisha Hammill, PhD, Branch Chief, DoD Hearing Center of Excellence, San Antonio, TX
             Acquired Olfactory Sensory Losses and Potential Therapeutic Role for Basal Stem Cells
             Bradley J. Goldstein, MD PhD FACS, University of Florida, Miami, FL
             A Rabbit Model for Airway Stenosis and Treatment with Fractionated CO2 Laser
             Philip A. Gaudreau, MD LCDR MC USN, Assistant Chair, Department of Otolaryngology, Naval Medical Center, San Diego
             En Route Care of the Battlefield Casualty
             Guillermo J. Tellez, COL MC USAF, Command Surgeon, United States Southern Command, Miami, FL

4:30   Q&A

4:45   ADJOURN SESSION

5:00 - 6:15   MEET THE AUTHORS POSTER RECEPTION - for all attendees - Ballroom

6:15 - 7:30   PARTY - for all attendees - Ballroom
               Buffett, beverages, and fun
Allergy/Rhinology

1. The Use of Diagnostic Imaging to Detect Intracranial Tumors in Idiopathic Olfactory Dysfunction: A Systematic Review
   Jack L. Birkenbeuel, BS, Irvine, CA; Dillon C. Cheung, BS, Irvine, CA; Ronald Sahyouni, PhD, Irvine, CA; Janice T. Chua, BA, Irvine, CA; Joseph Ai Choy, BS, Irvine, CA; Edward C. Kuan, MD MBA, Irvine, CA

2. Functional Endoscopic Sinus Surgery and Sleep Outcomes in OSA Patients: A Systematic Review with Meta-Analysis
   Joshua B. Calton, BS, Oakland, CA; Megan L. Durr, MD FACS, Oakland, CA; Jonathan Liang, MD FARS FACS, Oakland, CA

3. Misdiagnosis of Rhinosinusitis in Primary Care: If not Chronic Rhinosinusitis, Do Patients Have Acute Rhinosinusitis?
   Joshua B. Calton, BS, Oakland, CA; Christopher C. Xiao, MD, Oakland, CA; Mitchell Anderson, MS, Oakland, CA; Jonathan Liang, MD FACS FARS, Oakland, CA

4. Spontaneous Involution of Juvenile Nasopharyngeal Angiofibromas: A Systematic Review
   Janice T. Chua, BA, Irvine, CA; Joseph A. Choy, BS, Irvine, CA; Jack L. Birkenbeuel, BS, Irvine, CA; Dillon C. Cheung, BS, Irvine, CA; Edward C. Kuan, MD MBA, Irvine, CA; Naveen D. Bhandarkar, MD, Irvine, CA

5. Intraoperative Detection and Management of Internal Carotid Artery Thrombosis during Transsphenoidal Resection of Meningioma
   Alhasan N. Elghouche, MD MS, Indianapolis, IN; Shaheryar Ansari, MD, Indianapolis, IN; Mitesh V. Shah, MD, Indianapolis, IN; Jonathan Y. Ting, MD, Indianapolis, IN

6. Transnasal Approach to Odontoid Resection in Pediatric Patients: A Single Institution’s Experience
   John D. Gettelfinger, MD, Indianapolis, IN; Jonathan Y. Ting, MD, Indianapolis, IN; Daniel H. Fulkerson, MD, South Bend, IN; Stephen K. Mendenhall, MD, Indianapolis, IN

7. Frailty as a Predictor of Short Term Outcomes and Cost of Care in Sinonasal Cancer Surgery
   Alexander N. Goel, BA, Los Angeles, CA; Jivianne T. Lee, MD, Los Angeles, CA; Marilene B. Wang, MD, Los Angeles, CA; Jeffrey D. Suh, MD, Los Angeles, CA

8. Characterization of Sinus Disease in Patients with Yellow Nail Syndrome
   Claudia N. Gutierrez, MS, Rochester, MN; Christopher M. Low, MD, Rochester, MN; Janalee K. Stokken, MD, Rochester, MN; Garret W. Choby, MD, Rochester, MN; Erin K. O’Brien, MD, Rochester, MN

9. Geographic Variation in Epistaxis Interventions among the Medicare Population
   Kevin Hur, MD, Los Angeles, CA

10. Graduated Approach for Resection of Large Paranasal Sinus Osteomas with Orbital Involvement
    Qasim Husain, MD, Boston, MA; Catherine G. Banks, MD, Boston, MA; George A. Scangas, MD, Boston, MA; Ralph B. Metson, MD, Boston, MA

11. Socioeconomic and Demographic Determinants of Outcomes after Endoscopic Sinus Surgery
    Aria Jafari, MD, San Diego, CA; Sarek A. Shen, BS, San Diego, CA; John Pang, MD, San Diego, CA; Adam S. DeConde, MD, San Diego, CA
12. **Translation, Cross-Cultural Adaptation, Statistical Validation of the Sino-Nasal Outcome Test-22 to Kenyan Swahili**  
Aria Jafari, MD, San Diego, CA; Sarek A. Shen, BS, San Diego, CA; Bharat A. Panuganti, MD, San Diego, CA; Bruce H. Campbell, MD, Milwaukee, WI; Henry N. Ngoitsi, MMED, Eldoret, UasinGishu Kenya; Adam S. DeConde, MD, San Diego, CA

13. **Trends in Endoscopic Sinus Debridement in the Medicare Population: We Do A Lot. More Than We Should?**  
Rijul S. Kshirsagar, MD, Oakland, CA; Jonathan N. Liang, MD, Oakland, CA

14. **Endoscopic, Transoral Retrieval of Infratemporal Fossa Foreign Bodies**  
Ashton E. Lehmann, MD, Boston, MA; George A. Scangas, MD, Boston, MA; Ralph Metson, MD, Boston, MA

15. **Is Chronic Sphenoid Sinusitis Associated with Pneumonia?**  
Robert A. McQuitty, BS, Galveston, TX; Roger D. Rui, BS, Galveston, TX; Mohamad R. Chaaban, MD MSCR MBA, Galveston, TX

16. **Optical Coherence Tomography of Upper Respiratory Cilia**  
Tiffany T. Pham, MS, Irvine, CA; Lily Y. Chen, BS, Irvine, CA; Andrew E. Heidari, PhD, Irvine, CA; Naveen D. Bhandarkar, PhD, Irvine, CA; Zhongping Chen, PhD, Irvine, CA; Brian J.F. Wong, MD PhD, Irvine, CA

17. **Association between Objective Anosmia and Depression in Adults**  
Jamaluddin J. Qazi, BS, Charlottesville, VA; Jose L. Mattos, MD MPH, Charlottesville, VA (Presenter); Ian T. Churnin, MD, Charlottesville, VA; James H. Wilson, BS, Charlottesville, VA; Cyrelle-Elize R. Fermin, BS, Charlottesville, VA; Spencer C. Payne, MD, Charlottesville, VA

18. **Transient Abducens Nerve Palsy after Regional Anesthesia Following Endoscopic Sinus Surgery**  
Robert Saddawi-Konefka, MD PhD, San Diego, CA; Aria Jafari, MD, San Diego, CA; Adam S. DeConde, MD, San Diego, CA

19. **Differences in Clinical Presentation of Chronic Rhinosinusitis in Pediatric Patients with Cystic Fibrosis Based on Severity of Disease**  
Gopi B. Shah, MD MPH, Dallas, TX; Ramya K. Krothapally, BA, Dallas, TX; Ashleigh A. Halderman, MD, Dallas, TX

20. **Effects of Eosinophilia and Nasal Polyposis on Quality of Life in Chronic Rhinosinusitis Patients with Concurrent Asthma**  
Sandra Y. Tadros, BS, Augusta, GA; Aykut A. Unsal, DO, Augusta, GA; Thomas W. Holmes, MD, Augusta, GA; Stilianos E. Kountakis, MD PhD, Augusta, GA

21. **Preventing Restenosis of Marsupialized Rathke’s Cleft Cysts Using a Nasoseptal Flap Lining**  
Monica S. Trent, BS, Irvine, CA; Neil N. Luu, BA, Philadelphia, PA; Edward C. Kuan, MD MBA, Philadelphia, PA; Michael A. Kohanski, MD PHD, Philadelphia, PA; Charles C. Tong, MD, Philadelphia, PA; Bert W. O’Malley Jr., MD, Philadelphia, PA

22. **Gender and Chronic Rhinosinusitis: An Investigation of Subtypes and Quality of Life**  
Aykut A. Unsal, DO MS, Augusta, GA; Sandra Y. Tadros, BS, Augusta, GA; Thomas W. Holmes, MD, Augusta, GA; Stilianos E. Kountakis, MD PhD, Augusta, GA
23. **Predictive Value of Olfactory Deficit for Future Cognitive Decline in Healthy Adults: A Systematic Review**
Melina J. Windon, MD, Baltimore, MD; Sun Joo Kim, BS, Baltimore, MD; Esther Oh, MD PhD, Baltimore, MD; Sandra Lin, MD, Baltimore, MD

**Facial Plastic & Reconstructive**

24. **Chondrosarcoma of the Mandibular Coronoid Process with Custom PEEK Implant and Radial Forearm Free Flap Reconstruction**
Benjamin F. Bitner, BS, Irvine, CA; Beverly Y. Wang, MD, Irvine, CA; Tjoson Tjoa, MD, Irvine, CA

25. **Association between Preoperative Serum Albumin Levels and Complications Following Free Flap Procedures**
Chris B. Choi, BA, Newark, NJ; Michael W. Song, BA, Newark, NJ; Richard D. Bavier, BA, Newark, NJ; Soly Baredes, MD FACS, Newark, NJ; Richard C. Park, MD FACS, Newark, NJ

26. **Surgical Reconstruction of Acquired Cocaine Induced Cleft Lip, a Case Report**
David W. Chou, MD, Oakland, CA; Charles W. Shih, MD, Oakland, CA

27. **Regenerative Implications of Priming Stimuli on the Peripheral Nervous System**
Michael S. Chow, BS, Los Angeles, CA; Sanjana Ahsan, BA, Los Angeles, CA; Kyohei Itamura, BS, Los Angeles, CA; David D. Lam, BS, Los Angeles, CA; Joseph T. Rodgers, PhD, Los Angeles, CA; Amit Kochhar, MD, Los Angeles, CA

28. **Rate and Factors Associated with Change in Surgeon for Revision Septorhinoplasty**
Kayva Crawford, MD, San Diego, CA; Bharat Panuganti, MD, San Diego, CA; Brittany N. Burton, MHS MAS, San Diego, CA; Aria Jafari, MD, San Diego, CA; Deborah Watson, MD, San Diego, CA

29. **Delayed Facial Palsy Associated with Polytetrafluoroethylene Granuloma: A Late Consequence of Microvascular Decompression**
Adeeb Derakhshan, MD, Boston, MA; Jenny X. Chen, MD, Boston, MA; Jacqueline J. Greene, MD, Boston, MA; Nate Jowett, MD, Boston, MA; Tessa A. Hadlock, MD, Boston, MA

30. **Role of Mobile Health on Patient Enrollment for Cleft Lip Palate Surgery: A Comparative Study Using SMS Blast Text Messaging in Zimbabwe**
Shekhar K. Gadkaree, MD, Boston, MA; Jennifer C. Fuller, MD, Boston, MA; Travis T. Tollefson, MD, Sacramento, CA; Faith C. Muchemwa, MBChB PhD, Harare, Zimbabwe; Aleck Gonga, MBChB, Harare, Zimbabwe; David A. Shaye, MD, Boston, MA

31. **Assessing Patient Satisfaction in Hair Restoration Surgery: Opportunities to Improve**
Amir A. Hakimi, BS, North Chicago, IL; Jonathan P. Yasmeh, MS, Los Angeles, CA; Benjamin D. Boodaie, BS, New York, NY; David S. Foulad, MD, Loma Linda, CA

32. **Economic Impact of a Facial Plastic and Reconstructive Surgeon: The Case Mix Index**
Nikolaus S. Hjelm, MD, Philadelphia, PA; Akshay Sanan, MD, Stanford, CA; Howard D. Krein, MD PHD, Philadelphia, PA; Ryan N. Heffelfinger, MD, Philadelphia, PA

33. **Electrochemolysis of Human Adipose Tissue**
Dana M. Hutchison, MS, Irvine, CA; Melissa Bircan, , Irvine, CA; Tiffany T. Pham, MS, Irvine, CA; Yueqiao Qu, PhD, Irvine, CA; Mark R. Kobayashi, MD, Irvine, CA; Brian J.F. Wong, MD PhD, Irvine, CA
34. Correlating Gene Methylation and MicroRNA Function in Keloid Pathogenesis
Joanna Kam, MD, Detroit, MI; Laura Garcia-Rodriguez, MD, Detroit, MI; Indrani Datta, MS, Detroit, MI; George Divine, PhD, Detroit, MI; Maria J. Worsham, PhD, Detroit, MI; Lamont R. Jones, MD MBA, Detroit, MI

35. Simultaneous Maxillary and Mandibular Reconstruction with a Single Osteocutaneous Fibular Free Flap: A Case Series
Natalie A. Krane, MD, Portland, OR; Adam P. Fagin, DMD MD, Portland, OR; Tamer A. Ghanem, MD PhD, Detroit, MI; Steven B. Cannady, MD, Philadelphia, PA; Daniel I. Petrisor, DMD MD, Portland, OR; Mark K. Wax, MD, Portland, OR

36. Facial Artery Musculomucosal Flap for Nasopharyngeal Reconstruction and Velopharyngeal Insufficiency
Elizabeth A. Mannino, BS, Norfolk, VA; Benjamin J. Rubinstein, MD, Norfolk, VA; Eric J. Dobratz, MD, Norfolk, VA

37. Comparison of Outpatient vs. Inpatient Orbital Fracture Repair: A NSQIP Analysis
Parsa P. Salehi, MD, New Haven, CT; Sina J. Torabi, BA, New Haven, CT; Yan H. Lee, MD, New Haven, CT

38. Postoperative Pain and Opioid Need after Facial Mohs Defect Reconstruction
Arron M. Cole, MD, New York, NY; Anthony P. Sclafani, MD, New York, NY

39. Optical Coherence Tomography Imaging of the Internal Nasal Valve during Inspiration: Correlation of Cross-Sectional Area and Intranasal Pressure
Giriraj K. Sharma, MD, Irvine, CA; Tuan Ngo, BS, Irvine, CA; Christopher Badger, BS, Irvine, CA; Prem B. Tripathi, MD MPH, Irvine, CA; Zhongping Chen, PhD, Irvine, CA; Brian J.F. Wong, MD PhD, Irvine, CA

40. Safety and Efficacy of MRI Scanning in Patients with Implanted Microvascular Coupling Devices
William W. Thomas, MD, Portland, OR; Neelam Phalke, MD, Baton Rouge, LA; James Azzi, MD, Portland, OR; Ryan J. Li, MD, Portland, OR; Daniel Petrisor, DMD MD, Portland, OR; Mark K. Wax, MD, Portland, OR

41. Incidence of Delayed Surgery and Predicting Factors for Adverse Events in Elective Maxillofacial Fracture Repair
Sina J. Torabi, BA, New Haven, CT; Jonathan M. Avery, BS, New Haven, CT; Yan H. Lee, MD, New Haven, CT

42. Venous Flow Coupler in Head and Neck Free Flap Reconstruction
Scott H. Troob, MD, New York, NY; Quinn Self, MD, Burlington, VT (Presenter); James Azzi, MD, Palm Beach, FL; William W. Thomas, MD, Portland, OR; Daniel I. Petrisor, MD DDS, Portland, OR; Mark K. Wax, MD, Portland, OR

43. Anatomic Optical Coherence Tomography (aOCT) for Evaluation of the Internal Nasal Valve: A Cadaveric Study
Candace Mitchell Waters, MD, Chapel Hill, NC; William W. Shockley, MD, Chapel Hill, NC; J. Madison Clark, MD FACS, Chapel Hill, NC

44. Comparing Caliper versus CT Measurements of Cephalic Index in Children with Craniosynostosis
Grace T. Wu, MD, Syracuse, NY; Jason R. Audlin, MD, Syracuse, NY; Jeewanjot S. Grewal, BS, Syracuse, NY; Sherrard A. Tatum, MD, Syracuse, NY

45. The Case of the Eyelid Silicone Granulomas
Jacqueline A. Wulu, MD, Boston, MA; Laura R. Garcia-Rodriguez, MD, Boston, MA; Jeffrey H. Spiegel, MD, Boston, MA
46. Septorhinoplasty and Endoscopic Sinus Combination Surgery: Surgical Characteristics, Demographics, Charge, and OR Time Comparisons
Yanchen Zhang, BA, Los Angeles, CA; Amit Kochhar, MD, Los Angeles, CA; Laurel Fisher, PhD, Los Angeles, CA; Patrick Byrne, MD, Baltimore, MD; Stephanie Smith, MD, Chicago, IL; Elisabeth Ference, MD, Los Angeles, CA

General
47. Socioeconomic Status and Otolaryngology Disease Factors on CPAP Compliance
Eric H. Abello, BS, Chicago, IL; Abdul Basit, MS, Chicago, IL; Alexandra C. Lastra, MD, Chicago, IL; Mahboobeh Mahdavinia, MD, Chicago, IL; Jill S. Jeffe, MD, Chicago, IL; Philip S. Losavio, MD, Chicago, IL

48. Multicenter Validation of a Tracheostomy Care Teaching Program for Internal Medicine Residents
Ashwin Ananth, MD MBA, New Orleans, LA; Jeremy Barr, BS, New Orleans, LA; Gabriella Frisenda, BS, New Orleans, LA; Edward D. McCoul, MD MPH, New Orleans, LA

49. Upper Airway Stimulation Therapy and Sleep Architecture in Patients with Obstructive Sleep Apnea
Dominique Bohorquez, BA, Philadelphia, PA; Ahmad F. Mahmoud, MD, Philadelphia, PA; Jason L. Yu, MD, Philadelphia, PA; Erica R. Thaler, MD, Philadelphia, PA

50. Where Do Nasal Mesenchymal-like Stem Cells Reside in vivo?
Rhea Choi, BA, Miami, FL; Michael A. Durante, BA, Miami, FL; Garrett M. Goss, BA, Miami, FL; Zukaa B. Sargi, MD, Miami, FL; Bradley J. Goldstein, MD PhD, Miami, FL

51. Assessing Clinical Practice Guideline Compliance for Evaluation and Management of Idiopathic Sudden Sensorineural Hearing Loss
Christopher O. DaSilva, BS, Chicago, IL; Benjamin D. Malkin, MD, Oakland, CA

52. Cytomegalovirus Legislation Update: Implications for Pediatric Hearing Loss Prevention
Yalda Dehghan, BA, La Jolla, CA; Sapideh Gilani, MD FACS, San Diego, CA

53. Palliative Care in Head and Neck Squamous Cell Carcinoma: Are the Most Common Treatments Improving Survival?
Marcus L. Elias, BS, Newark, NJ; Joseph S. Weisberger, MS, Newark, NJ; Richard D. Bavier, BA, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard Chan Woo Park, MD, Newark, NJ

54. High Volume Surgeons Have Lower Complication Rates for Thyroidectomy
Antoinette R. Esce, BA, Rochester, NY; Paul D. Allen, PhD, Rochester, NY; Alexis M. Strohl, MD, Rochester, NY

55. The Role of Safety Net Hospitals in Otolaryngology Residency
Annie N. Farrell, BS, Atlanta, GA; Charles E. Moore, MD, Atlanta, GA; Anita B. Sethna, MD, Atlanta, GA; Oswaldo A. Henriquez, MD, Atlanta, GA

56. Electronic Consults (eConsults) in Otolaryngology: A Retrospective Review of Use, Content, and Outcomes in an Academic Health System
Sapideh Gilani, MD, San Diego, CA; Krishna K. Bommakanti, BA, San Diego, CA (Presenter)
57. The Impact of Medical Scribes on Patient Satisfaction in an Academic Otolaryngology Clinic
Katherine R. Keefe, BA, Boston, MA; Jessica R. Levi, MD, Boston, MA; Christopher D. Brook, MD, Boston, MA

58. Consideration of Mononucleosis in Diagnosis and Treatment of Peritonsillar Abscess
Kevin J. Kovatch, MD, Ann Arbor, MI; S. Ahmed Ali, MD, Ann Arbor, MI; Joshua D. Smith, BS, Ann Arbor, MI; Emily L. Bellile, MS, Ann Arbor, MI; John E. Hanks, MD, Ann Arbor, MI; Paul T. Hoff, MD, Ann Arbor, MI

59. Practice Patterns of Antireflux Medication Prescriptions in Otolaryngology Compared to Other Specialties
Friederike S. Luetzenberg, BS, Orlando, FL; Nancy Jiang, MD, Oakland, CA

60. Surgical Outcomes and Quality of Life Changes Following a Spectrum of Head and Neck Surgeries in a Resource Limited Setting
Bharat A. Panuganti, MD, San Diego, CA; Aria Jafari, MD, San Diego, CA; Henry N. Ngoitisi, MMED, Eldoret, NA Kenya; Bruce H. Campbell, MD, Milwaukee, WI; Susan R. Cordes, MD, Ukiah, CA

61. Development of a Validated Assessment of Patient Reported Outcomes Following Sialendoscopy for Management of Chronic Sialadenitis
Fatemeh Ramazani, BMSc, Edmonton, AB Canada; Amr F. Hamour, MD, Toronto, ON Canada; Caroline C. Jeffrey, MD, Edmonton, AB Canada; Vincent L. Biron, MD, Edmonton, AB Canada; Yaser A. Alrajhi, MD, Edmonton, AB Canada; David W.J. Cote, MD, Edmonton, AB Canada

Head & Neck

62. Insurance Status Effect on Laryngeal Cancer Survival
Nicholas B. Abt, MD, Boston, MA; Anuraag S. Parikh, MD, Boston, MA; Neil Bhattacharyya, MD, Boston, MA

63. Risks of Thyroidectomy after Indeterminate Fine Needle Aspiration
Richard D. Bavier, BA, Newark, NJ; Sana H. Siddiqui, BA, Newark, NJ; Jesse Veisblatt, BA, Newark, NJ; Soly Baredes, MD FACS, Newark, NJ; Richard Chan Woo Park, MD FACS, Newark, NJ

64. Under-Utilization of Treatment in Elderly Patients with Oropharynx Cancer
Elaine O. Bigelow, MD, Baltimore, MD; Carole Fakhry, MD MPH, Baltimore, MD; Karen T. Pitman, MD, Baltimore, MD; Wayne M. Koch, MD, Baltimore, MD; David W. Eisele, MD, Baltimore, MD; Christine G. Gourin, MD MPH, Baltimore, MD

65. Effect of Medical Comorbidities on Treatment Regimen and Survival Outcomes in Locally Advanced Laryngeal Cancer
Craig A. Bollig, MD, Columbia, MO; Jumah G. Ahmad, BS, Columbia, MO; Laura M. Dooley, MD, Columbia, MO

66. Cesium-131 Brachytherapy for Patients Unable to Tolerate External Beam Radiation Therapy: A Case Series
Jonathan D. Bornstein, BA, Philadelphia, PA; Michael Zhao Cheng, BS, New York, NY (Presenter); Andi J. Cummins, BS, Cleveland, OH; Voika Bar-Ad, MD, Philadelphia, PA; David I. Kutler, MD, New York, NY; Adam J. Luginbuhl, MD, Philadelphia, PA; Chad A. Zender, MD, Cleveland, OH
67. Adjuvant Radiation for Head and Neck Malignant Paragangliomas Is Associated with Improved Survival Outcomes: Analysis of the SEER Database
Richard B. Cannon, MD, Salt Lake City, UT; Luke O. Buchmann, MD, Salt Lake City, UT; Jason P. Hunt, MD, Salt Lake City, UT; Shane Lloyd, MD, Salt Lake City, UT; Ying J. Hitchcock, MD, Salt Lake City, UT; Marcus M. Monroe, MD, Salt Lake City, UT

68. Predictors of Recurrence in T1 and T2 Oral Tongue Squamous Cell Carcinoma
Benjamin J. Damazo, MD, Loma Linda, CA; Yuan F. Liu, MD, Loma Linda, CA; Jared C. Inman, MD, Loma Linda, CA; Jason E. Gilde, MD, Loma Linda, CA; Daniel I. Kwon, MD, Loma Linda, CA; Pedro F. De Andrade, MD, Loma Linda, CA

69. Determination of Micrometastasis in PET Negative Neck Nodes Primarily Treated with Radical CTRT for Pharyngeal and Laryngeal Lesions: A Retrospective Analysis
Somdipto B. Das, MD, Los Angeles, CA; Niels C. Kokot, MD FACS, Los Angeles, CA; Uttam K. Sinha, MD FACS, Los Angeles, CA; Mark S. Swanson, MD, Los Angeles, CA

70. Presumed Diagnosis of Branchial Cleft Cysts Leads to Delayed Recognition of Metastatic HPV Positive Oropharyngeal Squamous Cell Carcinoma
Ruth J. Davis, MD, Baltimore, MD; Eleni M. Rettig, MD, Rochester, MN; Nafi Aygun, MD, Baltimore, MD; David W. Eisele, MD, Baltimore, MD; Carole Fakhry, MD MPH, Baltimore, MD

71. A Low Cost High Fidelity Model for Training Peritonsillar Abscess Drainage
Aaron J. Done, PhD, Tucson, AZ; Marshall J. Fairres, BS, Tucson, AZ; Cody J. Smith, BS, Tucson, AZ; Shawn M. Stevens, MD, Phoenix, AZ

72. Characterizing Posterior Neck Masses: A Single Institution Retrospective and Systematic Review
Andrey Finegersh, MD PhD, San Diego, CA; William Moss, MD, San Diego, CA; Danielle Gillard, BS, San Diego, CA; Kevin Brumund, MD, San Diego, CA; Charles Coffey, MD, San Diego, CA; Ryan Orosco, MD, San Diego, CA

73. First Line Surgery Is Associated with Improved Survival among Patients with Locoregionally Advanced Hypopharyngeal Squamous Cell Carcinoma: An Evaluation of SEER Data
Colleen G. Hochfelder, BS, Bronx, NY; Vikas Mehta, MD, Bronx, NY; Aileen P. McGinn, PhD, Bronx, NY; Thomas J. Ow, MD, Bronx, NY

74. The Determinants of Overall Survival in Head and Neck Cancer: The Interaction of Charlson Comorbidity Index, Socioeconomic Factors, and Race
Ayaka J. Iwata, MD MS, Detroit, MI; Amy M. Williams, PhD, Detroit, MI; Meredith G. Van Harn, MS, Detroit, MI; Steven S. Chang, MD, Detroit, MI

75. Head and Neck Juxtacortical Chondrosarcoma: A Case Report and Systematic Review
Alexander J. Jones, BS, Indianapolis, IN; Mohamedkazim Alwani, MD, Indianapolis, IN; Don-John Summerlin, DMD, Indianapolis, IN; Michael W. Sim, MD, Indianapolis, IN

76. Impact of High Volume Centers in TORS for Oropharyngeal Squamous Cell Carcinoma
Suat Kilic, MD, Cleveland, OH; Sarah S. Kilic, MD, Cleveland, OH; Meghan M. Crippen, MD, Philadelphia, PA; Jean Anderson Eloy, MD, Newark, NJ

77. Intratracheal Ectopic Parathyroid: An Unexpected Diagnosis
Susan J. Kurian, MD, Shreveport, LA; Mingxia M. Shi, MD, Shreveport, LA; Monsour L. Mirmafkhrhrae, MD, Shreveport, LA; Cherie-Ann O. Nathan, MD FACS, Shreveport, LA
78. Lymph Node Metastasis Patterns in Soft Palate Squamous Cell Carcinoma: A Population Based Analysis
Jingfeng Liang, BA, Los Angeles, CA; Albert Y. Han, MD PhD, Los Angeles, CA; Christine M. Kim, MD, Los Angeles, CA; Maie St. John, MD PhD, Los Angeles, CA

79. Recurrent Laryngeal Nerve Paralysis after Total Thyroidectomy in Commercially Insured Patients
Ioan A. Lina, MD, Baltimore, MD; Hsien-Yen Chang, PhD, Baltimore, MD; Jonathon Russell, PhD, Baltimore, MD; Ralph Tufano, MD, Baltimore, MD; David Eisele, MD, Baltimore, MD

80. Intramuscular Myxoma Mistaken for Vagal Nerve Schwannoma: A Case Report
Brian F. Manzi, MD, Shreveport, LA; Cherie-Ann A. Nathan, MD, Shreveport, LA

81. NK-T Cell Lymphoma of the Soft Palate
Jacqueline Joy Masehi-Lano, BS, San Francisco, CA; Christopher G. Tang, MD, San Francisco, CA (Presenter)

82. Delayed Recurrence of Metastatic Testicular Teratoma in the Neck
Thomas H. McMullen, BS, Shreveport, LA; Cherie-Ann O. Nathan, MD, Shreveport, LA

83. Rigid Tracheostomy Tubes and Cutaneous Ulceration: An Institutional Review across Multiple Surgical Services
Catherine M. Merna, MD, Irvine, CA; Daniel L. Diaz-Aguilar, MD, San Diego, CA; Tjoson T. Tjoa, MD, Irvine, CA

84. A Novel Technique for Tracheal Resection and Reconstruction
Margaret C. Michel, BS, Washington, DC; Sahil P. Patel, BA, Washington, DC; Daniel A. Benito, MD, Washington, DC; Sean B. Bury, MD, Washington, DC; Punam G. Thakkar, MD, Washington, DC; Arjun S. Joshi, MD, Washington, DC

85. Oral Cavity Squamous Cell Carcinoma as a Complication of Treatment for Recurrent Ovarian Cancer
Lindsey E. Moses, MD, New York, NY; Janine M. Rotsides, MD, New York, NY; Fiyinfolu O. Balogun, MD, New York, NY; Mark S. Persky, MD, New York, NY; Franco M. Muggia, MD, New York, NY; Michael J. Persky, MD, New York, NY

86. Floral Variant Follicular Lymphoma of the Oropharynx
Kelly F. Moyer, MD, Washington, DC; Christopher P. Mesick, MD, Washington, DC

87. Obstructive Pyriform Sinus Lipoma Excised with CO2 Laser
Kelly F. Moyer, MD, Washington, DC; Matthew L. Pierce, MD, Washington, DC; Sarah K. Rapoport, MD, Washington, DC

88. Primary Clear Cell Adenocarcinoma of the Head and Neck: A Population Based Analysis
Laith A. Mukdad, BA, Los Angeles, CA; Albert Y. Han, MD PhD, Los Angeles, CA; Karam W. Badran, MD, Los Angeles, CA; Jose E. Alonso, MD, Los Angeles, CA; Maie A. St. John, MD PhD, Los Angeles, CA

89. Barriers to Thyroid Cancer Screening with Ultrasound in Patients with Familial Adenomatous Polyposis
Celeste Z. Nagy, MD, Atlanta, GA; Zachary A. Kelly, MD, Atlanta, GA; Steven A. Keilin, MD, Atlanta, GA; Field F. Willingham, MD MPH, Atlanta, GA; Amy Y. Chen, MD MPH, Atlanta, GA
90. The Role of Palliative/Curative Reirradiation in Persistent and Recurrent Head and Neck Squamous Cell Carcinoma
Hassan B. Nasser, MD, Los Angeles, CA; Kelly J. Pettijohn, MD, Los Angeles, CA; William C. Lorentz, MD, Los Angeles, CA; Vishad Nabili, MD, Los Angeles, CA; Marilene B. Wang, MD, Los Angeles, CA

91. Decreasing Pharyngocutaneous Fistula with Use of Fibrin Tissue Adhesive
Jaime J. Park, BA, Loma Linda, CA; Crystal H. Chang, BS, Loma Linda, CA; Khan K. Nguyen, MD, Loma Linda, CA; Daniel I. Kwon, MD, Loma Linda, CA

92. Development of Ultrasound Induced Acoustic Imaging for Locating Tissue Boundaries
Peter A. Pellionisz, BS, Los Angeles, CA; Nikan K. Namiri, BS, Los Angeles, CA; Gregory M. Suematsu, BS, Los Angeles, CA; Yong Hu, PhD, Los Angeles, CA; Maie A. St. John, MD, Los Angeles, CA; Warren S. Grundfest, MD, Los Angeles, CA

93. Giant Sized Periosteal Osteosarcoma of the Head and Neck: Case Report and Literature Review
Peter A. Pellionisz, BS, Los Angeles, CA; Brooke M. Su, MD MPH, Los Angeles, CA; Keith E. Blackwell, MD, Los Angeles, CA; Maie A. St. John, MD PhD, Los Angeles, CA

94. Outcomes Associated with Hurthle Cell Neoplasm on Fine Needle Aspiration of Thyroid Nodules
Cyrus C. Rabbani, MD, Indianapolis, IN; Henna D. Patel, BS, Indianapolis, IN; Michael W. Sim, MD, Indianapolis, IN

95. Prior Radiation Exposure Alters Airway Deformation during Laryngoscopy
Christiaan A. Rees, PhD, Hanover, NH; Joseph A. Paydarfar, MD, Lebanon, NH (Presenter); Xiaotian Wu, BE, Hanover, NH; Eric A. Eisen, MD, Hanover, NH; David A. Pastel, MD, Lebanon, NH; Ryan J. Halter, PhD, Hanover, NH

96. Use of Dental Extraction and Nonsurgical Airway Management in Early Cervical Necrotizing Fasciitis: A Report of 5 Cases
John P. Richards, MD, Tucson, AZ; Jonathan N. Young, MD, Tucson, AZ

97. Autonomous Computed Guided Robotic Resection for Oropharyngeal Carcinoma: An Experimental Protocol
Hamed Saeidi, PhD, College Park, MD; Margaret Michel, BS, Washington, DC (Presenter); Justin Opfermann, PhD, Washington, DC; Jiawei Ge, MS, College Park, MD; Axel Krieger, PhD, College Park, MD; Arjun Joshi, MD, Washington, DC

98. Understanding Giant Cell Sarcoma of the Head and Neck: A Population Based Study
Rohan Sawhney, BA, Newark, NJ; Neel R. Sangal, BA, Newark, NJ; Lena A. Sheorey, BS, Newark, NJ; Soly Baredes, MD FACS, Newark, NJ; Richard Chan Woo Park, MD FACS, Newark, NJ

99. Management of Giant Hemifacial Plexiform Neurofibroma in a Resource Limited Setting
Sarek Alexander Shen, BS, La Jolla, CA; Aria Jafari, MD, San Diego, CA; Bharat A. Panuganti, MD, San Diego, CA; David M. Chan, MD, San Diego, CA; Bruce H. Campbell, MD, Milwaukee, WI; Susan R. Cordes, MD, Ukiah, CA

100. Oculopharyngeal Muscular Dystrophy: A Rare Genetic Disorder
Rebekah C. Smith, BA, Los Angeles, CA; Christopher G. Tang, MD, San Francisco, CA
101. **Under-Utilization of Treatment in Elderly Patients with Laryngeal Cancer**
Kaitlyn F. Strickland, MD, Baltimore, MD; Carole Fakhry, MD MPH, Baltimore, MD; Karen T. Pitman, MD, Baltimore, MD; Wayne M. Koch, MD, Baltimore, MD; David W. Eisele, MD, Baltimore, MD; Christine G. Gourin, MD MPH, Baltimore, MD

102. **3D Exoscope vs Microscope for Microvascular Anastomosis: A not so Steep Learning Curve**
Warren C. Swegal, MD, Baltimore, MD; Suhael Momin, MD, Detroit, MI; Tamer Ghanem, MD PhD, Detroit, MI

103. **Demographic and Clinicopathologic Factors Impacting Nodal Involvement in Oral Cavity Cancers at Time of Diagnosis**
Eve C. Swirski, BA, Newark, NJ; Neel R. Sangal, BA, Newark, NJ; Richard Chan Woo Park, MD, Newark, NJ

104. **Supraclavicular Island Flap Used in the Surgical Repair of Tracheoesophageal Fistula and Esophageal Stricture**
John T. Symms, MD, Tucson, AZ; Audrey H. Baker, MD, Tucson, AZ; Samuel S. Kim, MD, Tucson, AZ

105. **Robot Assisted Sialolithotomy with Sialoendoscopy for Large Submandibular Gland Sialoliths: A Review of Safety, Efficacy and Cost**
Alex J.F. Tampio, MD, Syracuse, NY; Mark Marzouk, MBBCH, Syracuse, NY

106. **Submental Flap Practice Patterns and Complications: A Survey of AHNS Surgeons**
Liyang Tang, MD, Los Angeles, CA; Andrew T. Day, MD MPH, Dallas, TX; Daniel G. Deschler, MD FACS, Boston, MA; Urjeet Patel, MD, Chicago, IL; Kevin S. Emerick, MD, Boston, MA; Jeremy D. Richmond, MD, Boston, MA

107. **Outcomes of Single Stage Integra Graft Reconstruction of Scalp Defects after Oncologic Resection**
Vanessa F. Torrecillas, MD, Salt Lake City, UT; Jason P. Hunty, MD, Salt Lake City, UT; Luke O. Buchmann, MD, Salt Lake City, UT; Richard B. Cannon, MD, Salt Lake City, UT; Marcus M. Monroe, MD, Salt Lake City, UT

108. **Intraoperative Methylene Blue Use and Risk of Postoperative Complications in Head and Neck Microvascular Reconstruction**
Prem B. Tripathi, MD, Irvine, CA; Benjamin Bitner, BS, Irvine, CA; Govind Rajan, MD, Irvine, CA; Tjoson Tjoa, MD, Irvine, CA

109. **The Effects of Cervical Compression Garment Therapy on Symptomatic Laryngeal Edema in Head and Neck Cancer Patients Treated with Radiation: A Pilot Study**
Andrew G. Tritter, MD, Shreveport, LA; Patrick T. Spiller, BS, Shreveport, LA; Melanie L. Brown, CCC-SLP, Shreveport, LA; Paul M. Weinberger, MD, Shreveport, LA; Cherie-Ann O. Nathan, MD, Shreveport, LA

110. **Dyskeratosis Congenita: The Increased Risk of Early Development of Oral Squamous Cell Carcinoma**
Spencer D. Uetz, MS4, Grand Forks, ND; Alan W. Johnson, MD, Grand Forks, ND

111. **Unplanned Readmission after Total Laryngectomy**
Swar N. Vimawala, BS, Philadelphia, PA; Michael C. Topf, MD, Philadelphia, PA; Adam J. Luginbuhl, MD, Philadelphia, PA; Richard A. Goldman, MD, Philadelphia, PA; David M. Cognetti, MD, Philadelphia, PA; Joseph M. Curry, MD, Philadelphia, PA
112. Relationship of Mass and Volume of Parathyroid Adenoma with Parathyroid Hormone Levels
Emily L. Waddick, BS, Shreveport, LA; Rafay Q. Soleja, MD, Shreveport, LA; Ameya A. Asarkar, MD, Shreveport, LA; Tara N. Moore-Medlin, BS, Shreveport, LA; Cherie-Ann O. Nathan, MD FACS, Shreveport, LA

113. Core Needle Biopsy versus Fine Needle Biopsy in Salivary Glands: Complication Rate and Diagnostic Accuracy
Edward M. Walton, BS, Detroit, MI; Amy M. Williams, PhD, Detroit, MI; Iyaka J. Awata, MD MS, Detroit, MI; Steven S. Chang, MD, Detroit, MI; Christian E. Keller, MD, Detroit, MI

114. Different Approaches to Palliative Management of Thyroid Carcinomas
Joseph S. Weisberger, MS, Newark, NJ; Marcus L. Elias, BS, Newark, NJ; Chris B. Choi, BS, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard Chan
Woo Park, MD, Newark, NJ

115. Prognostic Value of T and N Stage in Advanced Cutaneous Squamous Cell Carcinoma of the Head and Neck
Angela W. Zhu, MPhil, Miami, FL; Samuel Trosman, MD, Miami, FL; Zoukaa Sargi, MD, Miami, FL

Laryngology/Bronchoesophagology

116. Burden of Allergic Disease and Laryngopharyngeal Reflux in Dysphonia Patients
Cynthia R. Duck, JD, Louisville, KY; Heather E. Lee, MD, Rochester, NY; Liz L. Cash, PhD, Louisville, KY; Kevin R. Potts, MD, Louisville, KY; Swapna K. Chandran, MD, Louisville, KY

117. Computational Fluid Dynamics Evaluation of Pediatric Laryngotracheal Stenosis
Michael E. Dunham, MD, New Orleans, LA; Tyler W. Crosby, MD, New Orleans, LA (Presenter); Keith A. Gonthier, PhD, Baton Rouge, LA; William J. Poynot, BS, Baton Rouge, LA

118. Laryngeal Blastomycosis in a Young Male with Cystic Fibrosis: A Case Report and Systematic Review of the Literature
Abhinav R. Ettyreddy, MD, Saint Louis, MO; Laura R. Marks, MD, St. Louis, MO; Joseph P. Bradley, MD, St. Louis, MO

119. Laryngeal Force Sensor Metrics Are Predictive of Increased Perioperative Narcotic Requirements
Allen L. Feng, MD, Boston, MA; Alex Ciaramella, BSc, Boston, MA; Shekhar K. Gadkaree, MD, Boston, MA; Iuliu Fat, MD, Boston, MA; Phillip C. Song, MD, Boston, MA

120. The Heterogeneity of the Location of Optimal Medialization in Type I Laryngoplasty
Mark R. Gilbert, MD, Nashville, TN; Sarah M. Tittman, MD, Nashville, TN; David O. Francis, MD MS, Madison, WI; Kimberly N. Vinson, MD, Nashville, TN; Alexander R. Gelbard, MD, Nashville, TN; C. Gaelyn Garrett, MD, Nashville, TN

121. Functional Total Laryngectomy: Impact on Quality of Life
Scott R. Hall, MD, Phoenix, AZ; Jeffrey C. Mecham, BS, Phoenix, AZ; David G. Lott, MD, Phoenix, AZ

122. The Laryngeal Tongue: A Case Report and Literature Review of Laryngeal Oncocytic Papillary Cystadenoma
William T. Hines, BS, Los Angeles, CA; William Z. Gao, MD, Los Angeles, CA; Chandnish Ahluwalia, MD, Los Angeles, CA; Michael Johns, MD, Los Angeles, CA
123. Hemi-Laryngopharyngeal Spasm (HELPS): Defining a New Clinical Entity
Amanda Hu, MD FRCSC, Vancouver, BC Canada; Murray D. Morrison, MD FRCSC, Vancouver, BC Canada; Christopher R. Honey, MD, DPhil, FRCSC, Vancouver, BC Canada

124. A Safe and Effective Management Algorithm for the Critical Airway Due to Acquired Tracheal Stenosis in Adults
Jacob B. Kahane, MD, Las Vegas, NV; Nathaniel Reeve, MD, Las Vegas, NV; Caleena Longworth, BS, Las Vegas, NV; Laruan Evans, BS, Las Vegas, NV; Robert C. Wang, MD, Las Vegas, NV

125. Is a Voice Specific Quality of Life Questionnaire more Predictive of Laryngoscopy/Stroboscopy Findings than Common Clinical Queries?
Elliana R. Kirsh, BM BS, Boston, MA; Thomas L. Carroll, MD, Boston, MA; Jennifer J. Shin, MD, Boston, MA

126. Systematic Review and Meta-Analysis of Surgery for Pediatric Laryngotracheal Stenosis
Nikita V. Kohli, MD, Brooklyn, NY; Hamid R. Arjomandi, MD, Brooklyn, NY; Richard M. Rosenfeld, MD, MPH, Brooklyn, NY; Joshua B. Silverman, MD PhD, New Hyde Park, NY

127. Endoscopic Findings in Prepubertal Boy Choir Singers
David R. Lee, MD, Cincinnati, OH; Barbara Weinrich, PhD, Cincinnati, OH; Wendy Leborgne, PhD, Cincinnati, OH; Stephanie Zacharias, PhD, Cincinnati, OH; Christopher Eanes, PhD, Cincinnati, OH; Alessandro De Alarcon, MD, Cincinnati, OH

128. Laryngeal Botox Injections for Treatment of Chronic Ulcerative Laryngitis
Sara W. Liu, MD, Cleveland, OH; Paul C. Bryson, MD, Cleveland, OH

129. The New Normal: Subjective Voice Measures Following Type I Thyroplasty in Patients with Unilateral Vocal Fold Motion Impairment
Emily C. Malik, MS CCC-SLP, Seattle, WA; Simon R. Brisebois, MD MSc, Sherbrooke, QC Canada (Presenter); Lisa A. D’Oley, MS CCC-SLP, Seattle, WA; Margaret M. Naunheim, MD, Seattle, WA; Albert L. Merati, MD, Seattle, WA

130. Management of a Laryngeal Venous Malformation via Nd:YAG Laser and Bleomycin Sclerotherapy
Sayan Manna, BS, New York, NY; Annika Meyer, MD, New York, NY; Alejandro Berenstein, MD, New York, NY; Mark Courey, MD, New York, NY

131. Role of Pepsin in Epithelia Mesenchymal Transition in Subglottic Stenosis
Alec J. McCann, BS, Milwaukee, WI; Tina L. Samuels, MS, Milwaukee, WI; Joel H. Blumin, MD, Milwaukee, WI; Nikki Johnston, PhD, Milwaukee, WI

132. A Patient with Two Tracheas? Transglottic Stenosis Diagnosed Intraoperatively: Case Report and Review of the Literature
Kevin A. Moore, MD, Shreveport, LA; Paul M. Weinberger, MD, Shreveport, LA

133. Evidence of Nonresponse to OnabotulinumtoxinA in Spasmodic Dysphonia Patients
Jamie L. Rashly, BS, Detroit, MI; Diana N. Kirke, MD, New York, NY; Andrew Blitzer, MD DDS, New York, NY

134. Transient Bilateral Vocal Fold Paralysis after Laryngeal Mask Airway
Saranya Raghunathan, MD, Cleveland, OH; William S. Tierney, MD MS, Cleveland, OH; Paul C. Bryson, MD, Cleveland, OH
135. Vocal Cord Paralysis Associated with Multiple Sclerosis
Maya M. Samman, San Francisco, CA; Christopher G. Tang, MD FACS, San Francisco, CA

136. Primary Herpes Simplex virus Supraglottitis Presenting as Acute Airway Obstruction: Report of a Case and Review of Literature
Sarek Alexander Shen, BS, La Jolla, CA; Aria Jafari, MD, San Diego, CA; Peter J. Martin, MD, San Diego, CA

137. Meige’s Syndrome and Respiratory Dystonia: A Clinical Overview and Case Series
William S. Tierney, MD, Cleveland, OH; Claudio F. Milstein, PhD, Cleveland, OH; Paul C. Bryson, MD, Cleveland, OH

Daniel P. Ballard, MD, Brooklyn, NY; Sandra H. Ho, MD, Brooklyn, NY; Alisa T. Timashpolsky, MD, Brooklyn, NY; Sujana S. Chandrasekhar, MD, New York, NY

139. Quality Improvement Initiative to Increase Access to Audiometry in the Emergency Department Setting
Eric R. Barbarite, MD, Boston, MA; Rebecca M. Lewis, AuD PhD, Boston, MA; Renata M. Knoll, MD, Boston, MA; Aaron K. Remenschneider, MD MPH, Boston, MA; Kevin Franck, PhD MBA, Boston, MA; Elliott D. Kozin, MD, Boston, MA

140. Transcanal Computed Tomography View for Lateral Skull Base Endoscopic Ear Surgery
Samuel R. Barber, MD, Tucson, AZ; Judith Kempfle, MD, Boston, MA; Danielle Trakimas, BS, Boston, MA; Aaron K. Remenschneider, MD MPH, Boston, MA; Daniel J. Lee, MD, Boston, MA; Elliott D. Kozin, MD, Boston, MA

141. The Anteriorly Based Tympanomeatal Flap for Management of Anterior Tympanic Membrane Perforations
Joshua T. Blotter, BS, Salt Lake City, UT; Geoffrey C. Casazza, MD, Salt Lake City, UT; Hilary C. McCrary, MD, Salt Lake City, UT; Albert H. Park, MD, Salt Lake City, UT

142. Recurrent and Progressive Facial Baroparesis on Flying Relieved by Eustachian Tube Dilation
Tracy Z. Cheng, MHS, Durham, NC; David M, Kaylie, MD MS, Durham, NC

143. Meniere’s Disease Clinical Subgroups in a US Cohort
Jason R. Crossley, BA, Washington, DC; Adnan S. Hussaini, MD, Washington, DC; Hung J. Kim, MD, Washington, DC; Michael Hoa, MD, Washington, DC

144. The Role of Body Mass Index on Hearing Outcomes after Stapes Surgery
Shekhar K. Gadkaree, MD, Boston, MA; Rachel E. Weitzman, MS, Boston, MA; Ashley L. Miller, MD, Boston, MA; Yin Ren, MD PhD, Boston, MA; Michael J. McKenna, MD, Boston, MA; Eduardo C. Corrales, MD, Boston, MA

145. WITHDRAWN - Subjective Stapedotomy Failure Despite Air Bone Gap Closure
Michael P. Gebhard, BS, Gainesville, FL; Varun V. Varadarajan, MD, Gainesville, FL; Doug M. Bennion, MD PhD, Iowa City, IA; Patrick J. Antonelli, MD, Gainesville, FL

146. Characteristics and Progression of Hearing Loss in Children with Turner’s Syndrome
Alexandra O. Hamberis, BS, Charleston, SC; Charmee M. Mehta, BSPH, Charleston, SC; James R. Dornhoffer, MD, Charleston, SC; Ted A. Meyer, MD PhD, Charleston, SC
| 147. | Trans-Graft T tube Tympanoplasty for Tympanic Membrane Perforation in the Setting of Granulomatosis with Polyangiitis |
|       | Andrea L. Hanick, MD, Cleveland, OH; Thomas J. Haberkamp, MD, Cleveland, OH |
|       | Erin A. Harvey, BS, Cincinnati, OH; Andrew J. Redmann, MD, Cincinnati, OH; Rebecca Cornelius, MD, Cincinnati, OH; Myles L. Pensak, MD, Cincinnati, OH |
| 149. | Development of a Robotic Assisted Cochlear Implant Insertion System |
|       | Allan M. Henslee, PhD, Iowa City, IA; Christopher R. Kaufmann, MD, Iowa City, IA; Marlan R. Hansen, MD, Iowa City, IA |
| 150. | John J. Conley, MD Resident Research Award - Eastern Section Case Series with Chart Review of a Novel Chronic Ear Grading System |
|       | Sandra H. Ho, MD, Brooklyn, NY; Daniel P. Ballard, MD, Brooklyn, NY; Lori A. Hoepner, DrPH MPH, Brooklyn, NY; Matthew M. Hanson, MD, Brooklyn, NY |
| 151. | Seasonal Patterns of Benign Paroxysmal Positional Vertigo: An Institutional Experience |
|       | Neal M. Jackson, MD, New Orleans, LA; Alexander Leo Luryi, MD, New Haven, CT; Dennis I. Bojrab, MD, Farmington Hills, MI; Michael J. Larouere, MD, Farmington Hills, MI; Seilesh Babu, MD, Farmington Hills, MI; Christopher A. Schutt, MD, Farmington Hills, MI |
| 152. | Characteristics and Outcomes of Pediatric Vestibular Schwannomas |
|       | Tyler A. Janz, BS, Charleston, SC; P. Ryan Camilon, MD, Boston, MA; Shaun A. Nguyen, MD, Charleston, SC; Ted A. Meyer, MD PhD, Charleston, SC; Theodore R. McRackan, MD, Charleston, SC; Paul R. Lambert, MD, Charleston, SC |
| 153. | Cranial Suture Diastasis in Pediatric Temporal Bone Trauma |
|       | Jacob B. Kahane, MD, Las Vegas, NV; Nathaniel Reeve, MD, Las Vegas, NV; Jordan A. Miller, BS, Las Vegas, NV; Matthew Ng, MD, Las Vegas, NV |
| 154. | Understanding the Etiology, Pathogeneses, and Treatment of Objective Tinnitus: A Unique Case Series Presentation |
|       | David A. Kasle, MD, New Haven, CT; Parsa P. Salehi, MD, New Haven, CT; Sina J. Torabi, BA, New Haven, CT; Douglas M. Hildrew, MD, New Haven, CT |
| 155. | Acute Sensorineural Hearing Loss Due to Erythrocytosis with Hyperviscosity Syndrome - Case Report and a Review of the Literature |
|       | Naushad M. Khakoo, MD, Syracuse, NY; Charles I. Woods, MD, Syracuse, NY |
| 156. | Histopathology of the Peripheral Vestibular System Following Temporal Bone Fracture |
|       | Renata M. Knoll, MD, Boston, MA; Reuven Ishai, MD, Boston, MA; Danielle R. Trakimas, MSE, Boston, MA; David H. Jung, MD PHD, Boston, MA; Aaron K. Remenschneider, MD MPH, Boston, MA; Elliott D. Kozin, MD, Boston, MA |
| 157. | Multicenter Outcomes of Cochlear Implantation Following Head Trauma |
|       | Renata Malimpensa Knoll, MD, Boston, MA; Danielle R. Trakimas, MSE, Boston, MA; Joseph B. Nadol Jr., MD, Boston, MA; David H. Jung, MD PHD, Boston, MA; Aaron K. Remenschneider, MD MPH, Boston, MA; Elliott D. Kozin, MD, Boston, MA |
| 158. | Examining the Relationship between Angular Insertion Depth and Hearing Outcomes in Patients Receiving Cochlear Implants |
|       | Timothy K. Koo, BA, Tampa, FL; Christopher J. Danner, MD, Tampa, FL |
159. Clinical Significance of the Mysterious Internal Auditory Canal Diverticula
Elliott D. Kozin, MD, Boston, MA; Dawson Wells, MD, Boston, MA; Jenny X. Chen, MD, Boston, MA; Katherine Reinhagen, MD, Boston, MA; Joseph B. Nadol, MD, Boston, MA; Alicia M. Quesnel, MD, Boston, MA

160. Rat Model of External Auditory Canal Stenosis
Dustin M. Lang, MD, Gainesville, FL; Patrick J. Antonelli, MD, Gainesville, FL; Carolyn O. Dirain, PhD, Gainesville, FL

Alexander L. Luryi, MD, New Haven, CT; John F. Kveton, MD, New Haven, CT; Elias M. Michaelides, MD, New Haven, CT; Christopher A. Schutt, MD, Farmington Hills, MI

162. Failure to Close the Gap: Concomitant Superior Canal Dehiscence in Otosclerosis Patients
Anne K. Maxwell, MD, Los Angeles, CA; William H. Slattery III, MD, Los Angeles, CA; Mia E. Miller, MD, Los Angeles, CA

163. Isolated Saccular Hydrops on High Resolution Magnetic Resonance Imaging (MRI) and its Association with Full Spectrum Meniere's Disease
Anne K. Maxwell, MD, Los Angeles, CA; Thomas Muelleman, MD, Los Angeles, CA; Akira Ishiyama, MD, Los Angeles, CA; Stellios Karnezis, MD, Los Angeles, CA; Gail Ishiyama, MD, Los Angeles, CA

164. Characteristics and Progression of Hearing Loss in Children with Either Patau Syndrome or Edward's Syndrome
Alexandra O. Hamberis, BS, Charleston, SC; Charmee H. Mehta, BSPH, Charleston, SC; James R. Dornhoffer, MD, Charleston, SC; Ted A. Meyer, MD PhD, Charleston, SC

165. Otologic Outcomes in Children with Cleft Lip and Palate and Effects of Surgical Repair
Charmee H. Mehta, BSPH, Charleston, SC; Alexandra O. Hamberis, BS, Charleston, SC; Forest W. Weir, MD, Cincinnati, OH; James R. Dornhoffer, MD, Charleston, SC; Yuan F. Liu, MD, Charleston, SC; Ted A. Meyer, MD PhD, Charleston, SC

166. Temporal Bone Abscess 11 Years after Translabyrinthine Surgery
Jessa E. Miller, BS, Ann Arbor, MI; Emily Marchiano, MD, Ann Arbor, MI; Steven A. Telian, MD, Ann Arbor, MI

167. Sonic Attack on Diplomats in Cuba--A Possible Migraine Etiology
Omid Moshtaghi, MD, San Diego, CA; Jack Birkenbeuel, BS, Irvine, CA; Autefeh Sajjadi, BS, Irvine, CA; Marlon Maducdoc, MD, Irvine, CA; Harrison W. Lin, MD, Irvine, CA; Hamid R. Djalilian, MD, Irvine, CA

168. The Size of Internal Auditory Canal Diverticula Is Unrelated to Degree of Hearing Loss
Thomas J. Muellesman, MD, Los Angeles, CA; Kaley J. Pippin, MD, Kansas City, KS; Alicia M. Quesnel, MD, Boston, MA; James A. Lin, MD, Kansas City, KS; Luke N. Ledbetter, MD, Kansas City, KS; Hinrich S. Staecker, MD PhD, Kansas City, KS

169. Migraine Symptoms and Weather: An Investigation of Climate Triggers Using Internet Search Activity
Stephen J. Romeo, DO, Stratford, NJ; Aykut Unsal, DO, Augusta, GA; Claudine Jurkovitz, MD MPH, Newark, DE; Zugui Zhang, PhD, Newark, DE; Michael Teixido, MD, Wilmington, DE
170. Combined Transmastoid and Transcanal Approach to Cochlear Implantation in CHARGE Syndrome
Janine M. Rotsides, MD, New York, NY; Baishakhi Choudhury, MD, New York, NY; J. Thomas Roland Jr., MD, New York, NY

171. The Association of Age and Race with Calvarial and Zygoma Thickness
Mohamad Z. Saltagi, MD, Indianapolis, IN; Amit Nag, BS, Indianapolis, IN; Cyrus C. Rabbani, MD, Indianapolis, IN; Elizabeth Schueth, BS, Indianapolis, IN; Rick F. Nelson, MD, Indianapolis, IN

172. Factors Contributing to Development of Idiopathic CSF Rhinorrhea versus Otorrhea: A Retrospective Review
Taylor B. Teplitzky, MD, Baltimore, MD; Jason M. Thomas, MD, Baltimore, MD; Prashant Raghavan, MBBS, Baltimore, MD; Andrea M. Hebert, MD, Baltimore, MD; David J. Eisenman, MD, Baltimore, MD

173. Preservation of Low Frequency Hearing Following Cochlear Implantation Is Associated with Improved Word Recognition Scores
Danielle R. Trakimas, MSE, Worcester, MA; Nayha Chopra-Tandon, BS, Worcester, MA; Elliott D. Kozin, MD, Boston, MA; Aaron K. Remenschneider, MD MPH, Worcester, MA

174. Timing of Sequential Cochlear Implantation (CI) Influences Performance of Initial CI in Pediatric Patients
Danielle R. Trakimas, MSE, Worcester, MA; Julia Buirkle, BS, Worcester, MA; Elliott D. Kozin, MD, Boston, MA; Aaron K. Remenschneider, MD MPH, Worcester, MA

175. Frances E. LeJeune Sr., MD Resident Research Award - Southern Section
Neonatal Abstinence Syndrome and Infant Hearing Assessment: A Kids' Inpatient Database (KID) Review
Adam J. Van Horn, MD, Lexington, KY; Liza M. Creel, PhD MPH, Louisville, KY; Alexander S. Hines, BA, Lexington, KY; Matthew L. Bush, MD PhD FACS, Lexington, KY

176. Cochlear Basal Turn Dehiscence Width in Unrecognized Perilymph Gushers
Varun V. Varadarajan, MD, Gainesville, FL; Orrin L. Dayton, MD, Gainesville, FL; Reordan O. De Jesus, MD, Gainesville, FL; Patrick J. Antonelli, MD, Gainesville, FL

177. Assessing Laterality and Location of External Auditory Exostoses Using Computed Tomography
David J. Weiland, BS, Irvine, CA; Hossein Mahboubi, MD, Irvine, CA; Jack L. Birkenbeuel, BS, Irvine, CA; Dillon C. Cheung, BS, Irvine, CA; Harrison W. Lin, MD, Irvine, CA; Hamid R. Djalilian, MD, Irvine, CA

178. Skull Base Osteomyelitis Complicated by Petrous Internal Carotid Artery Blowout
Rachel E. Weitzman, MS, Boston, MA; Anuraag S. Parikh, MD, Boston, MA; Shekhar K. Gakdaree, MD, Boston, MA; C. Eduardo Corrales, MD, Boston, MA

179. Embryonal Rhabdomyosarcoma of the Middle Ear and Mastoid
Candice B. Yip, MD, Newark, NJ; Yu-Lan M. Ying, MD, Newark, NJ

Pediatric Otolaryngology

180. A Review of Pediatric Laryngeal Tumors and Analysis of the Demographics, Management, and Survival of Pediatric Laryngeal Squamous Cell Carcinoma
Alexandra M. Forsyth, BA, Boston, MA; Philip R. Camilon, MD, Boston, MA; Jessica R. Levi, MD, Boston, MA
181. Facelift Incision for Parotidectomy in Pediatric Nontuberculous Mycobacterial Lymphadenitis
Rebecca A. Compton, MD, Boston, MA; Andrew R. Scott, MD, Boston, MA; Mark A. Vecchiotti, MD, Boston, MA

182. Jugular Bulb Height Is Unrelated to Isolated Unilateral Congenital Aural Atresia
Tyler R. Halle, MD, Atlanta, GA; Amanda S. Corey, MD, Atlanta, GA; N. Wendell Todd, MD MPH, Atlanta, GA

183. Population Based Survival Analysis of Pediatric Tonsillar Malignancies and Review of a Rare Case
Tyler A. Janz, BS, Orlando, FL; Ramamoorthy Nagasubramanian, MD, Orlando, FL; Julie L. Wei, MD, Orlando, FL

184. Prevalence of Prescription Medication Use in Preschool Aged Children Seen in Pediatric Otolaryngology
Friederike S. Luetzenberg, BS, Orlando, FL; Timothy M. Maul, PhD, Orlando, FL; Julie L. Wei, MD, Orlando, FL

185. Diagnosis of Otitis Media with Effusion with Optical Tympanometry
Hossein Mahboubi, MD MPH, Irvine, CA; Atefeh Sajjadi, MD, Irvine, CA; David T. Chang, MD, Irvine, CA; Nguyen S. Pham, MD, Irvine, CA; Elliot Botvinick, PhD, Irvine, CA; Hamid R. Djallilian, MD, Irvine, CA

186. Ear Mass in Pediatric Patient with Leukocytosis: A Case Report and Review of the Literature
Weston L. Niermeyer, BS, Columbus, OH; Scott R. Smith, BA, Columbus, OH; Patrick C. Walz, MD, Columbus, OH

187. Drivers of Prolonged Length of Stay in Children with Parotitis
Nirali M. Patel, BA, Newark, NJ; Aparna Govindan, BA, Newark, NJ; Lea C. George, BS, Newark, NJ; Amy P. Bansal, MD, Newark, NJ; Evelyne Kalyoussef, MD FACS, Newark, NJ

188. Regional Influences on the Management of Pediatric Deep Neck Abscesses
Nirali M. Patel, BA, Newark, NJ; Aparna Govindan, BA, Newark, NJ; Lea C. George, BS, Newark, NJ; Sana H. Siddiqui, BA, Newark, NJ; Amy P. Bansal, MD, Newark, NJ; Evelyne Kalyoussef, MD FACS, Newark, NJ

189. Improving Interspecialty Communication in the Treatment of Pediatric Craniofacial and Skull Base Tumors Using Personalized 3D Printed Models
Sanjay P. Prabhu, MBBS, Boston, MA; Natasha D. Dombrowski, BA, Boston, MA (Presenter); Salim Afshar, DMD MD, Boston, MA; Carolyn R. Rogers-Vizena, MD, Boston, MA; Peter Weinstock, MD PhD, Boston, MA; Reza Rahbar, DMD MD, Boston, MA

190. Revision Surgery Rates among Children Receiving Percutaneous Bone Conduction Implants
Patricia L. Purcell, MD MPH, Toronto, ON Canada; Karen A. Gordon, PhD CCC-A, Toronto, ON Canada; Blake C. Papsin, MD MSc, Toronto, ON Canada; Sharon L. Cushing, MD MSc, Toronto, ON Canada

191. Shirley Baron Resident Research Award - Western Section
The Validation of Laryngomalacia Classification Systems: A Multi-Institutional Agreement Study
Shanmugappiriya Ummayil Sivarajah, MD, Edmonton, AB Canada; Andre Isaac, MD MSc FRCSC, Edmonton, AB Canada; Deepak Mehta, MD, Houston, TX; Paul Hong, MD FRCSC, Halifax, NS Canada; Yaser Alrajhi, MD FRCSC, Edmonton, AB Canada; Hamdy El-Hakim, MB ChB FRCs, Edmonton, AB Canada
Impact of Multidisciplinary Rounds within a Pediatric Otolaryngology Unit
Matthew M. Smith, MD, Cincinnati, OH; Douglas C. Von Allmen, MD, Cincinnati, OH; Michelle M. Coleman, MSN, Cincinnati, OH; Anna Sheets, DNP, Cincinnati, OH; Emily E. Donoghue, BSN, Cincinnati, OH; Alessandro de Alarcon, MD MPH, Cincinnati, OH