

2018 TRIOLOGICAL SOCIETY COMBINED SECTIONS MEETING
WESTIN KIERLAND, SCOTTSDALE, ARIZONA
JANUARY 18 - 20, 2018

THURSDAY, JANUARY 18
KIERLAND BALLROOMS 1 & 2

- 7:30** **Attendee Breakfast with Exhibitors - Trailblazers**
- 8:00** **Welcome on behalf of the Vice Presidents**
Carol Bradford, MD, Middle Section Vice President
- 8:05** **Eastern Section Guest Introductions by Gady Har-El, MD FACS, New York, NY, Eastern Section Vice President**
Citation Awardees: Yosef P. Krespi, MD FACS, New York, NY
The New York Head & Neck Society
Jessica W. Lim, MD, New York, NY
Guest of Honor: Frank E. Lucente, MD FACS, Brooklyn NY
Small
- 8:20** **Southern Section Guest Introductions by Hassan Ramadan, MD MSc FACS, Morgantown, WV, Southern Section Vice President**
Citation Awardees: Stanley M. Blaugrund, MD, New York, NY
Joseph G. Feghali, MD FACS, Bronx, NY
Robert M. Naclerio, MD FACS, Chicago, IL
Guest of Honor: Stephen J. Wetmore, MD FACS, Morgantown, WV
- 8:35** **Western Section Guest Introductions by Clough Shelton, MD FACS, Salt Lake City, UT, Western Section Vice President**
Citation Awardees: Derald E. Brackmann, MD, Los Angeles, CA
Bruce J. Gantz, MD FACS, Iowa City, IA
Richard R. Orlandi, MD FACS, Salt Lake City, UT
Guest of Honor: Robert H. Miller, MD MBA FACS, Houston, TX
Professional Self-Regulation
- 8:50** **Middle Section Guest Introductions by Carol Bradford, MD MS, Ann Arbor, MI, Middle Section Vice President**
Citation Awardees: Thomas E. Carey, PhD, Ann Arbor, MI
Cherie Ann Nathan, MD FACS, Shreveport, LA
J. Gail Neely, MD FACS, St. Louis, MO (posthumously)
Guest of Honor: Gregory T. Wolf, MD FACS, Ann Arbor, MI
Mentorship, Its Own Reward
- PRESENTATION OF MIDDLE SECTION GEORGE ADAMS, MD YOUNG FACULTY AWARD to Lamont R. Jones, MD MBA, Detroit, MI**
Introduction by Carol Bradford, MD, Middle Section Vice President
- 9:10** **PRESIDENTIAL ADDRESS - Mark S. Persky, MD FACS, New York, NY Mentoring - An Obligation?**
Introduction by Gady Har-El, MD, Eastern Section Vice President
- 9:25** **PRESENTATION OF SIXTH ANNUAL PATRICK E. BROOKHOUSER, MD AWARD OF EXCELLENCE to Roger L. Crumley, MD MBA FACS, Orange, CA**
Introduction by Mark S. Persky, MD FACS, President

- 9:30** **RECOGNITION OF ROBERT H. MILLER, MD MBA FACS**
Introduction by Mark S. Persky, MD FACS, President
- 9:35 - 10:00** **Break with Exhibitors/View Posters - Napoleon CD**
- 10:05 - 11:00** **TRIOLOGICAL SOCIETY BEST PRACTICES (TRIO BP)**
Moderator: Anil K. Lalwani, MD FACS, New York, NY
Panelists: **Which Inferior Turbinate Reduction Technique Best Decreases Nasal Obstruction?**
Ashutosh Kacker, MD FACS, New York, NY
Does the Frontal Sinus Need to Be Obliterated Following Fracture with Frontal Sinus Outflow Tract Injury?
Alexander G. Chiu, MD, Kansas City, KS
Is Dexamethasone Effective in Preventing Nausea and Vomiting after Common Otolaryngology Procedures?
Parwane P. Pagano, MD, New York, NY
Are Water Precautions Necessary after Tympanostomy Tube Placement?
Richard L. Goode, MD FACS, Stanford, CA
Is Surgery Necessary for Vocal Fold Polyps?
David O. Francis, MD MS, Madison, WI
- 11:00** **Q&A**
- 11:05 - 11:55** **HOW I DO IT: NOT WHEN AND WHY, JUST HOW VIDEO SESSION**
Moderator: William W. Shockley, MD FACS, Chapel Hill, NC
Panelists: **Ossicular Chain Reconstruction**
John W. House, MD, Los Angeles, CA
Management of Zenker's Diverticulum
Paul W. Flint, MD, Portland, OR
Minimally Invasive Pituitary Surgery
Brent A. Senior, MD FACS, Chapel Hill, NC
Central Neck Dissection: The Five Essential Steps
David J. Terris, MD FACS, Augusta, GA
- 11:55** **Q&A**
- 12:00 - 1:00** **Lunch/Visit Exhibits/View Posters - Trailblazers**
- 1:10 - 3:05 CONCURRENT SESSION 1A**
HEAD AND NECK - KIERLAND 1
- Moderator: Carole Fakhry, MD MPH, Baltimore, MD**
- 1:10** **2017 THESIS AWARD - DR. MAUREEN HANNLEY AWARD, ALTERNATIVE SCIENCE**
Free Functional Transfer of the Omohyoid Muscle Tendon Unit: Flap Dissection, Biomechanical Modeling, Excursion and Potential Application in Facial Paralysis
Kofi D. Boahene, MD FACS, Baltimore, MD
- 1:17** **Validation of the Eighth Edition American Joint Committee on Oral Cavity Cancer Staging System**
John D. Cramer, MD, Pittsburgh, PA; Abhita T. Reddy, MD, Chicago, IL; Robert L. Ferris, MD PhD, Pittsburgh, PA; Umameheswar Duvvuri, MD PhD, Pittsburgh, PA; Sandeep Samant, MD, Chicago, IL

- 1:24 The Impact of Duty Hour Restrictions on Complication Rates Following Major Head and Neck Procedures**
 Meghan M. Crippen, MS, Newark, NJ; Gregory L. Barinsky, PharmD, Newark, NJ; Renuka K. Reddy, BS, Newark, NJ; Rahul Gulati, BS, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard Chan Woo Park, MD, Newark, NJ
- 1:31 Outpatient versus Inpatient Parotidectomy: Comparison of Postoperative Complication Rates**
 Sana H. Siddiqui, BA, Newark, NJ; Eric Zhao, BS, Newark, NJ; Jean A. Eloy, MD, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard C. Park, MD, Newark, NJ
- 1:38 The National Landscape of Unplanned 30 Day Readmissions after Total Laryngectomy**
 Rocco M. Ferrandino, BS, New York, NY; Jonathan Garneau, MD, New York, NY; Scott Roof, MD, New York, NY; Brett Miles, MD DDS, New York, NY
- 1:45 Muscle Invasion Is not a Predictor of Recurrence in p16+ Oropharyngeal Squamous Cell Carcinoma**
 Zainab Farzal, MD, Chapel Hill, NC; Eugenie Du, MD, Chapel Hill, NC; Eunice Yim, BA, Chapel Hill, NC; Jose P. Zevallos, MD MPH, St. Louis, MO; Benjamin Y. Huang, MD, Chapel Hill, NC; Trevor G. Hackman, MD, Chapel Hill, NC
- 1:52 Survival Rates of Patients with Malignant Melanoma of Unknown Primary and Known Primary in the Head and Neck**
 Carmen K. Chan, BS, Los Angeles, CA; Albert Y. Han, MD PHD, Los Angeles, CA; Suraj A. Dhanjani, BA, Los Angeles, CA; Kelly J. Pettijohn, MD, Los Angeles, CA; Pratik B. Patel, MD, Los Angeles, CA; Maie A. St. John, MD PHD, Los Angeles, CA
- 1:59 Sentinel Lymph Node Biopsy in Cutaneous Melanoma of the Head and Neck Using the Indocyanine Green SPY Elite System**
 Andrew M. Vahabzadeh-Hagh, MD, Los Angeles, CA; Keith E. Blackwell, MD, Los Angeles, CA; Elliot Abemayor, MD PhD, Los Angeles, CA; Maie A. St. John, MD PhD, Los Angeles, CA
- 2:06 Q&A**
- 2:10 - 3:00 CONTROVERSIES IN TRANSORAL ENDOSCOPIC HEAD AND NECK SURGERY: ROBOT vs. LASER?**
Moderator: Albert L. Merati, MD FACS, Seattle, WA
Panelists: Michael L. Hinni, MD FACS, Phoenix, AZ
 F. Christopher Holsinger, MD FACS, Palo Alto, CA
 Jeremy David Richmon, MD FACS, Concord, MA
 Lisa Shnayder, MD FACS, Kansas City, KS
- 3:00 Q&A**
- 3:05 - 3:30 Break with Exhibitors/View Posters - Trailblazers**

1:10 - 3:10 CONCURRENT SESSION 1B
OTOLOGY/NEUROTOLOGY - KIERLAND 2

- 1:10 - 2:05** **OTOLOGY/NEUROTOLOGY: PAST, PRESENT AND FUTURE**
Moderator: Bruce J. Gantz, MD FACS, Iowa City, IA
Panelists: Derald E. Brackmann, MD, Los Angeles, CA
Manuela Fina, MD, Minneapolis, MN
Lawrence R. Lustig, MD, FACS, New York, NY
Alejandro Rivas, MD, Nashville, TN
J. Thomas Roland Jr., MD, New York, NY
Erika A. Woodson, MD FACS, Cleveland, OH
- 2:05** **Q&A**

Moderator: Rick A. Friedman, MD PhD, Los Angeles, CA
- 2:10** **2017 THESIS AWARD - HONORABLE MENTION, CLINICAL RESEARCH**
MRI Surveillance of Vestibular Schwannomas without Contrast Enhancement: Clinical and Economic Evaluation
Daniel H. Coelho, MD FACS, Richmond, VA
- 2:17** **The Membranous Hypermobile Stapes Footplate Syndrome--A New Etiology for Persistent Post-Traumatic Vertigo Following Head Injury**
Arun K. Gadre, MD FACS, San Diego, CA; Ingrid R. Edwards, AuD, Louisville, KY; Casey R. Roof, AuD, Louisville, KY
- 2:24** **Oral and Intratympanic Steroid Therapy for Idiopathic Sudden Sensorineural Hearing Loss**
Jared Hara, BS, Honolulu, HI; Julia A. Zhang, BS, Honolulu, HI; Krupa R. Gandhi, MPH, Honolulu, HI; Anna Flaherty, MD, Springfield, IL; Wayne Barber, MD, Honolulu, HI; Lawrence P. Burgess, MD, Honolulu, HI
- 2:31** **Microbiome Analysis of Cholesteatoma by Gene Pyrosequencing**
Joshua P. Weiss, MD, Gainesville, FL; Patrick J. Antonelli, MD, Gainesville, FL; Carolyn O. Dirain, PhD, Gainesville, FL
- 2:38** **Surgical Management of Aggressive Petrous Apex Epidermoid Cysts with Skull Base Erosion**
Geoffrey C. Casazza, MD, Salt Lake City, UT; Clough Shelton, MD, Salt Lake City, UT; Richard K. Gurgel, MD, Salt Lake City, UT
- 2:45** **Canal Reconstruction Tympanomastoidectomy for Cholesteatoma: A Comparison of Outcomes Following Primary vs. Revision Surgery**
Shawn M. Stevens, MD, Phoenix, AZ; Kara R. Babo, BS, Cincinnati, OH; Zoe A. Walters, BS, Cincinnati, OH; Kareem O. Tawfik, MD, Cincinnati, OH; Ravi N. Samy, MD, Cincinnati, OH
- 2:52** **Intratympanic Steroid Dosage in Sudden Sensorineural Hearing Loss**
Aarti M. Agarwal, BS, Buffalo, NY; Adrian A. Ong, MD, Buffalo, NY; Samuel A. Reyes, MD PhD, Buffalo, NY
- 2:59** **Cognitive Impairment Is Predictive of Post-Cochlear Implant Performance**
Maya A. Kuroiwa, MD, Toronto, ON Canada; David B. Shipp, MA FAAA, Toronto, ON Canada; Nils Gritters, BSC, Toronto, ON Canada; Trung N. Le, MD PhD FRCSC, Toronto, ON Canada; Joseph M. Cheng, MD FRCSC, Toronto, ON Canada; Vincent Y. Lin, MD FRCSC, Toronto, ON Canada

3:06 Q&A

3:10 - 3:30 *Break with Exhibitors/View Posters - Trailblazers*

3:30 - 5:15 CONCURRENT SESSION 2A
RHINOLOGY/ALLERGY - KIERLAND 1

Moderator: Subinoy Das, MD FACS, Columbus, OH

- 3:30 **Industry Influence in Sinus Balloon Dilation**
Shekhar K. Gadkaree, MD, Boston, MA; Vinay K. Rathi, MD, Boston, MA; Esther Gottshalk, MD, Frankfurt, Hesse Germany; Allen L. Feng, MD, Boston, MA; George A. Scangas, MD, Boston, MA; Ralph Metson, MD, Boston, MA
- 3:37 **Patient Reported Outcomes of Balloon Dilation for Eustachian Tube Dysfunction Using the SNOT-22 Survey**
Zahrah M. Taufique, MD MBA, New York, NY; Steven A. Gordon, MD MPH, New York, NY (Presenter); Jamie R. Oliver, BA, New York, NY; Lisa A. Liberatore, MD, New York, NY
- 3:44 **Hospital Charge Variability: The Influence of Sociodemographic Factors in Transsphenoidal Pituitary Surgery**
Sarah M. Kidwai, MD, New York, NY; Anthony Yang, BS, New York, NY; Sean P. McKee, BS, New York, NY; Raj K. Shrivastava, MD, New York, NY; Satish Govindaraj, MD, New York, NY; Alfred M.C. Illoreta, MD, New York, NY
- 3:51 **Skull Base Surgery Outcomes in the Elderly Population in the Era of the Endoscope**
Elizabeth D. Stephenson, BA, Chapel Hill, NC; Saangyoung E. Lee, BS, Chapel Hill, NC; Katherine N. Adams, BS, Chapel Hill, NC; Douglas R/ Farquhar, MD MPH, Chapel Hill, NC; Adam M. Zanation, MD, Chapel Hill, NC
- 3:58 **The Dairy Milk Mucus Study: A Randomized Controlled Double Blind Trial Comparing the Effects of Dairy and Non-dairy Diets on Reported Levels of Nasopharyngeal Secretions in Rhinitis**
Adam C. Frosh, FRCS, Stevenage, Herts UK; Joanna Stephens, FRCS, Stevenage, Herts UK; Carina C. Cruz, BSc, Stevenage, Herts UK
- 4:05 **Altered Membrane Associated MUC1 Mucin Expression in Nasal Mucosa of Chronic Rhinosinusitis**
Kosuke Kato, PhD, Tucson, AZ; Kwang Chul Kim, PhD, Tucson, AZ; Eugene H. Chang, MD, Tucson, AZ
- 4:12 **Trends in Turbinate Surgery: Analysis of Patients Using Medicare Database**
Mitchell P. Anderson, BS MS, Boston, MA; Johnathan Liang, MD, Oakland, CA
- 4:19 Q&A
- 4:25 - 5:10 **WHEN IS SURGERY INDICATED FOR CHRONIC RHINOSINUSITIS? HOW EXTENSIVE SHOULD THE SURGERY BE?**
Moderator: Stilianos E. Kountakis, MD PhD FACS, Augusta, GA
Panelists: Alexander G. Chiu, MD, Kansas City, KS
Andrew N. Goldberg, MD MSCE FACS, San Francisco, CA
Michael G. Stewart, MD MPH FACS, New York, NY
- 5:10 Q&A

5:15 **ADJOURN SESSION**

5:30 - 7:00 **VICE PRESIDENT'S WELCOME RECEPTION (for all attendees) - Northern Sky Terrace (Culture Keepers rain backup)**

3:30 - 5:20 CONCURRENT SESSION 2B

LARYNGOLOGY/BRONCHOSOPHAGOGY - KIERLAND 2

3:30 - 4:15 **CANCER OF THE LARYNX: CHOICE OF TREATMENT AND IMPACT ON OUTCOME**

Moderator: Gady Har-EI, MD FACS, New York, NY
Panelists: C. Gaelyn Garrett, MD MMHC, Nashville, TN
Henry T. Hoffman, MD FACS, Iowa City, IA
Richard V. Smith, MD FACS, Bronx, NY

4:15 **Q&A**

Moderator: Katherine Ann Kendall, MD FACS, Salt Lake City, UT

4:20 **Complications of In-office Laryngologic Procedures in Patients on Antithrombotic Therapy**

Jeffrey M. Straub, MD, Columbus, OH; Timothy J. Shin, BS, Columbus, OH;
Brad W. deSilva, MD, Columbus, OH; L. Arick Forrest, MD, Columbus, OH;
Laura A. Matrka, MD, Columbus, OH

4:27 **Dynamics of Intrinsic Laryngeal Muscle Contraction**

Andrew M. Vahabzadeh-Hagh, MD, Los Angeles, CA; Pranati Pillutla, BS,
Lubbock, TX; Zhaoyan Zhang, PhD, Los Angeles, CA; Dinesh K. Chhetri, MD, Los Angeles, CA

4:34 **Invasive Treatments for Sialorrhea in Patients with Amyotrophic Lateral Sclerosis: A Systematic Review**

Lindsey L. Shehee, BS, Charleston, SC; Ashli K. O'Rourke, MD, Charleston, SC;
Kendrea L. Garand, PhD, Charleston, SC

4:41 **Airway Evaluation in Children with Single Ventricle Cardiac Physiology**

Jose H. Ting, BS, Houston, TX; Soham Roy, MD, Houston, TX; Lauren Mulcahy, MD, Houston, TX; Zhen Huang, MD, Houston, TX; Sancak Yuksel, MD, Houston, TX; Zi Yang Jiang, MD, Houston, TX

4:48 **Vocal Fold Pyogenic Granuloma: A 10 Year Retrospective Review**

Courtney B. Tipton, BS, Columbus, OH; Paul E. Wakely, MD, Columbus, OH;
Brad W. DeSilva, MD, Columbus, OH; Laura A. Matrka, MD, Columbus, OH

4:55 **Using Nd:YAG Photocoagulation for Treatment of a Postcricoid Venous Malformation in a Young Pediatric Patient**

Sarah A. Lookabaugh, MD, Rochester, NY; John J. Faria, MD, Rochester, NY

5:02 **Atypical Vascular Proliferation 30 Years after Radiation for Nasopharyngeal Cancer**

Andrew Q. Ta, BA, Chicago, IL; Christopher G. Tang, MD, San Francisco, CA

5:09 **Q&A**

5:15 **ADJOURN SESSION**

5:30 - 7:00

VICE PRESIDENT'S WELCOME RECEPTION (for all attendees) - *Northern Sky Terrace (Culture Keepers rain backup)*

FRIDAY, JANUARY 19, 2018

7:00 - 7:50

Business Meetings (Fellows Only)
Southern Section - Powell AB
Western Section - Merriam AB

7:30

Attendee Breakfast with Exhibitors - *Trailblazers*

8:00 - 10:00 CONCURRENT SESSION 3A

FACIAL PLASTIC/RECONSTRUCTIVE SURGERY - KIERLAND 1

8:00

Announcements – Carol Bradford, MD, Middle Section Vice President

Moderator: Robert M. Kellman, MD FACS, Syracuse, NY

8:05

Functional Septorhinoplasty in the Pediatric Patient

Jennifer C. Fuller, MD, Boston, MA; Patricia A. Levesque, BS, Boston, MA;
Robin W. Lindsay, MD, Boston, MA

8:12

The Medial Sural Artery Perforator Flap: Is this a Better Option than the Radial Forearm Free Flap in Complex Head and Neck Reconstruction?

Zahrah M. Taufique, MD MBA, New York, NY; David Daar, MD MBA,
New York, NY; Leslie E. Cohen, MD, New York, NY; Jamie P. Levine, MD,
New York, NY; Adam S. Jacobson, MD, New York, NY

8:19

Comparison of Modern Rigid Fixation Plating Outcomes for Segmental Mandibular Microvascular Reconstruction

Adam C. McCann, BS, Kansas City, KS; Brian T. Andrews, MD, Kansas City, KS
(Presenter); Wojciech H. Przylecki, MD, Kansas City, KS; Kiran Kakarala, MD,
Kansas City, KS; Yelizaveta L. Shnayder, MD, Kansas City, KS;
Douglas A. Girod, MD, Kansas City, KS

8:26

Supraclavicular Flap Practice Patterns and Perception of Outcomes: A Survey of 221 AHNS Surgeons

Andrew T. Day, MD MPH, Dallas, TX; Liyang Tang, MD, Los Angeles, CA;
Kevin S. Emerick, MD, Boston, MA; Urjeet A. Patel, MD, Chicago, IL;
Daniel G. Deschler, MD, Boston, MA; Jeremy D. Richmon, MD, Boston, MA

8:33

Dog Bite Injuries to the Face: Is there Risk with Breed Ownership?

Garth F. Essig, MD, Columbus, OH; Cameron C. Sheehan, BS,
Columbus, OH (Presenter); Shefali R. Rikhi, BS, Charlottesville, VA;
Charles A. Elmaraghy, MD, Columbus, OH; Jared J. Christophel, MD,
Charlottesville, VA

8:40

Microsurgical Reconstruction of Parotidectomy Defects: When Is Microsurgical Reconstruction a Better Option?

Lindsey Moses, MD, New York, NY; Zahrah M. Taufique, MD MBA, New York, NY;
Jamie P. Levine, MD, New York, NY; Adam S. Jacobson, MD, New York, NY

- 8:47** **Disparity in Surgical Approaches and Outcomes of Functional Rhinoplasty**
Collin A. Rozanski, BA, New York, NY; Mingyang L. Gray, MD MPH, New York, NY;
Joshua D. Rosenberg, MD, New York, NY
- 8:54** **Analysis of Risk Factors Associated with Unplanned Reoperation Following
Free Flap Surgery of the Head and Neck**
Eric H. Zhao, BS, Newark, NJ; Kalin K. Nishimori, MBS, Newark, NJ; Jacob
Brady, BA, Newark, NJ; Jean A. Eloy, MD, Newark, NJ; Soly Baredes, MD,
Newark, NJ; Richard C. Park, MD, Newark, NJ
- 9:01** **Q&A**
- 9:05 - 9:55** **FACIAL NERVE PARALYSIS REHABILITATION**
Moderator: Theresa M. Hadlock, MD, Boston, MA
Panelists: William H. Slattery, MD, Los Angeles, CA
Kofi Derek Boahene, MD FACS, Baltimore, MD
Theresa M. Hadlock, MD, Boston, MA
Travis T. Tollefson, MD MPH FACS, Sacramento, CA
Daniel McDonnall, PhD, Salt Lake City, UT
- 9:55** **Q&A**
- 10:00 - 10:30** **Break with Exhibitors/View Posters - Trailblazers**
- 8:00 - 10:00 CONCURRENT SESSION 3B**
GENERAL/SLEEP MEDICINE - KIERLAND 2
- 8:00** **Announcements – Gady Har-El, MD, Eastern Section Vice President**
- 8:05 - 8:55** **PHYSICIAN WELLNESS AND BURNOUT**
Moderator: Myles L. Pensak, MD FACS, Cincinnati, OH
Panelists: Julie L. Wei, MD, Orlando, FL
Michael M. Johns III, MD, Los Angeles, CA
Dana M. Thompson, MD FACS, Chicago, IL
Peak Woo, MD FACS, New York, NY
- 8:55** **Q&A**

Moderator: Sally R. Shott, MD FACS, Cincinnati, OH
- 9:00** **Patterns of Co-Use of Cigarettes, Alcohol, and e-Cigarettes: Evidence from the
National Health Interview Survey**
Anuraag S. Parikh, MD, Boston, MA; Neil Bhattacharyya, MD, Boston, MA
- 9:07** **Safety of Ambulatory Surgery in Patients with Obstructive Sleep Apnea**
Colin T. Huntley, MD, Philadelphia, PA; Patrick Hunt, MD, Philadelphia, PA;
Michael B. Mullen, BS, Philadelphia, PA; Nicholas F. Taflin, BS, Philadelphia, PA;
Maurits S. Boon, MD, Philadelphia, PA
- 9:14** **Socioeconomic and Racial Disparity in Outcomes of Epistaxis Management
Using the SPARCS Database**
Mingyang L. Gray, MD MPH, New York, NY; Anthony Yang, BS, New York, NY;
Sean P. McKee, BS, New York, NY; Sarah M. Kidwai, MD, New York, NY; Satish
Govindaraj, MD, New York, NY; Alfred M. Illoreta, MD, New York, NY

- 9:21 Applicant Perception of the Use of Surgical Simulation for Otolaryngology Interviews**
Maheer M. Masood, BA, Chapel Hill, NC; Adam M. Zanation, MD, Chapel Hill, NC (Presenter); Elizabeth D. Stephenson, BA, Chapel Hill, NC; Douglas R. Farquhar, MD, Chapel Hill, NC; Rupali N. Shah, MD, Chapel Hill, NC; Robert A. Buckmire, MD, Chapel Hill, NC
- 9:28 Henry Williams, MD Resident Research Award Patient Safety and Quality Improvement Research in Otolaryngology-Head and Neck Surgery: A Systematic Review**
John D. Gettelfinger, MD, Indianapolis, IN; Phillip B. Paulk, MD, Birmingham, AL; Cecelia E. Schmalbach, MD, Indianapolis, IN
- 9:35 Richard J. Bellucci, MD Resident Research Award Using Lean to Improve Patient Safety and Resource Utilization after Adenotonsillectomy**
Mingyang L. Gray, MD MPH, New York, NY; Sida Chen, BA, New York, NY; Benjamin D. Malkin, MD FACS, Oakland, CA
- 9:42 Assessing and Standardizing Informed Consent for Total Thyroidectomies**
Stephanie J. Wong, MD, Rochester, NY; Matthew C. Miller, MD, Rochester, NY; Charles N. Babb, BM, Rochester, NY; Vishnu K. Kaiyala, B.S., Rochester, NY
- 9:49 Resident Perceptions: Improving Communication with a Standardized Consult Tool**
Joshua P. Wiedermann, MD, Washington, DC; Janine M. Rotsides, MD, Washington, DC (Presenter); Juliet Lee, MD, Washington, DC
- 9:56 Q&A**
- 10:00 - 10:30 Break with Exhibitors/View Posters - Trailblazers**

10:30 - 12:30 CONCURRENT SESSION 4A
GENERAL AND RHINOLOGY/ALLERGY/SINUS - KIERLAND 1

- 10:30 - 11:20 CLINICAL PRACTICE GUIDELINES: ARE THEY AUTHORITATIVE?**
Moderator: Emily Frances Boss, MD, Baltimore, MD
Panelists: Ron B. Mitchell, MD, Dallas, TX
Spencer C. Payne, MD, Charlottesville, VA
David E. Tunkel, MD FACS, Baltimore, MD
- 11:20 Q&A**
Moderator: Justin L. Antisdell, MD FACS, St. Louis, MO
- 11:25 Surgical Simulation in Otolaryngology Residency Interviews: How We Did It**
Maheer M. Masood, BA, Chapel Hill, NC; Elizabeth D. Stephenson, BA, Chapel Hill, NC; Douglas R. Farquhar, MD, Chapel Hill, NC; Robert A. Buckmire, MD, Chapel Hill, NC; Adam M. Zanation, MD, Chapel Hill, NC
- 11:32 Are You Too Old for Sinus Surgery?**
Ashton E. Lehmann, MD, Boston, MA; George A. Scangas, MD, Boston, MA; Rosh K.V. Sethi, MD MPH, Boston, MA; Aaron K. Remenschneider, MD, Boston, MA; Edward El Rassi, MD, Boston, MA; Ralph B. Metson, MD, Boston, MA

- 11:39** **Revascularization of AlloDerm Used during Endoscopic Skull Base Surgery**
Zahrah M. Taufique, MD MBA, New York, NY; Nupur Bhatt, BA, New York, NY;
David Zagzag, MD PhD, New York, NY; Seth M. Lieberman, MD, New York, NY
- 11:46** **In Vitro Analysis of Growth Patterns of Invasive Fungal Species on Commonly Used Endonasal Hemostatic Agents**
Christopher J. Ito, MD, Augusta, GA; Daniel D. Sharbel, MD,
Augusta, GA (Presenter); Allison R. McMullen, PhD, Augusta, GA;
Stilianos E. Kountakis, MD PhD, Augusta, GA
- 11:53** **Contemporary Analysis of Practice Trends in Otolaryngology**
Willard C. Harrill, MD FACS, Hickory, NC; David E. Melon, MD FACS, Hickory, NC;
Merritt J. Seshul, MD FACS, Hickory, NC; Adam M. Zanation, MD FACS, Chapel
Hill, NC; Marc S. Katz, PA-C, Hickory, NC
- 12:00** **Utilizing a Perfect Care Metric to Measure Quality in Otolaryngology**
Sonia N. Yuen, MD, Cincinnati, OH; Andrew Redmann, MD, Cincinnati, OH; Douglas
Von Allmen, MD, Cincinnati, OH; Adam Rothstein, MHA CCRP, Cincinnati, OH;
Ryan Collar, MD MBA, Cincinnati, OH
- 12:07** **Resident Education and the Quality of Operative Notes and Documentation**
Nicole J. Colgrove, MD, Lexington, KY; Rony K. Aouad, MD FACS, Lexington, KY
- 12:14** **Gamification as a Tool for Resident Education in Otolaryngology**
David K. Alexander, MD, Birmingham, AL; Michelle D. Thrasher, MS,
Birmingham, AL; Brian B. Hughley, MD, Birmingham, AL;
Bradford A. Woodworth, MD, Birmingham, AL; William R. Carroll, MD,
Birmingham, AL; Do Yeon Cho, MD, Birmingham, AL
- 12:21** **Q&A**
- 12:30** **ADJOURN - afternoon activities are listed after Concurrent Session 4B**

10:30 - 12:30 CONCURRENT SESSION 4B
LARYNGOLOGY/BRONCHOSOPHAGOLOGY AND
PEDIATRIC OTOLARYNGOLOGY - KIERLAND 2

Moderator: Michael J. Pitman, MD, New York, NY

- 10:30** **Paul H. Holinger, MD Resident Research Award**
Optimal Preoperative Evaluation of Pediatric Airway Reconstruction Patients
Douglas Von Allmen, MD, Cincinnati, OH; Catherine K. Hart, MD, Cincinnati, OH;
Jareen Meizen-Derr, PhD, Cincinnati, OH; Charles M. Myer IV, MD, Cincinnati, OH;
Melissa Schopper, BS, Cincinnati, OH; Alessandro de Alarcon, MD MPH,
Cincinnati, OH
- 10:37** **Lawrence R. Boies, MD Resident Research Award**
Bronchiectasis and Swallowing Dysfunction in Children with
Laryngotracheoesophageal Clefts
David R. Lee, MD, Cincinnati, OH; Catherine K. Hart, MD, Cincinnati, OH;
Meredith E. Tabangin, MPH, Cincinnati, OH; Charles M. Myer IV, MD,
Cincinnati, OH; Eric B. Antonucci, BS, Cincinnati, OH; Alessandro de Alarcon, MD,
Cincinnati, OH

- 10:44 Percutaneous versus Surgical Tracheostomy: Timing, Outcomes and Charges**
Anthony Yang, BS, New York, NY; Mingyang L. Gray, MD, New York, NY;
Sean P. McKee, BS, New York, NY; Sarah M. Kidwai, MD, New York, NY; Mike
Yao, MD, New York, NY; Alfred M.C. Iloreta, MD, New York, NY
- 10:51 Racial Differences in Respiratory Complications after Inpatient Tonsillectomy
in the United States among Pediatric Patients**
Yann-Fuu Kou, MD, Dallas, TX; Romaine F. Johnson, MD, Dallas, TX;
Ron B. Mitchell, MD, Dallas, TX; Gopi B. Shah, MD, Dallas, TX
- 10:58 Pattern of Otolaryngology Followup Care and Office Procedures in
Tracheostomy Dependent Children**
Heather A. Lesch, BS, Orlando, FL; Julie Wei, MD, Orlando, FL; Cynthia Chen, MD,
Orlando, FL; Timothy Maul, PhD, Orlando, FL
- 11:05 Tracheostomy Associated Hospitalizations among Pediatric Patients, Ages 18
Years or Younger--United States 2012**
Mark Sakai, BA, Dallas, TX; Romaine F. Johnson, MD, Dallas, TX; Yann-Fuu
Kou, MD, Dallas, TX; Gopi B. Shah, MD, Dallas, TX
- 11:12 Hospital Based Procedures of Tracheostomy Dependent Children**
Firas K. Sbeih, BS, Orlando, FL; Julie L. Wei, MD, Orlando, FL; Cynthia Chen, MD,
Orlando, FL; Timothy Maul, PhD, Orlando, FL; Heather Lesch, BS, Orlando, FL
- 11:19 Comparison of Nasal Obstruction Symptom Evaluation Scale with a
Septoplasty Deformity Grading System for the Evaluation of Nasal Obstruction**
Jeffrey T. Gu, MS, Irvine, CA; Brian J.F. Wong, MD PhD, Irvine, CA
- 11:26 Q&A**
- 11:30 - 12:25 MANAGEMENT OF DYSPLASTIC AND PREMALIGNANT LESIONS IN THE HEAD
AND NECK**
Moderator: Jeffrey M. Bumpous, MD FACS, Louisville, KY
Panelists: **Review of the Clinical Presentation and Pathology in Dysplastic
and Premalignant Lesions of the Head and Neck**
Jeffrey M. Bumpous, MD FACS, Louisville, KY
**Optical Coherence Tomography and Other Clinically Useful
Technologies in the Detection and Management of Oral and
Laryngeal Dysplasia**
William B. Armstrong, MD FACS, Irvine, CA
**Can Biomarkers and Genetics Tell Us How to Manage Dysplastic
and Premalignant Lesions Better**
Jeffrey N. Myers, MD FACS, Houston, TX
The Role of Metformin in Preventing Progression of Dysplasia
Marshall Strome, MD MS, Scottsdale, AZ
- 12:25 Q&A**
- 12:30 ADJOURN SESSIONS**
- AFTERNOON & EVENING - LEISURE OR ACTIVITIES**
- 12:30 GOLF OUTING (pre-registration required) - Kierland Golf Club**
- 12:45 - 1:30 TRIOLOGICAL THESIS SEMINAR (pre-registration required) – Powell AB**
- 1:00 - 2:15 RESIDENT BOWL (pre-registration required) - Kierland 2**

12:45 - 2:45 **PHYSICIAN/SCIENTIST MEETING (by invitation) – Merriam AB**

2:30 - 6:00 **AMERICAN SOCIETY OF GERIATRIC OTOLARYNGOLOGY SCIENTIFIC SESSION (registration required with ASGO) – Kierland 1**

SATURDAY, JANUARY 20, 2018

7:00 - 7:50 **Business Meetings (Fellows Only)**
Eastern Section - Merriam AB
Middle Section - Powell AB

7:30 **Attendee Breakfast with Exhibitors - *Trailblazers***

7:55 - 9:45 **GENERAL SESSION - KIERLAND 1 & 2**

7:55 **Announcements – Hassan Ramadan, MD, Southern Section Vice President and Clough Shelton, MD, Western Section Vice President**

Introduction of Vice Presidents-Elect by Section Vice Presidents

Peak Woo, MD – Vice President-Elect, Eastern Section

Brent Senior, MD – Vice President-Elect, Southern Section

Brian Wong, MD – Vice President-Elect, Western Section

Pierre Lavertu, MD – Vice President-Elect, Middle Section

8:05 - 9:25

THE LATEST AND GREATEST

Moderator: Stacey L. Ishman, MD MPH, Cincinnati, OH

Panelists: **Management of Spasmodic Dysphonia and Vocal Tremor**
Ted Mau, MD PhD, Dallas, TX

Drug Eluting Stents in Rhinology

Joseph K. Han, MD, Norfolk, VA

Management of Osteoradionecrosis of the Skull Base

Peter D. Costantino, MD FACS, New York, NY

Transgender Laryngeal Surgery

Sid M. Khosla, MD, Cincinnati, OH

Value Based Head and Neck Cancer Care

Randal S. Weber, MD FACS, Houston, TX

Global Surgery: Current Evidence for Improving Surgical Care

Susan R. Cordes, MD FACS, Ukiah, CA

9:25

Q&A

9:30 - 10:00

Break with Exhibitors/View Posters - Trailblazers

10:00 - 12:00 CONCURRENT SESSION 5A
GENERAL AND HEAD AND NECK - KIERLAND 1

- 10:00 - 11:00** **POINT/COUNTERPOINT: WHAT IS THE BEST WAY TO RECONSTRUCT THIS DEFECT?**
Moderator: Brett A. Miles, MD DDS FACS, New York, NY
Panelists: **Team Free Flap**
Matthew M. Hanasono, MD FACS, Houston, TX
Mark K. Wax, MD FACS, Portland, OR
 Team Regional Flap
Daniel G. Deschler, MD FACS, Boston, MA
Samir Suresh Khariwala, MD, Minneapolis, MN
- 11:00** **Q&A**

 Moderator: Bhuvanesh Singh, MD FACS, New York, NY
- 11:05** **2017 THESIS AWARD - HONORABLE MENTION, BASIC SCIENCE**
Genetic Determinants of PDX Growth in HPV+ Head and Neck Cancer
Devraj Basu, MD PhD FACS, Philadelphia, PA
- 11:12** **Understanding the Natural History of Papillary Thyroid Cancer: A Case Series**
Jonathan K. Lin, MD MBA, Oakland, CA; Whitney Chiao, BS, Oakland, CA;
Nathaniel E. Calixto, BS, Oakland, CA; Megan L. Durr, MD, Oakland, CA; Jeanne Darbinian, MPH, Oakland, CA; Lori C. Sakoda, MPH PhD, Oakland, CA
- 11:19** **Transoral Thyroidectomy Using a Novel Flexible Robotic System: A Preclinical Cadaver Feasibility Study**
Elizabeth E. Cottrill, MD, Hershey, PA; Emily K. Funk, MD, Hershey, PA; David Goldenberg, MD FACS, Hershey, PA; Neerav Goyal, MD MPH, Hershey, PA
- 11:26** **James Harrill, MD Resident Research Award**
Efficacy of Curcumin Release in Novel Gum Formulation for Prevention of Oral Cavity Head and Neck Squamous Cell Carcinoma
Lindsay C. Boven, MD, Shreveport, LA; Brian Latimer, BS, Shreveport, LA;
Kenneth E. McMartin, PhD, Shreveport, LA; Tara Moore-Medlin, BS, Shreveport, LA;
Cherie-Ann O. Nathan, MD, Shreveport, LA
- 11:33** **Telemedicine in the Otolaryngology Outpatient Setting -- The Head and Neck Surgery Experience**
Ryan A. Rimmer, MD, Philadelphia, PA; Ailsa A. Falck, BS, Philadelphia, PA;
David M. Cognetti, MD, Philadelphia, PA
- 11:40** **Does Postoperative Parathyroid Hormone Value Predict Hypocalcemia after Total Thyroidectomy in Patients with Parathyroid Tissue Removal?**
Ramez H.W. Philips, BS, Columbus, OH; Phillip A. Nulty, BS, Columbus, OH;
Nolan B. Seim, MD, Columbus, OH; Garth F. Essig, MD, Columbus, OH
- 11:47** **Perceptions of Electronic Health Records (EHR) within Otolaryngology Residents Compared to Practicing Otolaryngologists**
Peter A. Harrill, BA, Chapel Hill, NC; David E. Melon, MD FACS, Hickory, NC;
Merritt J. Seshul, MD FACS, Hickory, NC; Adam M. Zanation, MD FACS, Chapel Hill, NC
- 11:54** **Q&A**
- 12:00 - 1:00** **Lunch/Visit Exhibits/View Posters - Trailblazers**

10:00 - 12:00 CONCURRENT SESSION 5B

OTOLOGY/NEUROTOLOGY - KIERLAND 2

Moderator: Soha N. Ghossaini, MD FACS, Auburndale, NY

- 10:00** **Observed Otopathologic Changes Following Cochlear Implant Electrode Misplacement**
Danielle R. Trakimas, MSE, Boston, MA; Iman Ghanad, Boston, MA; Elliott D. Kozin, MD, Boston, MA; Barbara Herrmann, PhD, Boston, MA; Joseph B. Nadol, MD, Boston, MA; Aaron K. Remenschneider, MD MPH, Boston, MA
- 10:07** **Predicting Postoperative Facial Function Using Motor Evoked Potential Monitoring during Lateral Skull Base Surgery**
Kareem O. Tawfik, MD, Cincinnati, OH; Zoe A. Walters, BS, Cincinnati, OH (Presenter); Gavriel D. Kohlberg, MD, Cincinnati, OH; Noga Lipschitz, MD, Cincinnati, OH; Joseph T. Breen, MD, Cincinnati, OH; Mario Zuccarello, MD, Cincinnati, OH; Ravi N. Samy, MD, Cincinnati, OH
- 10:14** **Association between Preoperative MRI Findings and Hearing Outcomes after Middle Fossa Craniotomy Approach for Vestibular Schwannomas**
Nathan C. Tu, MD, Los Angeles, CA; Tymon Tai, MD, Los Angeles, CA; Laurel M. Fisher, PhD, Los Angeles, CA; Steven L. Giannotta, MD, Los Angeles, CA; Rick A. Friedman, MD PhD, Los Angeles, CA
- 10:21** **Extrusion of Straight Cochlear Implant Electrodes May Be Diminished by Proximal Fixation**
Faisal Zawawi, MD MSc FRCSC, Toronto, ON Canada; Sharon L. Cushing, MD, Toronto, ON Canada; Karen A. Gordon, PhD, Toronto, ON Canada; Adrian L. James, MD, Toronto, ON Canada; Blake C. Papsin, MD, Toronto, ON Canada
- 10:28** **Patterns of Hearing Loss among Children with GJB2 Sequencing: A Comparison between Wild Type and Mutated Genotypes**
Heather K. Schopper, BS, Charleston, SC; Forest W. Weir, MD, Cincinnati, OH; Monique D. Courtenay, PhD, Charleston, SC; David R. White, MD, Charleston, SC; Ted A. Meyer, MD PhD, Charleston, SC
- 10:35** **Subtle CT Findings Suggestive of Perilymphatic Gusher**
Varun V. Varadarajan, MD, Gainesville, FL; Reordan O. Dejesus, MD, Gainesville, FL; Patrick J. Antonelli, MD, Gainesville, FL
- 10:42** **Nonauditory Cognitive Ability in Cochlear Implant Users versus Normal Hearing Individuals**
Scott T. Kramer, MD, Columbus, OH; Aaron C. Moberly, MD, Columbus, OH
- 10:49** **Q&A**
- 10:55 - 11:55** **WHAT OTOLARYNGOLOGISTS NEED TO KNOW ABOUT CMV**
Moderator: Albert H. Park, MD, Salt Lake City, UT
Panelists: Daniel I. Choo, MD FACS, Cincinnati, OH
Kenneth H. Lee, MD PhD, Plano, TX
James E. Saunders, MD, Lebanon, NH

11:55 **Q&A**

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

Moderator: Laura J. Orvidas, MD FACS, Rochester, MN

- 1:10** **The Accuracy of Chest X-Ray Measurements of Pediatric Ingested Foreign Bodies**
 Phillip A. Huyett, MD, Pittsburgh, PA; Amber D. Shaffer, PhD, Pittsburgh, PA; Lynda L. Flom, MD, Pittsburgh, PA; Jeffrey P. Simons, MD, Pittsburgh, PA; Noel Jabbour, MD, Pittsburgh, PA
- 1:17** **A NSQIP View of Rhinoplasty in Children: Patient Characteristics and Perioperative Outcomes**
 Rebecca J. Kamil, MD, Baltimore, MD; Christopher R. Roxbury, MD, Cleveland, OH; Emily F. Boss, MD MPH, Baltimore, MD
- 1:24** **G. Slaughter Fitz-Hugh, MD Resident Research Award Using Clinical Indicators to Reduce Peri-Anesthesia Recovery Time Following Outpatient Tonsillectomy**
 Habib G. Zalzal, MD, Morgantown, WV; Chadi A. Makary, MD, Martinsburg, WV; Hassan H. Ramadan, MD, Morgantown, WV
- 1:31** **Geographic Health Disparities in the Pediatric Head and Neck Abscess Population**
 Varun Angajala, MS, Los Angeles, CA; Kevin Hur, MD, Los Angeles, CA; Lia Jacobson, MD, Los Angeles, CA; Christian Hochstim, MD PhD, Los Angeles, CA
- 1:38** **Lessons Learned from the Candidacy Assessment of Children with Single Sided Deafness Presenting for Unilateral Cochlear Implantation**
 Sharon L. Cushing, MD MSc, Toronto, ON Canada; Karen A. Gordon, PhD, Toronto, ON Canada; Meirav Sokolov, MD, Toronto, ON Canada; Melissa Polonenko, MScAud PhD, Tronto, ON Canada; Susan L. Blaser, MD, Toronto, ON Canada; Blake C. Papsin, MD MSc FRCSC, Toronto, ON Canada
- 1:45** **Three Dimensional Imaging and Printed Reconstruction for Difficult Airway Surgical Planning**
 Sara C. Gallant, MD, New York, NY; Zahrah M. Taufique, MD MBA, New York, NY; Clifford Chang, BA, New York, NY; Scott M. Rickert, MD, New York, NY
- 1:52** **Effect of Changing Postoperative Management on Bleeding Rates in Tonsillectomy Patients: An Institutional Review**
 Alexandra C. Fonseca, BS, Houston, TX; Margaret I. Engelhardt, BS, Houston, TX; Soham Roy, MD, Houston, TX
- 1:59** **Q&A**
- 2:05 - 3:00** **FRENOTOMY FOR TONGUE AND LIP TIES - EXPLODING DIAGNOSES - WHAT'S GOING ON?**
Moderator: Diego Alfonso Preciado, MD PhD, Washington, DC
Panelists: Earl H. Harley, MD FACS, Washington, DC
 Anna H. Messner, MD, Stanford, CA
 Andrew R. Scott, MD FACS, Boston, MA
- 3:00** **Q&A**

1:10 - 3:05 CONCURRENT SESSION 6B
GENERAL AND SLEEP MEDICINE - KIERLAND 2

1:10 - 2:00

WHAT YOU NEED TO KNOW ABOUT GENETIC TESTING IN OTOLARYNGOLOGY

Moderator: Richard J. H. Smith, MD FACS, Iowa City, IA

Panelists: **Pharmacogenetic Testing in Medicine (and Otolaryngology)**

Richard J. H. Smith, MD FACS, Iowa City, IA

Germ-Line Mutations and Genetic Testing: Hearing Loss

Eliot Shearer, MD PhD, Iowa City, IA

Somatic Mutation and Genetic Testing: Its Transformative Role in Cancer

Nishant Agrawal, MD FACS, Chicago, IL

2:00

Q&A

Moderator: Natasha Mirza, MD FACS, Philadelphia, PA

2:05

A Clinical Care Pathway to Provide Postoperative Risk Assessment for Patients Diagnosed with or at Risk for Obstructive Sleep Apnea

Katherine W. Chang, BS, Cincinnati, OH; Reena D. Patil, MD, Cincinnati, OH; David L. Steward, MD, Cincinnati, OH; Vidhata P. Malhotra, MD, Cincinnati, OH; Jareen K. Meinzen-Derr, PhD MPH, Cincinnati, OH

2:12

Chronic Cough: A Symptom of Obstructive Sleep Apnea?

Amulya Yalamanchili, BA, Chicago, IL; Christopher J. Gouveia, MD, Stanford, CA; Saied Ghadersohi, MD, Chicago, IL; Bruce K. Tan, MD, Chicago, IL

2:19

Dysfunctional Internal Pulse Generator after Electrical Cardioversion in a Patient with Hypoglossal Nerve Stimulator

Adam P. Vasconcellos, MD, Philadelphia, PA; Colin T. Huntley, MD, Philadelphia, PA; Maurits S. Boon, MD, Philadelphia, PA

2:26

A Standardized Clinical Assessment and Management Plan (SCAMP) to Optimize Treatment for Infants with Obstructive Sleep Apnea

Hannah E. Qualls, MD, Cincinnati, OH; Nithin S. Peddireddy, BS, Cincinnati, OH; Rahul N. Prasad, MBA, Cincinnati, OH; Angela L. Duggins, RN BSN, Cincinnati, OH; Matthew T. Maksimoski, MD, Chicago, IL; Stacey L. Ishman, MD MPH, Cincinnati, OH

2:33

The Future of Obstructive Sleep Apnea: An Examination of Clinical Trials for OSA

Sameer K. Singh, BA, Chicago, IL; David Gu, BA, Chicago, IL; Stanley Y. Liu, MD, Stanford, CA; Robson Capasso, MD, Stanford, CA; Christopher J. Gouveia, MD, Stanford, CA

2:40

Diagnostic Techniques and Surgical Outcomes for Persistent Pediatric Obstructive Sleep Apnea: A Systematic Review and Meta-Analysis

Melissa A. Socarras, BS MA, Chicago, IL; Barcleigh P. Landau, MD, Oakland, CA; Megan L. Durr, MD, Oakland, CA

2:47

Nonparametric Regression Analysis of Pediatric Sleep Studies: An Alternative to Linear Analysis

Allison G. Ordemann, MD, Dallas, TX; Romaine F. Johnson, MD, Dallas, TX; Ron B. Mitchell, MD, Dallas, TX

2:54 **Assessing Nasal Complaints in Obstructive Sleep Apnea Patients**
Christopher J. Gouveia, MD, Stanford, CA; Amulya Yalamanchili, BA,
Chicago, IL (Presenter); Saied Ghadersohi, MD, Chicago, IL; Bruce K. Tan, MD,
Chicago, IL

3:00 **Q&A**

3:05 - 3:30 **Break/View Posters - Trailblazers**

3:30 - 5:15 - GENERAL SESSION - KIERLAND 1 & 2

3:30 - 4:40 pm **CHALLENGES IN CONTEMPORARY, EFFICIENT PRACTICE ENVIRONMENTS**

Moderator: David W. Eisele, MD FACS, Baltimore, MD
Panelists: **Academic Activities in the World of Work RVU**
D. Bradley Welling, MD PhD FACS, Boston, MA
Cancer Care in the Community
Cherie-Ann Nathan, MD FACS, Shreveport, LA
Physician Extenders and Scribes (Community)
John T. McElveen Jr., MD, Raleigh, NC
Physician Extenders and Scribes (Academics)
Melissa A. Pynnonen, MD MS, Ann Arbor, MI
Effective Use of the EMR
Stephen J. Wetmore, MD FACS, Morgantown, WV

4:40 **Q&A**

4:45 - 5:40 pm **CONTROVERSIES IN OTOLARYNGOLOGY**

Moderator: Gerald B. Healy, MD FACS, Boston, MA
Panelists: **Management of Congenital Aural Atresia**
Bradley W. Kesser, MD, Charlottesville, VA
Management of the Middle Turbinate
Ashutosh Kacker, MD FACS, New York, NY
Management of Neck Melanoma: To Dissect or Not
Carol R. Bradford, MD FACS, Ann Arbor, MI
Parameters for Selection of Residents
Howard W. Francis, MD, Durham, NC

5:40 pm **Q&A**

5:45 pm **ADJOURN SESSION**

5:45 pm **MEET THE AUTHORS POSTER RECEPTION - for all attendees - Trailblazers**

7:00 pm **PARTY IN THE DESERT - for all attendees - Northern Sky Terrace**

POSTER PROGRAM

Allergy/Rhinology

1. **Ayurvedic Medicine in the Treatment of Chronic Rhinosinusitis: A Systematic Review of Randomized and Nonrandomized Trials**
Charles N. Babb, BM, Rochester, NY; Isaac L. Schmale, MD, Rochester, NY; Li-Xing Man, MSc MD MPA, Rochester, NY
2. **Giant and Macrodenomas: Sinonasal Outcomes of Infraselar Extension**
Karam W. Badran, MD, Los Angeles, CA; Edward C. Kuan, MD MBA, Los Angeles, CA; Alex N. Goel, BA, Los Angeles, CA; Marvin Bergsneider, MD, Los Angeles, CA; Marilene B. Wang, MD, Los Angeles, CA
3. **Relationship between Allergic Rhinitis Control and Frequency of Sinus Infections**
Raphael George Banoub, BS, Detroit, MI; Lloyd P. Hoehle, BA BS, Boston, MA; Katie M. Phillips, MD, Boston, MA; David S. Caradonna, MD DMD, Boston, MA; Stacey T. Gray, MD, Boston, MA; Ahmad R. Sedaghat, MD PhD, Boston, MA
4. **Early Intervention and Reduced Mortality in Acute Invasive Fungal Sinusitis: A Single Institution Experience**
Samuel R. Barber, MD, Tucson, AZ; Tyson J. Nielsen, MD, Tucson, AZ; Saurabh Sharma, MD, Tucson, AZ; Eugene H. Chang, MD, Tucson, AZ; Stephen A. Goldstein, MD, Tucson, AZ; Christopher H. Le, MD, Tucson, AZ
5. **Pseudoaneurysm of the Descending Palatine Artery after Le Fort I Osteotomy: A Case Report and Review of the Literature**
Amishav Y. Bresler, MD, Newark, NJ; Wayne D. Hsueh, MD, Newark, NJ; Shahid R. Aziz, DMD FACS, Newark, NJ; Jean A. Eloy, MD FACS, Newark, NJ
6. **The Role of Steroid Eluting Stents to Decrease Recurrence Risk in Adolescents with Allergic Fungal Rhinosinusitis**
Brandon I. Esianor, BS, Houston, TX; William C. Yao, MD, Houston, TX; Soham Roy, MD, Houston, TX
7. **Biphenotypic Sinonasal Sarcoma Presenting as Inverted Papilloma: Report of a Rare Case and Review of the Literature**
Mingyang L. Gray, MD MPH, New York, NY; Guiseppe Cruciata, MD, New York, NY; Peter M. Som, MD, New York, NY; Satish Govindaraj, MD, New York, NY
8. **Risk Factors for Disease Recurrence Following Surgery for Allergic Fungal Rhinosinusitis**
Christopher J. Ito, MD, Augusta, GA; Thomas W. Holmes, MD, Augusta, GA; Mingsi Li, MD, Augusta, GA; Stilianos E. Kountakis, MD PhD, Augusta, GA
9. **Maxillary Sinus Cholesterol Granuloma**
Nadeem R. Kolia, MD, Rochester, NY; Weitao Wang, MD, Rochester, NY; Li-Xing Man, MSc MD MPA, Rochester, NY
10. **Crenotherapy as a Complementary and Alternative Treatment for Chronic Rhinosinusitis: A Systematic Review**
Luis E. Monterroso, BA, Rochester, NY; Isaac L. Schmale, MD, Rochester, NY; Li-Xing Man, MSc MD MPA, Rochester, NY
11. **The Burden of Sinusitis in Hematologic Transplant Patients: A National Perspective**
Vivek C. Pandrangi, BA, Richmond, VA; Evan R. Reiter, MD, Richmond, VA

12. **Actinomyces Acute Rhinosinusitis Complicated by Subperiosteal Abscess in an Immunocompromised 12 Year Old: Case Report and Review of the Literature**
Isaac L. Schmale, MD, Rochester, NY; Li-Xing Man, MSc MD MPA, Rochester, NY;
Margo M. Benoit, MD, Rochester, NY; John J. Faria, MD, Rochester, NY
13. **Socioeconomic Factors Associated with Readmissions and Length of Stay after Transsphenoidal Pituitary Surgery: The Benefit of Experienced Centers**
Joshua R. Zeiger, BA, New York, NY; Anthony Yang, BS, New York, NY;
Sarah M. Kidwai, MD, New York, NY; Satish Govindaraj, MD, New York, NY;
Raj K. Shrivastava, MD, New York, NY; Alfred M.C. Iloreta, MD, New York, NY
14. **Measuring Nasal Mucosa Ciliary Beat Frequency Using Optical Coherence Tomography**
Alisa Zhukhovitskaya, MD, Irvine, CA; Jason J. Chen, BS, Irvine, CA; Jeffrey T. Gu, BS, Irvine, CA; Andrew E. Heidari, BS, Irvine, CA; Zhongping Chen, MD, Irvine, CA;
Brian J.F. Wong, MD PhD, Irvine, CA
15. **Recovery from Rhinitis Medicamentosa: A Systematic Review**
Shana M. Zucker, BA, New Orleans, LA; Blair M. Barton, MD, New Orleans, LA;
Edward D. McCoul, MD, New Orleans, LA

Facial Plastic & Reconstructive

16. **Effect of Mandibular Involvement on Complication Rates of Facial Fracture Repair**
Gregory L. Barinsky, PharmD, Newark, NJ; Marcus L. Elias, BS, Newark, NJ;
Joseph S. Weisberger, MS, Newark, NJ; Meghan Crippen, MS, Newark, NJ;
Richard C.W. Park, MD, Newark, NJ; Boris Paskhover, MD, Newark, NJ
17. **Complications and Informed Consent in Rhinoplasty**
Dalan M. Cragun Irvine, CA; Brian J.F. Wong, MD, Irvine, CA; Hollin E. Calloway, MD, Irvine, CA
18. **Hemostatic Profile and Microvascular Reconstructive Surgery of the Head and Neck: An Analysis of Postoperative Risk**
Marcus L. Elias, BS, Newark, NJ; Joseph S. Weisberger, MS, Newark, NJ;
Meghan M. Crippen, MS, Newark, NJ; Jean A. Eloy, MD, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard C. Park, MD, Newark, NJ
19. **John J. Conley, MD Resident Research Award**
FACE-Q Patient Perceived Nasal Appearance Evaluation Following Functional Septorhinoplasty with Spreader Graft Placement
Jennifer C. Fuller, MD, Boston, MA; Patricia A. Levesque, BS, Boston, MA;
Robin W. Lindsay, MD, Boston, MA
20. **Stereolithography as an Aid for Free Tissue Transfer Mandibular Reconstruction**
Dominick J. Gadaleta, MD, Philadelphia, PA; Nicholas Rankin, BS, Philadelphia, PA; Denis Huang, BS, Philadelphia, PA; Bon Ku, MD, Philadelphia, PA; Adam Flanders, MD, Philadelphia, PA
21. **Free Tissue Transfer in Patients with Ichthyosis**
Savannah Gelesko, MD DDS, Portland, OR; Jeff Wong, Bsc, Portland, OR; Matthew Hanasono, MD, Houston, TX; Ted Teknos, MD, Columbus, OH; Mark Wax, MD, Portland, OR; Daniel Petrisor, MD DDS, Portland, OR
22. **Turnkey Ultra-high Definition Point of View Operative Video Using Cell Phone and Telephoto Lens for Facial Plastic Surgery**
Allison C. Hu, BA, Irvine, CA; Amir A. Hakimi, BA, Irvine, CA; Brian J.F. Wong, MD PhD, Irvine, CA

23. **Fibrous Mass as a Delayed Complication of Nasal Osteotomy**
Richard Kao, MD, Indianapolis, IN; Brian C. Lobo, MD, Cleveland, OH;
Taha Z. Shipchandler, MD, Indianapolis, IN
24. **Supercharged Pectoralis Major Myocutaneous Flap for Early Venous Congestion**
Andrew H. Lee, MD, Baltimore, MD; Irene A. Kim, MD, Los Angeles, CA;
Christopher J. Britt, MD, Baltimore, MD; Shaun C. Desai, MD, Baltimore, MD
25. **Development and Evaluation of Rhinoplasty Suture Simulator as a Potential Training Model for Novice Surgeons**
Connie J. Oh, BS, Irvine, CA; Prem Tripathi, MD MPH, Irvine, CA; Pamela Borden, BS, Irvine, CA; Brian J.F. Wong, MD PhD, Irvine, CA
26. **Weather and Temporal Patterns in Pediatric Facial Fractures**
Cyrus Cameron Rabbani, MD, Indianapolis, IN; Jack E. Burgeson, BS, Indianapolis, IN;
Richard Kao, MD, Indianapolis, IN; Taha Z. Shipchandler, MD, Indianapolis, IN;
David M. Chan, MD, Indianapolis, IN; Michael W. Sim, MD, Indianapolis, IN
27. **Temporoparietal Fascial Flap for Orbital and Eyelid Reconstruction**
Akshay Sanan, MD, Philadelphia, PA; Ryan N. Heffelfinger, MD, Philadelphia, PA
28. **The Use of Free Muscle Tissue Transfer for Coverage of Synthetic Custom Implants in Scalp Reconstruction**
Vanessa C. Stubbs, MD, Philadelphia, PA; Karthik Rajasekaran, MD, Philadelphia, PA;
Rabie M. Shanti, MD, Philadelphia, PA; John Y.K. Lee, MD MSCE, Philadelphia, PA;
Jason G. Newman, MD, Philadelphia, PA; Steven B. Cannady, MD, Philadelphia, PA
29. **Changes in Nasal Staphylococcus Colonization and Infection Rates after Nasal Surgery**
Warren C. Swegal, MD, Detroit, MI; Robert Deeb, MD, Detroit, MI; Joshua B. Greene, MD, Detroit, MI; Mary-Beth Perri Detroit, MI; Marcus Zervos Detroit, MI; Lamont Jones, MD, Detroit, MI
30. **Minimally Invasive Reconstruction of Clival Defects by Free Flap Delivery Through Caldwell-Luc**
Brian P. Swendseid, MD, Philadelphia, PA; Akshay Sanan, MD, Philadelphia, PA;
Timothy E. Ortlip, MD, Philadelphia, PA; Ryan N. Heffelfinger, MD, Philadelphia, PA
31. **Risk Factors Associated with Postoperative Complications in Paramedian Forehead Flaps**
Prem B. Tripathi, MD, Irvine, CA; Yarah M. Haidar, MD, Irvine, CA; Hossein Mahboubi, MD, Irvine, CA; Jeffrey T. Gu, BS, Irvine, CA; Tjason Tjoa, MD, Irvine, CA
32. **Computer Aided Free Flap Reconstruction after Facial Gunshot Wounds**
Savannah G. Weedman, MD, Portland, OR; Jeff W. Wong, BS, Portland, OR;
Daniel I. Petrisor, MD, Portland, OR; Mark K. Wax, MD, Portland, OR
33. **Treatment of Intramural Exposed Bone with Porcine Urinary Bladder Extracellular Matrix**
Ryan D. Winters, MD, New Orleans, LA; Brandon Prendes, MD, Cleveland, OH
34. **Spider Limb Positioning Device Facilitates Arm Positioning during Pedicle Dissection of Subscapular System Free Flaps**
Jeff Wong, Bsc, Portland, OR; Savannah Gelesko, MD DDS, Portland, OR; James Azzi, MD, Portland, OR; Daniel Petrisor, MD, Portland, OR; Mark Wax, MD, Portland, OR

35. **Long Term Improvement in Nasal Obstruction and Global Health Related Quality of Life after Functional Septorhinoplasty with and without Turbinoplasty**
Alisa Yamasaki, MD, Boston, MA; Patricia A. Levesque, BS MS, Boston, MA;
Jennifer C. Fuller, MD, Boston, MA; Benjamin S. Bleier, MD, Boston, MA;
Stacey T. Gray, MD, Boston, MA; Robin W. Lindsay, MD, Boston, MA

General/Clinical Fundamentals/Sleep Medicine/Laryngology/Bronchoesophagology

36. **Nontuberculous Mycobacterial Pharyngitis: Case Presentation and Review of the Literature**
Karam W. Badran, MD, Los Angeles, CA; Benjamin Rafii, MD, Los Angeles, CA;
Abie H. Mendelsohn, MD, Los Angeles, CA
37. **Floor of Mouth Dermoid Cyst Mimicking an Oral Ranula**
Amy P. Bansal, MD, Newark, NJ; Amishav Y. Bresler, MD, Newark, NJ;
Debra S. Heller, MD, Newark, NJ; Evelyne Kalyoussef, MD, Newark, NJ
38. **Otolaryngology Boot Camps: Current Landscape and Future Directions**
Christine E. Demason, MD, Chapel Hill, NC; Kelly M. Dean, MD, Chapel Hill, NC;
Sukgi S. Choi, MD, Boston, MA; Kelly M. Malloy, MD, Ann Arbor, MI; Sonya
Malekzadeh, MD, Washington, DC
39. **Unusual Presentation of Bilateral Facial Paralysis**
Shannon D. Fayson Columbus, OH; Minka L. Schofield, MD FAAOA, Columbus, OH
40. **A Rare Intralingual Congenital Teratoid Cyst with Recurrence as a Dermoid Cyst in an Infant**
David M. Garber, MD, New York, NY; Erich P. Voigt, MD, New York, NY;
Kristen M. Thomas, MD, New York, NY; Mari Hagiwara, MD, New York, NY
41. **Increased Risk of Laryngopharyngeal Reflux in Obstructive Sleep Apnea Patients**
Christopher J. Gouveia, MD, Stanford, CA; Saied Ghadersohi, MD, Chicago, IL; Amulya
Yalamanchili, BA, Chicago, IL; Bruce K. Tan, MD, Chicago, IL
42. **Does the SLOR Matter? Comparing the SLOR with Objective Applicant Measures in the Otolaryngology Match**
Jeffrey T. Gu, MS, Irvine, CA; Allison Hu, BS, Irvine, CA; Brian J.F. Wong, MD PhD,
Irvine, CA
43. **Indications for Sternotomy in Thyroidectomy: A Case Report and Review of Literature**
Christine M. Kim, MD, Los Angeles, CA; John W. Frederick, MD, Los Angeles, CA;
Eddie A. Ramirez, MD, Los Angeles, CA
44. **Impact of an Upper Respiratory Tract Infection on Botulinum Toxin Efficacy in Spasmodic Dysphonia Patients**
Diana N. Kirke, MBBS, New York, NY; Rachel Kaye, MD, Newark, NJ; Andrew Blitzer, DDS
MD, New York, NY
45. **Charge disparities in the management of epistaxis in New York State**
Sean P. McKee, BS, New York, NY; Anthony Yang, BS, New York, NY;
Mingyang L. Gray, MD, New York, NY; Sarah M. Kidwai, MD, New York, NY;
Patrick M. Colley, MD, New York, NY; Alfred M.C. Iloreta, MD, New York, NY
46. **Occult Squamous Cell Carcinoma in the Tonsil of OSA Patients**
Tate M. Naylor, MD, Memphis, TN; Huaihong H. Chen, MD, Memphis, TN;
Shaun A. Nguyen, MD, Charleston, SC; Marion B. Gillespie, MD, Memphis, TN

47. **Reasons for CPAP Failure in OSA Patients Presenting for Upper Airway Stimulation Therapy**
Tate M. Naylor, MD, Memphis, TN; Cecil B. Rhodes, MD, Memphis, TN;
Amani G. Obeid, MD, Memphis, TN; Marion B. Gillespie, MD, Memphis, TN
48. **Correlation between Fine Needle Aspiration Cytology and Histopathology in Medullary Thyroid Carcinomas**
Yin Ren, MD PhD, Boston, MA; Natalia Kyriazidis, MD, Boston, MA; Dipti Kamani, MD, Boston, MA; Rayan Saade, MD, Boston, MA; William C. Faquin, MD PhD, Boston, MA; Gregory W. Randolph, MD, Boston, MA
49. **An Unusual Complication of Medialization Thyroplasty**
Shruthi K. Rereddy, MD, Philadelphia, PA; Natasha Mirza, MD, Philadelphia, PA
50. **Combined Anterograde-Retrograde Approach to Severe Pharyngoesophageal Stricture after Circumferential Free Flap Reconstruction**
Caroline C. Rieger, MD, Washington, DC; William Z. Gao, MD, Washington, DC; Shaum S. Sridharan, MD, Washington, DC
51. **Iron Pill Induced Chemical Laryngitis**
Rishabh Sethia, BS, Columbus, OH; Laura Matrka, MD, Columbus, OH
52. **Comparison of Upper Airway Stimulation and Transoral Robotic Surgery for the Treatment of Obstructive Sleep Apnea**
Michael C. Topf, MD, Philadelphia, PA; Colin T. Huntley, MD, Philadelphia, PA; Vanessa M. Christopher, BA, Philadelphia, PA; Joseph M. Curry, MD, Philadelphia, PA; Maurits S. Boon, MD, Philadelphia, PA
53. **The Phonetically Specific Oral Cavity Detection by Applying Programmed High Frequency Signal**
Shu Wei Tsai, MD, Palo Alto, CA; Yi-hsin Chen, PhD, Taipei, Taiwan; Yero Yeh, PhD, Taipei, Taiwan
54. **Dress to Impress? Investigating Patient Preferences in Physician Attire in the Outpatient Otolaryngology Setting**
Kevin Wong, BA, Boston, MA; Leah Sax, BS, Boston, MA; Anand K. Devaiah, MD, Boston, MA; Gregory A. Grillone, MD, Boston, MA
55. **Ramsay-Hunt: An Interesting Case of Multiple Cranial Neuropathies**
Christopher C. Xiao, MD, Oakland, CA; Christopher G. Tang, MD, San Francisco, CA
56. **Socioeconomic and Racial Disparity in Treatments of Epistaxis**
Anthony Yang, BS, New York, NY; Mingyang L. Gray, MD, New York, NY; Sean P. McKee, BS, New York, NY; Sarah M. Kidwai, MD, New York, NY; Anthony di Signore, MD, New York, NY; Alfred M.C. Iloreta, MD, New York, NY

Head & Neck

57. **Management of the Neck in Regionally Metastatic HPV Associated Oropharyngeal Squamous Cell Carcinoma**
Hena S. Ahmed, BS, Boston, MA; Anuraag S. Parikh, MD, Boston, MA; Beshar Assi, MD, Boston, MA; Sidharth V. Puram, MD PhD, Boston, MA; Mark A. Varvares, MD, Boston, MA
58. **Transoral Robotic Surgery (TORS) for Pediatric Supraglottic Neurofibroma**
Mark A. Arnold, MD, Syracuse, NY; Mark F. Marzouk, MD, Syracuse, NY

59. **Optimizing Dynamic Optical Contrast Imaging (DOCI): An ex vivo Oral Cavity Animal Model**
Karam W. Badran, MD, Los Angeles, CA; Harrison Cheng, PhD, Los Angeles, CA; Sara Ardehali, BSc, Los Angeles, CA; Shijun Sung, PhD, Los Angeles, CA; Nikan K. Namari, BSc, Los Angeles, CA; Maie A. St. John, MD PhD, Los Angeles, CA
60. **Population Based Trends in Treatment and Outcomes in Adenocarcinoma of the Oral Cavity**
Gregory L. Barinsky, PharmD, Newark, NJ; Alexander Mozeika, PharmD, Newark, NJ; Jacob S. Brady, BA, Newark, NJ; Jean A. Eloy, MD, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard C.W. Park, MD, Newark, NJ
61. **A Unique Case of a Primary Angiosarcoma in the Buccal Mucosa**
Michael H. Berger, MD, Irvine, CA; Yarah M. Haidar, MD, Irvine, CA; Jennifer L. Anderson, PhD, Irvine, CA; Tjason Tjoa, MD, Irvine, CA
62. **Sentinel Lymph Node Biopsy in Malignant Chondroid Syringoma of the Scalp: A Case Report**
Clifford Chang, BA, New York City, NY; Eric Q. Lee, MD, New York City, NY; Fabio Ponzio, MD, New York City, NY; Cheng Liu, MD, New York City, NY; Kenneth Hu, MD, New York City, NY; Babak Givi, MD, New York City, NY
63. **Core Muscle Size as a Predictor of Outcomes in Head and Neck Free Flap Patients**
Tolbin M. Collett, MD, Loma Linda, CA; David A. Macias, BS, Loma Linda, CA; Paul C. Walker, MD, Loma Linda, CA; Jared C. Inman, MD, Loma Linda, CA; Carlos D. Chavez, MD, Loma Linda, CA
64. **A Case Series of Horner Syndrome Secondary to Metastatic Squamous Cell Carcinoma in the Neck**
Natalie A. Derise Shreveport, LA; Saudamini J. Lele, MD, Shreveport, LA; Shehanaz K. Ellika, MD, Shreveport, LA; Cherie-Ann O. Nathan, MD, Shreveport, LA
65. **William W. Montgomery, MD Resident Research Award**
Intraoperative Recurrent Laryngeal Nerve Monitoring during Thyroid Surgery: Trends among Otolaryngologists and General Surgeons
Allen L. Feng, MD, Boston, MA; Sidharth V. Puram, MD PhD, Boston, MA; Rahul Modi, MD, Boston, MA; Dipti Kamani, MD, Boston, MA; Gregory W. Randolph, MD FACS, Boston, MA
66. **Computed Tomography Characteristics of Parotid and Submandibular Salivary Stones**
Andrew J. Goates, BS, Iowa City, IA; Michaelangelo G. Fuortes, MD PhD, Iowa City, IA; Joan E. Maley, MD, Iowa City, IA; Henry T. Hoffman, MD, Iowa City, IA
67. **Carotid Body Paraganglioma with Lung Metastasis**
Jeewanjot S. Grewal, BS, Syracuse, NY; Mark A. Arnold, MD, Syracuse, NY; Jesse T. Ryan, MD, Syracuse, NY
68. **Warthin's Tumor of the Parotid Gland with Associated Salivary Calculi**
Yarah M. Haidar, MD, Irvine, CA; Michael Berger, MD, Irvine, CA; Jennifer Anderson, PhD, Irvine, CA; Tjason Tjoa, MD, Irvine, CA
69. **Variation in Partial and Total Thyroidectomy Costs in a Multi-Hospital Network**
Daniel B. Hall, BS, Salt Lake City, UT; Marcus M. Monroe, MD, Salt Lake City, UT; Richard B. Cannon, MD, Salt Lake City, UT; Jeremy D. Meier, MD, Salt Lake City, UT
70. **Pectoralis Major Flap with Preservation of Breast Implant**
Erin K. Haser, MD, Boston, MA; William S. Kim, MD, Boston, MA; Miriam A. O'Leary, MD, Boston, MA

71. **Impact of Patient Characteristics and Treatment Type on Survival in Anaplastic Thyroid Carcinoma: A Population Based Study**
Christopher M. Hatzis, BA, Newark, NJ; Roman Povolotskiy, BA, Newark, NJ; Meghan Crippen, MS, Newark, NJ; Jean Anderson Eloy, MD, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard C. Park, MD, Newark, NJ
72. **NUT Midline Carcinoma of the Larynx: A Unique Case of Response to Chemoradiotherapy**
Rohan R. Joshi, MD, New York City, NY; David G. Pfister, MD, New York City, NY; Richard J. Wong, MD, New York City, NY
73. **Differentiating Primary Neuroendocrine Tumors of the Larynx from Metastatic Medullary Thyroid Carcinoma: A Case Report and Review of Literature**
Christine M. Kim, MD, Los Angeles, CA; Karam W. Badran, MD, Los Angeles, CA; Alex N. Goel, BA, Los Angeles, CA; Veling W. Tsai, MD, Los Angeles, CA
74. **Multiple Simultaneous Head and Neck Cancers in Lynch Syndrome: A Case Report and Review of Literature**
Amanda Le Boston, MA; Daniel N. Johnson, MD, Boston, MA; Mark A. Varvares, MD, Boston, MA; Allen L. Feng, MD, Boston, MA
75. **Influence of a Multidisciplinary Head and Neck Oncology Tumor Board Conference on Quality of Care**
Eric Q. Lee, MD, New York City, NY; Clifford M. Chang, BA, New York City, NY (Presenter); Kenneth S. Hu, MD, New York City, NY; Mark D. Delacure, MD, New York City, NY; Mark S. Persky, MD, New York City, NY; Babak Givi, MD, New York City, NY
76. **Sialendoscopy with Intraductal Steroid Irrigation in Patients with Sialadenitis with Autoimmune Presentation**
Saudamini J. Lele, MD, Shreveport, LA; Torrey L. Fourrier, MD, Winston Salem, NC; Cherie Ann O. Nathan, MD, Shreveport, LA
77. **The Role of Frailty in Assessing Mortality Risk Inside and Outside the Operating Room**
Leila J. Mady, MD PhD MPH, Pittsburgh, PA; Marci L. Nilsen, PhD RN, Pittsburgh, PA; Jeffrey D. Borrebach, MS, Pittsburgh, PA; William G. Albergotti, MD, Charleston, SC; Daniel E. Hall, MD MHS FACS, Pittsburgh, PA; Jonas T. Johnson, MD, Pittsburgh, PA
78. **Schwannoma and Morsicatio Linguarum Masquerading as Oral Cancer: A Case Report**
Joseph B. Meleca, MD, Cleveland, OH; Robert R. Lorenz, MD, Cleveland, OH
79. **Patient Reported Outcomes Following Treatment for Oropharyngeal Cancer with Primary Radiation versus Surgery: An Analysis of the SEER-MHOS Database**
Elliot C. Morse, BS, New Haven, CT; Rance J.T. Fujiwara, BS, New Haven, CT; Saral Mehra, MD MBA, New Haven, CT
80. **Case Control Analysis Identifying Factors Affecting Noncompliance in Veterans with Head and Neck Squamous Cell Cancer**
Kelly F. Moyer, MD, Washington, DC; Jessica H. Maxwell, MD MPH, Washington, DC
81. **Parathyroid Carcinoma and Atypical Parathyroid Adenoma: A Case Series**
Rebecca C. Nelson, MD, Cleveland, OH; Deborah J. Chute, MD, Cleveland, OH; Brian B. Burkey, MD, Cleveland, OH

82. **Impact of Procedural Delay of Emergent Tracheostomies on Postoperative Complications**
Kalin K. Nishimori, MBS, Newark, NJ; Eric H. Zhao, BS, Newark, NJ; Jacob Brady, BA, Newark, NJ; Jean A. Eloy, MD, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard C. Park, MD, Newark, NJ
83. **WITHDRAWN - The Fragility of Statistically Significant Findings from Randomized Control Trials in Head and Neck Oncologic Surgery**
Christopher W. Noel, MD, Toronto, ON Canada; Caitlin McMullen, MD, Toronto, ON Canada; Christopher M. Yao, MD, Toronto, ON Canada; John R. De Almeida, MD MSc, Toronto, ON Canada
84. **Comparison of the Scapular Osteocutaneous Free Flap and Simultaneous Double Free Flaps with Fibula for Reconstruction of Large Composite Oromandibular Defects**
Melissa S. Oh, BA, Atlanta, GA; Mark W. El-Deiry, MD, Atlanta, GA; H. Michael Baddour, MD, Atlanta, GA; Danielle L. Gainor, MD, Atlanta, GA; Amy Y. Chen, MD, Atlanta, GA; Andrés M. Bur, MD, Kansas City, KS
85. **Case Report of a STAT-6 Negative Solitary Fibrous Tumor**
Susannah C. Orzell, MD MPH, Syracuse, NY; Yesha Sheth, MD, Syracuse, NY; Jesse T. Ryan, MD, Syracuse, NY
86. **Parathyromatosis and Intraoperative PTH Monitoring: A Case Report and Literature Review**
Mauricio Parra-Ferro, MS, Gainesville, FL; Peter T. Dziegielewski, MD, Gainesville, FL; Alan Tate, MD, Gainesville, FL
87. **Advanced Head and Neck Surgical Techniques: A Survey Based Assessment of Otolaryngology-Head and Neck Surgery Resident Perspectives**
Karolina A. Plonowska, BS, San Francisco, CA; Patrick K. Ha, MD, San Francisco, CA; William R. Ryan, MD, San Francisco, CA
88. **Uvular Metastasis of Renal Cell Carcinoma 27 Years after Nephrectomy**
Viran J. Ranasinghe, MD, Philadelphia, PA; David Lerner, BS, Philadelphia, PA; Karthik Rajasekeran, MD, Philadelphia, PA; Rabie M. Shanti, MD DMD, Philadelphia, PA; Jason G. Newman, MD, Philadelphia, PA; Steven B. Cannady, MD, Philadelphia, PA
89. **The Effect of Psychological Distress on Hospital Length of Stay and Postoperative Pain Scores in Patients Undergoing Transoral Robotic Surgery (TORS) for Head and Neck Squamous Cell Carcinoma (HNSCC)**
Scott A. Roof, MD, New York, NY; Rocco M. Ferrandino, BA, New York, NY; Alok T. Saini, MD, New York, NY; Marita S. Teng, MD, New York, NY
90. **Pharyngeal Merkel Cell Carcinoma: Case Report**
Monica K. Rossi, BS, Peoria, IL; D. Anand Rajan, MD, Iowa City, IA; Henry T. Hoffman, MD, Iowa City, IA
91. **Complications of Intravenous Drug Use in the Head and Neck**
Janine M. Rotsides, MD, New York, NY; Eric Q. Lee, MD, New York, NY; Adam S. Jacobson, MD FACS, New York, NY
92. **National Trends in Primary Tracheoesophageal Puncture after Total Laryngectomy**
Rosh K.V. Sethi, MD MPH, Boston, MA; Daniel G. Deschler, MD, Boston, MA

93. **Predictive Value of Single Photon Emission Computed Tomography (SPECT) for Sentinel Lymph Node Localization in the Parotid and External Jugular Chain for Cutaneous Head and Neck Malignancies**
Rosh K.V. Sethi, MD MPH, Boston, MA; Nicholas B. Abt, MD, Boston, MA; Yingbing Wang, MD, Boston, MA; Kevin S. Emerick, MD, Boston, MA
94. **Non-HIV Oral Kaposi Sarcoma: A Case Report and Review of the Literature.**
Rishabh Sethia, BS, Columbus, OH; Maria Koenigs, MD, Columbus, OH; Enver Ozer, MD, Columbus, OH
95. **Identification of Risk Factors in Carotid Body Surgeries: A National Surgical Quality Improvement Program Study**
Emaad A. Siddiqui, BS, Newark, NJ; Jacob S. Brady, BS, Newark, NJ; Jean A. Eloy, MD, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard C. Park, MD, Newark, NJ
96. **Esthesioneuroblastoma: Patterns of Recurrence and Outcomes of Salvage Treatment**
Madeleine P. Strohl, MD, San Francisco, CA; Deema M. Almutuawa, MBBS MPH, San Francisco, CA; Michael W. McDermott, MD, San Francisco, CA; Sue S. Yom, MD, San Francisco, CA; Christine M. Glastonbury, MBBS, San Francisco, CA; Ivan H. El-Sayed, MD, San Francisco, CA
97. **Epidemiology of Branchial Cleft Carcinoma in the United States: A Population Based Cohort Analysis**
Brooke M. Su, MD MPH, Los Angeles, CA; Albert Y. Han, MD PhD, Los Angeles, CA; Jose E. Alonso, MD MBA, Los Angeles, CA; Corinne Jansen, BS, Los Angeles, CA; Edward C. Kuan, MD MBA, Philadelphia, PA; Maie A. St. John, MD PhD, Los Angeles, CA
98. **Hinged Perichondrial Cartilage Tympanoplasty: A Versatile Graft**
Christopher G. Tang, MD, San Francisco, CA; Justin B. Fong St. Louis, MO (Presenter); Barry M. Rasgon, MD, Oakland, CA
99. **The Utility of Ultrasonography in the Diagnosis and Management of Oral Tongue Squamous Cell Carcinoma: A Systematic Review**
Osama M. Tarabichi, MD, Boston, MA; Mustafa G. Bulbul, MD, Boston, MA; Amy F. Juliano, MD, Boston, MA; William C. Faquin, MD PhD, Boston, MA; Mary E. Cunnane, MD, Boston, MA; Mark A. Varvares, MD FACS, Boston, MA
100. **Tobacco Associated Mutations and Prognosis in Laryngeal Cancer: An Investigation Using The Cancer Genome Atlas**
Patrick T. Tassone, MD, Philadelphia, PA; Mina Youn, BS, Philadelphia, PA; Joseph M. Curry, MD, Philadelphia, PA; Ubaldo M. Martinez-Outschoorn, MD, Philadelphia, PA; Nicoline Y. Den Breems, PhD, Auckland, NZ New Zealand; Andrew South, PhD, Philadelphia, PA
101. **Survival Trends in Parathyroid Carcinoma: A Retrospective Analysis**
Sarangdev Vaidya, BA, Newark, NJ; Devika Sachdev, BS, Newark, NJ; Meghan Crippen, MS, Newark, NJ; Jean A. Eloy, MD, Newark, NJ; Soly Baredes, MD, Newark, NJ; Richard C.W. Park, MD, Newark, NJ
102. **Misleading Data: Differences between Preoperative Intact Parathyroid Hormone Levels and those Obtained from Rapid Intraoperative Assays**
Anna G. Wertz, MD, Detroit, MI; Spandana Alluri, BA, Detroit, MI; Michael C. Singer, MD, Detroit, MI
103. **Nodular Fasciitis: Pseudosarcomatous Mimicry**
Christopher C. Xiao, MD, Oakland, CA; Christopher G. Tang, MD, San Francisco, CA

- 104. Intracapsular Enucleation of Facial Nerve Schwannomas**
Robert J. Yawn, MD, Nashville, TN; James L. Netteville, MD, Nashville, TN

Otology/Neurotology

- 105. Hearing Preservation Following Translabyrinthine Excision of a Vestibular Schwannoma: Intraoperative Electrocochleography and Postoperative Audiometric Results**
Kenneth E. Akakpo, BS, Columbus, OH; William J. Riggs, AuD, Columbus, OH; Michael S. Harris, MD, Milwaukee, WI; Edward E. Dodson, MD, Columbus, OH
- 106. Geographical Differences in Intracranial Meningioma Management: Examining 65,973 Patients Across the United States**
Charles L. Anzalone, MD, Rochester, MN; Matthew L. Carlson, MD, Rochester, MN; Jamie J. Van Gompel, MD, Rochester, MN; Amy E. Glasgow, MHA, Rochester, MN; Elizabeth B. Habermann, PhD, Rochester, MN; Brandon R. Grossardt, BS, Rochester, MN
- 107. Lateral Skull Base Surgery for Aggressive Cholesteatoma with Skull Base Erosion**
Geoffrey C. Casazza, MD, Salt Lake City, UT; Clough Shelton, MD, Salt Lake City, UT; Richard K. Gurgel, MD, Salt Lake City, UT
- 108. Measuring Mental Stress during Ear Surgery Using Heart Rate Variability Analysis**
Matthew M. Dedmon, MD PhD, Nashville, TN; Brendan P. O'Connell, MD, Chapel Hill, NC; Robert J. Yawn, MD, Nashville, TN; Adriana Kipper-Smith, PhD, Nashville, TN; Marc L. Bennett, MD, Nashville, TN; David S. Haynes, MD, Nashville, TN
- 109. Automated Smartphone Audiometry: A Proof of Concept for Bone Conduction Threshold Testing**
Nicholas A. Dewyer, MD, Boston, MA; Patpong Jiradejvong, MS, San Francisco, CA; David S. Lee, BA, San Francisco, CA; Jennifer Henderson Sabes, AuD, San Francisco, CA; Charles J. Limb, MD, San Francisco, CA
- 110. Diagnosis and Treatment of a Rare Case of Rosai Dorfman Disease**
Khodayar Goshtasbi, BS, Irvine, CA; Ronald Sahyouni, BS MS, Irvine, CA; Afsheen Moshtaghi, BS, Irvine, CA; Harrison W. Lin, MD, Irvine, CA; Hamid R. Djalilian, MD, Irvine, CA
- 111. Diagnosis of a Left Skull Base Plasmacytoma with Ultrasound Guided Fine Needle Aspiration of a Cervical Lymph Node**
Yarah M. Haidar, MD, Irvine, CA; Ronald Sahyouni, BS, Irvine, CA; Omid Moshtaghi, BS, Irvine, CA; Hossein Mahboubi, MD, Irvine, CA; Hamid R. Djalilian, MD, Irvine, CA
- 112. Francis E. LeJeune Sr., MD Resident Research Award
Jugular Dominance Is Unrelated to Isolated Unilateral Congenital Aural Atresia in Children**
Tyler R. Halle, MD, Atlanta, GA; Amanda S. Corey, MD, Atlanta, GA; N. Wendell Todd, MD MPH, Atlanta, GA
- 113. A Case Series of Middle Ear Adenoma Demonstrating Recurrence and Distant Metastatic Potential**
Erin K. Haser, MD, Boston, MA; Jonathon S. Sillman, MD, Boston, MA
- 114. Systematic Review of Otogenic Brain Abscess: Diagnosis and Treatment of a Significant Complication of Otitis Media**
Elliott D. Kozin, MD, Boston, MA; Maria J. Duarte, BA, Boston, MA; Miriam B. Barshak, MD, Boston, MA; D. Bradley Welling, MD PhD, Boston, MA; David H. Jung, MD PhD, Boston, MA

115. **Donor Site Complications of Free Fat Transfer in Otolaryngologic Procedures**
Eric Q. Lee, MD, New York, NY; Ryan Ruiz, MD, New York, NY; Richard Lebowitz, MD, New York, NY; John T. Roland, MD, New York, NY; Daniel Jethanamest, MD, New York, NY; Babak Givi, MD, New York, NY
116. **Middle Cranial Fossa Cerebrospinal Fluid Leaks - Defining an "Area of Weakness"**
Yong Ming David Andrew Low, MBBS MRCS MMed, Toronto, ON Canada; Maya Kuroiwa Rivero, MD, Toronto, ON Canada; Trung Le, MD PhD FRCSC, Toronto, ON Canada; Joseph Chen, MD FRCSC, Toronto, ON Canada; Vincent Lin, MD FRCSC, Toronto, ON Canada
117. **Lymphoma Presenting with Facial Paralysis and Cerebellopontine Angle Mass**
Hossein Mahboubi, MD MPH, Irvine, CA; Omid Moshtaghi, BS, Irvine, CA; Ronald Sahyouni, BA, Irvine, CA; Yarah Haidar, MD, Irvine, CA; Hady Shahbaz, BS, Irvine, CA; Hamid Djalilian, MD, Irvine, CA
118. **An Unusual Case of a Congenital Hypoplastic IAC with Facial Paralysis**
Omid Moshtaghi, MS, Irvine, CA; Ronald Sahyouni, BA, Irvine, CA; Afsheen Moshtaghi, BS, Irvine, CA; Kian Bagheri Irvine, CA; Hady Shahbaz Irvine, CA; Hamid R. Djalilian, MD, Irvine, CA
119. **Metastatic Malignant Neuroendocrine Carcinoma of the Temporal Bone Masquerading as Malignant Otitis Externa: Case Report and Clinical Review of Presentation, Diagnosis, and Therapeutic Options**
Zain H. Rizvi, MD, Los Angeles, CA; Brooke Su, MD, Los Angeles, CA; Andrew Vahabzadeh-Hagh, MD, Los Angeles, CA; Quinton Gopen, MD, Los Angeles, CA
120. **Facial Onset Sensory and Motor Neuropathy Syndrome**
Ronald Sahyouni, MS, Irvine, CA; Omid Moshtaghi, MS, Irvine, CA; Khodyar Goshtasbi, BS, Irvine, CA; Yarah M. Haidar, MD, Irvine, CA; Hossein Mahboubi, MD, Irvine, CA; Hamid R. Djalilian, MD, Irvine, CA
121. **Patterns of Hearing Loss among Children of Different Racial Backgrounds: A Large Sample Cross-Sectional Study**
Heather K. Schopper, BS, Charleston, SC; Jonathan L. Hatch, MD, Charleston, SC; Ted A. Meyer, MD PhD, Charleston, SC
122. **Relationship between Childhood Weight Status and Hearing Loss: A Large Sample Cross-Sectional Study**
Heather K. Schopper, BS, Charleston, SC; Jonathan L. Hatch, MD, Charleston, SC; Paul R. Lambert, MD, Charleston, SC; Ted A. Meyer, MD PhD, Charleston, SC
123. **Takayasu's Arteritis Associated Hearing Loss with Atypical Features of Cogan's Syndrome**
Tymon M. Tai, MD, Los Angeles, CA; Nathan C. Tu, MD, Los Angeles, CA; Courtney C. Voelker, MD, Los Angeles, CA
124. **Endoscopic Assisted Excision of Intracochlear Schwannoma with Simultaneous Cochlear Implantation**
Zahrah M. Taufique, MD MBA, New York, NY; Baishakhi Choudhury, MD, New York, NY; David M. Garber, MD, New York, NY; Kaleb H. Yohay, MD, New York, NY; Daniel Jethanamest, MD, New York, NY
125. **Preliminary Audiometric Outcomes Following Placement of the Slim Modiolar Cochlear Implant Electrode (CI 532)**
Danielle Trakimas, MSE, Worcester, MA; Stephanie Wu Worcester, MA; Nicole Seymour, AuD, Worcester, MA; Caitlin Agreda, AuD, Worcester, MA; Elliott D. Kozin, MD, Boston, MA; Aaron K. Remenschneider, MD MPH, Worcester, MA

126. **Fibrin Sealant as an Alternative External Ear Canal Packing**
Yona Vaisbuch, MD, Palo Alto, CA; Hamed Sajjadi, MD, Los Gatos, CA
127. **Diagnosis of Cochlear Implant Infection with Gallium SPECT**
Varun V. Varadarajan, MD, Gainesville, FL; Patrick J. Antonelli, MD, Gainesville, FL
128. **Tympanic Membrane Repair Using Porcine Small Intestinal Submucosal Grafting (Biodesign®)**
Robert J. Yawn, MD, Nashville, TN; Matthew M. Dedmon, MD PhD, Nashville, TN;
Brendan P. O'Connell, MD, Nashville, TN; Alejandro Rivas, MD, Nashville, TN

Pediatric Otolaryngology

129. **Endoscopic View of a High and Dehiscent Jugular Bulb during Pediatric Tympanoplasty**
Ashwin Ananth, MD MBA, New Orleans, LA; Peter Debbaneh, BS, New Orleans, LA;
John M. Carter, MD, New Orleans, LA
130. **Intranasal Lobular Hemangioma Presenting with Recurrent Epistaxis in a 9 Year Old**
Sydney H. Beatty, BA, New Orleans, LA; John M. Carter, MD, New Orleans, LA
131. **Do Demographic Disparities Exist in the Diagnosis and Surgical Management of Chronic Otitis Media?**
Janice E. Chang, MD PhD, Los Angeles, CA; Nina L. Shapiro, MD, Los Angeles, CA; Neil Bhattacharyya, MD, Boston, MA
132. **Development of In-House Genetic Screening for Pediatric Hearing Loss**
Karl William Doerfer, MD, Milwaukee, WI; Tara L. Sander, PhD, Milwaukee, WI;
David R. Friedland, MD PhD, Milwaukee, WI; Joseph E. Kerschner, MD, Milwaukee, WI;
Christina L. Runge, PhD, Milwaukee, WI
133. **Cochlear Implantation in Children with Sensorineural Hearing Loss Secondary to Ototoxic Agents**
Zainab Farzal, MD, Chapel Hill, NC; Elizabeth D. Stephenson, BA, Chapel Hill, NC;
Carlton J. Zdanski, MD, Chapel Hill, NC
134. **Does Therapeutic Bronchoscopy in Pediatric Laryngotracheal Reconstruction Improve the Postoperative Course?**
Erin K. Haser, MD, Boston, MA; Ameer T. Shah, MD, Boston, MA; Andrew R. Scott, MD, Boston, MA
135. **Chronic Stridor Secondary to Extrusion of Esophageal Foreign Body into Mediastinum**
Sarah A. Lookabaugh, MD, Rochester, NY; Derek S. Wakeman, MD, Rochester, NY; Walter Pegoli, MD, Rochester, NY; Margo M Benoit, MD, Rochester, NY
136. **Analysis of Postoperative Hospitalization Trends and Complication Rates Following Pediatric Choanal Atresia Repair**
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137. **Rare Pathology in a Case of a Parotid Tumor in a 7 Year Old**
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- 141. Otolaryngologists and Pediatricians and Ophthalmologists, Oh My! Role of Otolaryngology in Pediatric Orbital Infections**
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