



**MAIN PROGRAM SPEAKER DISCLOSURES**  
**October 20-21, 2023 - Washington, DC**

**Name:** Luke Aldridge-Waddon

**Presentation Title:** Clinical Psychology and Voice Disorders: An Updated Formulation

**Objectives:**

- Formulate psychological factors involved in voice use
- Apply transdiagnostic understanding of psychological sequelae to functional and organic voice populations
- Advocate for greater mental health screening and support for voice patients

**Disclosures:**

Financial: No relevant financial relationships to disclose

Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Clint Allen

**Presentation Title:** Reduced voice handicap in patients that develop a clinical response to therapeutic vaccination

**Objectives:**

- Understand why voice rehabilitation after treatment for RRP can be challenging
- Learn about new therapeutic vaccines in clinical trials for RRP
- Learn how voice handicap changes with clinical response to a therapeutic vaccine

**Disclosures:**

Financial: No relevant financial relationships to disclose

Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Amanda Atkins

**Presentation Title:** Use of probe-based confocal laser endomicroscopy as an intraoperative tissue imaging modality during endoscopic laryngeal cancer resections—a case series.

**Objectives:**

- Discuss advantages/disadvantages of endoscopic resection for laryngeal cancer management.
- Understand the need for adjunctive diagnostic studies for margin assessment in laryngeal cancer resection
- Describe confocal laser endomicroscopy and its potential use in endoscopic laryngeal cancer resections

**Disclosures:**

Financial: No relevant financial relationships to disclose

Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Ruth Bahr

**Presentation Title:** Validity of Acoustic Measures of Voice via Smartphones With and Without Headset Microphones

**Objectives:**

- Develop a research methodology for obtaining standardized recordings via a head and torso model.
- Develop a strategy and method for obtaining high quality voice recordings via smartphones.
- Demonstrate appropriate use of headset microphones for use in smartphone recordings.

**Disclosures:**

- Financial: No relevant financial relationships to disclose
- Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Hans Baertsch

**Presentation Title:** GlottIC: A new mobile application for point-of-care quantification of vocal atrophy

**Objectives:**

- Summarize the need for automated vocal fold measurements and objective measurements of the glottis.
- Introduce an application that automates glottic measurements and demonstrate its use.
- Describe the accuracy of the application based measurements in comparison to other methods.

**Disclosures:**

Financial: No relevant financial relationships to disclose

Nonfinancial: No relevant nonfinancial relationships to disclose

<p><b>Name:</b> Samir Ballestas</p> <p><b>Presentation Title:</b> Parenteral Use Of Bevacizumab In Patients With Recurrent Respiratory Papillomatosis long-term outcome</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• understand the pathophysiology of RRP</li> <li>• Be aware of new treatment options for RRP</li> <li>• have a are treatment option possibility for their practice</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Claudia Cabrera</p> <p><b>Presentation Title:</b> Laryngotracheal Stenosis: Risk Factors for Higher Procedural Burden</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• identify risk factors associated with increased disease burden in LTS</li> <li>• understand how multilevel stenosis impacts disease control</li> <li>• understand how to apply these findings to clinical practice</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Lynne Cameron</p> <p><b>Presentation Title:</b> From Theory to Practice: Student Experiences in a Telepractice Voice Assessment Training Program</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• select teaching methods associated with Self-Efficacy Theory and Dreyfus Model of Skills Acquisition for telepractice voice evaluation training.</li> <li>• apply strategies for teaching telepractice voice evaluation.</li> <li>• construct educational experiences for telepractice voice evaluation.</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> M. Eugenia Castro</p> <p><b>Presentation Title:</b> Reliability of Phonemically Loaded Sentences in Spanish for Identifying Laryngeal Dystonia (LD) by non-Spanish Speaking Speech-Language Pathologists</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Describe the limitations of assessment protocols for individuals with laryngeal dystonia</li> <li>• Describe considerations during stimuli translations and cultural adaptation to a language other than the original.</li> <li>• Apply novel stimuli developed in Spanish for the purposes of the current study in clinical practice to elicit signs and symptoms of LD in Spanish-speaking patients.</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Tyler Crosby</p> <p><b>Presentation Title:</b> Correlation of the Video Fluoroscopic Swallow Study with Esophageal Screen to High Resolution Esophageal Manometry</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Understand the sensitivity and specificity of the esophageal screen for motility disorders</li> <li>• Understand the accuracy of the esophageal screen in predicting esophageal motility disorders</li> <li>• Understand the limitations of the VFSS currently due to a lack of defined protocol and scoring instrument for esophageal findings</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> David Cvancara</p> <p><b>Presentation Title:</b> Neurophysiology of the superior laryngeal nerve in an in vivo rat model</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Understand a technique to quantify cricothyroid CMAP</li> <li>• Understand a technique to study SLN LAR thresholds</li> <li>• Understand a technique to study SLN histology</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>

**Name:** Ruth Davis

**Presentation Title:** Mucosal Microbiome Disruption in Acute Laryngeal Injury Following Intubation

**Objectives:**

- develop a strategy for early endoscopic intervention to improve outcomes for patients with ALGI
- apply an understanding of microbiome disruption to the management of ALGI patients
- apply safety data for early ALGI intervention to patient selection for surgical vs. medical management

**Disclosures:**

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Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Christopher Dwyer

**Presentation Title:** Training for Awake, Office Based Laryngeal Procedures—The Laryngology Fellow's Perspective

**Objectives:**

- Understand the current state of laryngology fellowship training for office based procedures
- Identify areas of improvement during laryngology training to increase competency with office based procedures
- Recognize barriers to teaching fellows and trainees to independently perform awake office based laryngologic procedures

**Disclosures:**

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Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Evan Edwards

**Presentation Title:** Upfront tracheostomy for T4 laryngeal cancer associated with increased mortality

**Objectives:**

- identify T4 LSCC patients who could benefit from alternative airway management.
- incorporate data into their clinical decision making that supports upfront endoscopic debulking over tracheostomy.
- interrogate their own T4 survival rates to compare to this cohort that pursues an organ preservation approach.

**Disclosures:**

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**Name:** Necati Enver

**Presentation Title:** The development of a convolutional neural network (CNN) based artificial intelligence model for the diagnosis of laryngeal dystonia.

**Objectives:**

- Apply Convolutional neural network for development of clinical diagnostic tools.
- Know clinical diagnostic approaches for laryngeal dystonia

**Disclosures:**

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Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Necati Enver

**Presentation Title:** The effect of virtual reality applications on pain and anxiety in awake laryngeal procedures in the operating room.

**Objectives:**

- To have information about the program selections to be watched in VR glasses in accordance with the patient's position in surgical procedures performed with VR glasses in the operating room.
- Developing a strategy suitable for the use of virtual reality applications in the field of laryngology
- To have knowledge about anesthesia management in awake laryngeal procedures performed in the operating room.

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Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** David Francis

**Presentation Title:** Multicenter Development and Validation of the CoPE (vocal Cord Paralysis Experience) Patient-Reported Outcome Measure for Unilateral Vocal Fold Paralysis-Specific Disability

**Objectives:**

- Be aware of complexity of PROM development
- Learn about FDA recommendations for PROM use in clinical trial
- Understand primary domains affected by unilateral vocal fold paralysis

**Disclosures:**

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Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Felicia François

**Presentation Title:** Comparison of Clinician- vs. Artificial Intelligence-Generated Patient Education Materials in Speech-Language Pathology

**Objectives:**

- assess the potential benefits and limitations of using artificial intelligence platforms like ChatGPT to formulate patient education materials
- examine the variability in perceptions among expert clinician perceptions highlighted in the results
- analyze implications of results, including directions for future research regarding the potential need for standardized patient education materials

**Disclosures:**

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Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Robert Brinton Fujiki  
**Presentation Title:** Anxiety, Depression, and Trauma in Children and Adults with Induced Laryngeal Obstruction (ILO)  
**Objectives:**

- Apply information regarding behavioral health prevalence to the treatment of ILO.
- Identify when coordination with behavioral health professionals is needed for patients with ILO..
- List common behavioral health comorbidities for ILO.

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**Name:** William Gao  
**Presentation Title:** Prospective >12 months outcomes after vocal fold injection medialization with a silk protein microparticle-hyaluronic acid material for patients with unilateral vocal fold paralysis  
**Objectives:**

- Select appropriate patients to consider vocal fold injection medialization with silk-HA
- Apply technical pearls to endoscopic/percutaneous injection of silk-HA and avoid pitfalls
- Counsel patients realistically on expected risks, post-injection course, and vocal recovery

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Laurence Gascon  
**Presentation Title:** Scarless Surgery for Transgender Women: A Transvestibular Endoscopic Approach for Chondrolaryngoplasty  
**Objectives:**

- Describe the endoscopic transvestibular approach
- Recognize the advantages of the approach and its potential for chondrolaryngoplasty for transgender women
- Recognize the importance of visualization and preservation of the anterior commissure in chondrolaryngoplasty

**Disclosures:**  
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Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Malia Gresham  
**Presentation Title:** Longevity of Volbella for Vocal Fold Injection Augmentation  
**Objectives:**

- Describe the pros and cons of various vocal fold injection augmentation materials.
- Describe the durability of Volbella in the present study as defined by sustained improvement in VHI-10 scores and videostroboscopic features.
- Apply knowledge of durability of hyaluronic acid derivatives to future vocal fold augmentation procedures

**Disclosures:**  
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Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Elizabeth Grillo  
**Presentation Title:** Perceptions of Voice Therapy Approaches Following a Single Subject Design  
**Objectives:**

- Identify the single subject design used in the study
- Evaluate the survey and exit interview results
- Apply the survey and exit interview results to clinical practice

**Disclosures:**

- Financial: National Institute on Deafness and Other Communication Disorders grant R15DC019954
- Financial: VoiceEvalU8 ownership/stock holder.
- Financial: Northern Speech Services royalty.
- Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Elizabeth Hary

**Presentation Title:** Acute Vibratory Recovery After Microflap Injury in an Ex Vivo Model: A comparison of dexamethasone and surface hydration

**Objectives:**

- Describe the current practice pattern associated with laryngeal microflap surgery and post-operative phonatory recovery
- Identify the pros and cons of the selected treatments for microflap injury in the current study (dexamethasone steroid and surface hydration treatment)
- Describe the impact each selected treatment in the current study (dexamethasone steroid and surface hydration) had on phonatory measures compared to untreated microflap injury and normal controls.

**Disclosures:**

Financial: No relevant financial relationships to disclose

**Name:** Elizabeth Heller Murray

**Presentation Title:** A longitudinal examination of cepstral peak prominence in children

**Objectives:**

- Identify the relationship between CPP and vocal development
- Explain the hypothesis for the age-related changes in CPP
- Explain what the acoustic measure of CPP is evaluating

**Disclosures:**

Financial: No relevant financial relationships to disclose

Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Richard Heyes

**Presentation Title:** Analgesia in Transcutaneous Laryngeal Botulinum Toxin Injections: A Randomized Crossover Trial

**Objectives:**

- Discuss the analgesic options for transcutaneous laryngeal injections with patients
- Inform patients that transcutaneous laryngeal injections can be well-tolerated without local anesthesia and that some patients see benefit if vibratory analgesia
- Incorporate individualization of analgesia when performing transcutaneous laryngeal injections

**Disclosures:**

Financial: No relevant financial relationships to disclose

Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Alexander Hillel

**Presentation Title:** Adjuvant Everolimus Following Excision and Dilation in Idiopathic Subglottic Stenosis: A Phase 1 Clinical Trial

**Objectives:**

- Present results from a Phase 1 clinical trial in a Laryngology patient cohort
- Present a protocol with primary and secondary outcome measure to assess efficacy of interventions in airway patients
- Detail bench to bedside application of mTOR inhibitors in subglottic stenosis

**Disclosures:**

- Financial: Medtronic USA consulting fees/advisory boards.

- Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Bethany Ho  
**Presentation Title:** Vocal Tremors: Assessing the Quality and Readability of Online Resources  
**Objectives:**

- to understand the environment of current publically available literature on vocal tremor
- to learn the importance of writing patient education materials that are can be easily understood by the general public
- to learn how to evaluate the quality and readability written patient education materials with the goal of writing accessible resources

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Ellen Hong  
**Presentation Title:** ChatGPT in Laryngology  
**Objectives:**

- Assess the use of ChatGPT in patient education
- Reflect on the importance of terminology in patient comprehension
- Anticipate the evolving role of chatbots as patient resources

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Amanda Hu  
**Presentation Title:** Spasmodic Dysphonia Patients' Perception of Pain with Botulinum Toxin Injections  
**Objectives:**

- quantify the amount of pain perceived by spasmodic dysphonia patients undergoing botulinum toxin injections
- identify risk factors of spasmodic dysphonia patients who perceive more pain with botulinum toxin injections
- develop a strategy to help alleviate the perception of pain from botulinum toxin injections

**Disclosures:**

- Financial: Pentax Medical, Inc. consulting fees.
- Financial: Merck Inc consulting fees.
- Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Victoria Huang  
**Presentation Title:** Valves for the voiceless: time to speaking valve placement after quality improvement interventions  
**Objectives:**

- Identify barriers to speaking valve placement at individual institutions
- 4. Develop an interdisciplinary team at their own institution to improve adherence to speaking valve eligibility criteria
- Implement quality improvement methods to improve delays to speaking valve placement.

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Aseem Jain  
**Presentation Title:** A Novel Instrument Holder to Improve Operative Efficiency in Endoscopic Laryngeal and Airway Surgery  
**Objectives:**

- Apply the proposed tool for endoscopic instrument management to improve operative efficiency
- Identify and address pain points during the instrument hand off process in microlaryngeal surgery
- Apply the custom software built to quantify the instrument hand off process in their practice

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Aaron Johnson  
**Presentation Title:** A Novel Wireless, Compact, Voice Dosimeter with Real-Time Feedback for Mitigating Vocal Fatigue  
**Objectives:**

- Participants will be able to explain the concept of vocal dose and its relationship to vocal fatigue, identifying the potential risk factors for professionals with high vocal demands.
- Participants will be able to identify the limitations of previous vocal dosimetry methods and describe the benefits of this new wireless, compact technology for precise vocal dosimetry.
- Participants will be able to explain how machine learning-based approaches enable precise vocal dosimetry of different vocal activities.

**Disclosures:**

- Financial: Northwestern University consulting fees.
- Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Will Karle  
**Presentation Title:** Analgesia in Transcutaneous Laryngeal Botulinum Toxin Injections: A Randomized Crossover Trial  
**Objectives:**

- Learn different methods of analgesia for Botox injections
- Design a real-time computer-aided diagnosis system for voice pathology.
- Understand patient experience with Botox injections

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Emily Kimball  
**Presentation Title:** The Identification and Suspected Role of Non-epithelial Cells Embedded within the Vocal Fold Epithelial Barrier  
**Objectives:**

- The participant should learn about CD-45-positive and Vimentin-positive cells and their role in immune responses and wound healing.
- The participant should understand the structure of the epithelial barrier, and its function in the vocal fold.
- The participant should understand the potential relationship between vimentin-positive cells in the epithelium and vocal fold pathology.

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Samantha Kridgen  
**Presentation Title:** Vocal Fold Augmentation with Silk-Hyaluronic Acid: Safety and Long-Term Voice Outcomes  
**Objectives:**

- Describe the benefits of a long term off the shelf injectable for office based injection augmentation
- Discuss the long term outcomes and complications of using Silk-HA
- Consider the potential long term benefits of Silk-HA

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Priya Krishna  
**Presentation Title:** Voice Outcomes following Nasal Airway Remodeling: A Systematic Review  
**Objectives:**

- Understand the overall effects of nasal surgery on voice
- Delineate which voice parameters are influenced most by surgical interventions
- Better counsel patients on the effects of surgery

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Benjamin Laitman  
**Presentation Title:** Single cell sequence mapping of the human vocal fold reveals novel fibroblast heterogeneity  
**Objectives:**

- Understand how single-cell sequencing can be utilized to explore cellular heterogeneity.
- Define fibroblast subsets in the human vocal folds.
- Describe critical pro-fibrotic pathways in vocal fold fibroblasts that may be therapeutic targets.

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Doreen Lam  
**Presentation Title:** Is post-operative voice rest unnecessary? A systematic review and meta-analysis of voice rest recommendation outcomes  
**Objectives:**

- Understand the current landscape of literature regarding voice rest
- Understand that voice outcomes is not improved by absolute voice rest
- Understand areas of opportunities for future research

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Joseph Lebowitz  
**Presentation Title:** Correlation of the Video Fluoroscopic Swallow Study with Esophageal Screen to High Resolution Esophageal Manometry  
**Objectives:**

- The ability of the esophageal screen portion of a VFSS to identify a conclusive motility disorder
- The utility of the esophageal screen for ruling out a motility disorder or at least reducing suspicion

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Claire Ligon  
**Presentation Title:** Graded Exercise and Pain Neuroscience Education in treatment resistant Hyoid Bone Syndrome: A retrospective case series  
**Objectives:**

- Apply the concepts of eccentric, concentric and isometric muscle engagement to reduce pain levels in exercise.
- Describe briefly the basic tenants of pain neuroscience education.
- Define the concept of loss of muscle specificity in chronic pain.

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose



**Name:** Chloe Maria  
**Presentation Title:** The cellular effects of short term e-cigarette exposure in the larynx using a mouse model  
**Objectives:**

- Understand the rationale for examining JUUL exposure on the larynx
- Understand the markers of cellular proliferation and remodelling
- Understand the cellular effects of short term JUUL exposure

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Christopher McKenzie  
**Presentation Title:** Comparative Analysis of Risk Factors and Airway Prosthesis Dependency in Bilateral Vocal Fold Immobility  
**Objectives:**

- Determine the risk factors associated with increased operative interventions in BVFP vs isolated PGS vs PGS with additional stenosis
- Compare the etiological factors and requisite surgical interventions for the management of BVFP vs isolated PGS vs PGS with additional stenosis
- Analyze the demographic and co-morbid characteristics linked to the complication of persistent tracheostomy dependence in BVFP vs isolated PGS vs PGS with additional stenosis

**Disclosures:**  
Financial: No relevant financial relationships to disclose

**Name:** Mattea Miller  
**Presentation Title:** Experiences of Patients Living with Retrograde Cricopharyngeal Dysfunction  
**Objectives:**

- Describe the symptoms of Retrograde Cricopharyngeal Dysfunction
- Understand the impact of Retrograde Cricopharyngeal Dysfunction on patient's lives
- Understand the impact of Retrograde Cricopharyngeal Dysfunction on patient's lives

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Robert Morrison  
**Presentation Title:** Optical Flow Analysis of Extrinsic Laryngeal Muscle Activation in Vocal Hyperfunction  
**Objectives:**

- Apply the concept of optical flow to study extrinsic laryngeal muscle hyperfunction
- Compare optical flow measures to standard clinical voice metrics
- Define clinical presentation similarities and differences between patients with muscle tension dysphonia and healthy controls using optical flow and standard clinical voice metrics

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Elliot Morse  
**Presentation Title:** Female Surgical Ergonomics in Laryngology: A Survey Study  
**Objectives:**

- Understand the surgical ergonomic challenges of female otolaryngologists
- Understand the reasons that female otolaryngologists may have surgical ergonomic difficulties
- Understand ways in which the operating room environment can be adjusted to improve the surgical ergonomics of female otolaryngologists

**Disclosures:**  
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Nonfinancial: No relevant nonfinancial relationships to disclose

<p><b>Name:</b> Joshua Musalia</p> <p><b>Presentation Title:</b> Comparison of Complication Rates in Esophageal Dilatation Procedures: A National Database Study</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• The utilization of the truver database in future research projects</li> <li>• The safety and efficacy of superdilations</li> <li>• The overall safety of esophageal dilatation</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Theodora Nestorova</p> <p><b>Presentation Title:</b> Vibrato Variability as a Diagnostic, Pedagogical Tool: Timbre Perception of Vibrato Health, Production, and Expression</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Develop a holistic perception of vibrato in health and pedagogy.</li> <li>• Apply vibrato training to vocal assessment.</li> <li>• Implement vibrato training strategies for prevention and therapy for both speakers and singers.</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Alvin Nguyen</p> <p><b>Presentation Title:</b> Social Media Utilization and Perspectives in Laryngology</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Determine the number of patients that utilize social media platforms at a tertiary care otolaryngology department</li> <li>• Describe any differences regarding social media usage and perception among population demographic groups.</li> <li>• Understand how laryngologists' social media is perceived by their patient base</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Rachel Norotsky</p> <p><b>Presentation Title:</b> Does Implicit Racial Bias Impact Auditory-Perceptual Evaluations of Dysphonic Voices?</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Utilize the Harvard IAT to gain awareness of their own implicit racial bias</li> <li>• Apply implicit bias reduction techniques to their clinical practice</li> <li>• Develop and implement strategies for improving the care of Black patients who present for voice evaluations</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Kavya Pai</p> <p><b>Presentation Title:</b> Dysphagia in Multiple Sclerosis: Prevalence, Screening, and Otolaryngology Evaluation</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• To recognize if and how patient-related dysphagia questionnaires in patients with MS correlate with otolaryngologic evaluation of dysphagia.</li> <li>• To recognize if and how patient-related disability questionnaires in patients with MS correlate with otolaryngologic evaluation of dysphagia.</li> <li>• To identify how patient-reported outcome measures in patients with MS can help guide the otolaryngologic evaluation of dysphagia.</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p>

**Name:** Neil Parikh  
**Presentation Title:** Workforce Analysis of Laryngologists in the United States  
**Objectives:**

- To understand the composition of the current US laryngology workforce with special attention provided to fellowship-training status.
- To highlight the geographic distribution of FTLs and nFTLs by HRR in the United States.
- To extrapolate the number of laryngologists over the next two decades based on the current laryngology workforce and recent training rates.

**Disclosures:**  
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Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** William Pennington-FitzGerald  
**Presentation Title:** RVT1.0: Vocal Fold Tracking in Rats using Deep Learning  
**Objectives:**

- Appreciate the importance of vocal fold tracking in a rat model for laryngeal dysfunction.
- Apply artificial intelligence and to automate slow, time consuming analysis techniques.
- Apply deep learning computer vision for motion tracking in a variety of contexts.

**Disclosures:**  
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Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Jenny Pierce  
**Presentation Title:** Acoustic Measures Most Predictive of Botox Treatment Outcomes in Adductor-type Laryngeal Dystonia  
**Objectives:**

- Utilize voice acoustic measures to track change with treatment in laryngeal dystonia
- Compare outcomes of novel treatments with outcomes from botulinum toxin treatment in laryngeal dystonia
- Design a research or clinical assessment plan for laryngeal dystonia

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Samantha Powell  
**Presentation Title:** Do individuals with benign vocal fold lesions communicate differently compared to a healthy control group?  
**Objectives:**

- Describe communication inefficiency
- Identify inefficient communication strategies
- State three ways to improve communication efficiency

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Holly Reckers  
**Presentation Title:** The Impact of a Prolonged Pandemic-Associated Break from Performance on Vocal Performers: A Qualitative Study  
**Objectives:**

- Be able to identify themes that professional singers discussed based on their experience during pandemic time away from performance.
- Be able to identify potential lasting impacts that time away from performance had on professional singers
- Be able to discuss the importance of the need for vocal reconditioning following time away from performance for singers.

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

<p><b>Name:</b> Diane Rehm  <b>Presentation Title:</b> Finding My Voice  <b>Objectives:</b></p> <ul style="list-style-type: none"> <li>Identifying spasmodic dysphonia</li> <li>Treating spasmodic dysphonia</li> <li>Learning to live with spasmodic dysphonia</li> </ul> <p><b>Disclosures:</b>  Financial: WAMU/NPR relationship as employee  Financial: Knopf Publisher royalty  Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Kiminori Sato  <b>Presentation Title:</b> Hypoxic microenvironment of the maculae flavae of the vocal fold as a stem cell niche  <b>Objectives:</b></p> <ul style="list-style-type: none"> <li>understand the hypoxic microenvironment of the maculae flavae of the vocal fold as a stem cell niche</li> <li>understand the stem cell system of the tissue stem cells of the vocal fold</li> <li>understand the role of hypoxia-inducible factor (HIF-1<math>\alpha</math>) (transcription factor) in the stem cells niche of the vocal fold</li> </ul> <p><b>Disclosures:</b>  Financial: No relevant financial relationships to disclose  Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Alexandra Schenck  <b>Presentation Title:</b> Voice Problems in Ehlers Danlos Syndrome; A Survey Study  <b>Objectives:</b></p> <ul style="list-style-type: none"> <li>Delineate voice symptomatology prevalent among participants with Ehlers Danlos Syndrome (EDS).</li> <li>Identify medical comorbidities related to upper airway in patients with EDS.</li> <li>Relate voice symptomatology and severity in participants with EDS to individuals seeking speech language pathology services.</li> </ul> <p><b>Disclosures:</b>  Financial: No relevant financial relationships to disclose  Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Ari Schuman  <b>Presentation Title:</b> National Trends in Pediatric Laryngeal Reinnervation  <b>Objectives:</b></p> <ul style="list-style-type: none"> <li>Apply non-selective reinnervation in a pediatric population</li> <li>Create study designs to understand the incidence of surgical procedures</li> <li>Develop new questions to understand the relationship between quality and volume for reinnervation</li> </ul> <p><b>Disclosures:</b>  Financial: No relevant financial relationships to disclose  Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Rema Shah  <b>Presentation Title:</b> The impact of medical comorbidities on cough improvement following superior laryngeal block  <b>Objectives:</b></p> <ul style="list-style-type: none"> <li>Distinguish between patients and determine who would be better candidates for iSLN blockade for chronic cough treatment</li> <li>Guide patients during counseling on the likelihood of efficacy from iSLN blockade for chronic cough given their comorbidity profile</li> <li>Develop an algorithm for chronic cough interventions to standardize and optimize chronic cough treatment outcomes</li> </ul> <p><b>Disclosures:</b>  Financial: No relevant financial relationships to disclose  Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Adrianna Shembel  <b>Presentation Title:</b> Extrinsic Laryngeal Muscle Tension in Primary Muscle Tension Dysphonia with Shear Wave Elastography  <b>Objectives:</b></p> <ul style="list-style-type: none"> <li>Apply the concept of shear wave elastography for extrinsic laryngeal muscle tension</li> <li>Characterize muscle tension patterns using shear wave elastography and their relationships to standard clinical metrics in patients with and without muscle tension dysphonia</li> <li>Understand the effects of increased vocal demands in individuals with and without muscle tension dysphonia using shear wave elastography and standard clinical metrics</li> </ul> <p><b>Disclosures:</b></p> <ul style="list-style-type: none"> <li>Financial: NIDCD. This work was supported by NIDCD grant R21DC019207. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institute on Deafness and Other Communication Disorders or the National Institutes of Health.</li> <li>Nonfinancial: No relevant nonfinancial relationships to disclose</li> </ul>

**Name:** Elizabeth Shuman  
**Presentation Title:** Timing of complications in tracheal resection  
**Objectives:**

- List the complications which may occur following tracheal resection
- Outline the timeline where clinical suspicion should be highest for complications in tracheal resection
- Identify risk factors for complications in tracheal resection

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Elizabeth Shuman  
**Presentation Title:** Inadvertent superficial injection of hyaluronic acid for vocal fold augmentation: does it matter?  
**Objectives:**

- Visually identify a superficial vocal fold injection with hyaluronic acid
- Discuss the differences in outcomes between superficial injection with CaHA versus hyaluronic acid
- Identify cases where inadvertent superficial injection of hyaluronic acid may be observed clinically without surgical or medical intervention

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Elizabeth Shuman  
**Presentation Title:** Practice patterns in early glottic cancer: a survey of surgeons and radiation oncologists  
**Objectives:**

- Discuss various treatment modalities for early glottic cancer.
- Identify patient factors which would make surgery for early glottic cancer challenging.
- Acknowledge bias in treatment recommendations in early glottic cancer.

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Laurie Slovarp  
**Presentation Title:** Title: Cough Desensitization Treatment for Patients with Refractory Chronic Cough: Results of a Second Pilot Randomized Control Trial  
**Objectives:**

- Describe cough desensitization treatment (CDT).
- Describe cough hypersensitivity and the rationale for CDT.
- Understand future directions for CDT treatment.

**Disclosures:**

- Financial: National Institute of Health contracted researcher.
- Financial: HyfeAI consulting fees
- Nonfinancial: University of Montana – Institutional relationship

**Name:** Julianna Smeltzer  
**Presentation Title:** Interoception, Voice Symptom Reporting, and Voice Disorders  
**Objectives:**

- Identify methods to assess relationships between interoceptive awareness and voice disorders
- Apply the role that interoceptive awareness has on voice disorders
- Apply knowledge that interoceptive awareness has on various voice disorders to guide future treatment recommendations

**Disclosures:**

- Financial: University of Texas at Dallas - This work was supported by NIDCD grant R21DC019207.
- Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Grace Snow  
**Presentation Title:** A Retrospective Database Review of Penetrating Laryngeal Trauma: Successful Management of High-Grade Injuries  
**Objectives:**

- Develop a strategy to optimize airway outcomes in patients with penetrating laryngeal trauma, as measured by presence of tracheostomy at last follow-up visit.
- Determine whether a patient with severe penetrating laryngeal trauma resulting in cricoid cartilage or thyroid cartilage fracture will require open reduction and internal fixation of the fracture.
- Assess voice and swallowing outcomes in patients with penetrating laryngeal trauma as measured by ability to communicate verbally and ability to resume an oral diet.

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Michelle Soummers  
**Presentation Title:** Glottic Insufficiency Incidence in the COVID Era: Use It Or Lose It  
**Objectives:**

1. The attendee will be able to identify the changes in incidence of vocal fold atrophy since COVID
2. The attendee will be able to explain the how muscle wasting can occur due to lack of use as well as age related changes
3. The attendee will determine how voice therapy can be an essential part of treatment for this voice disorder

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Mayuri Srikanth  
**Presentation Title:** Assessing Pharyngeal Augmentation Outcomes with Nasometry in Head and Neck Cancer Patients  
**Objectives:**

- Develop a strategy to track pharyngeal augmentation outcomes through nasometry assessment
- Identify pharyngeal augmentation as an important intervention in managing nasopharyngeal reflux
- Utilize nasalance as an important metric for assessing pharyngeal augmentation outcomes

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Yashes Srinivasan  
**Presentation Title:** An Open-Source Low-Cost Flexible Laryngoscope for Resource-Limited Settings  
**Objectives:**

- Utilize low-cost open-source technologies to provide otolaryngologic care in resource-limited settings
- Identify areas in otolaryngology that could benefit from low-cost innovation
- Help reduce global disparities in otolaryngology by participating in the development of open-source resources

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Maya Stevens  
**Presentation Title:** The Effects of Inhaled Corticosteroids on Rabbit Vocal Fold Tissue using Rheometry and RT-qPCR  
**Objectives:**

- Describe the pro-inflammatory cytokine identified in vocal folds treated with corticosteroids.
- Identify the effects of corticosteroids on vocal folds.
- Describe the process of vocal fold inflammation induced by corticosteroids.

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

<p><b>Name:</b> Adam Szymanowski</p> <p><b>Presentation Title:</b> Presbyphonia: Voice Therapy vs. Augmentation A Systematic Review and Meta-Analysis</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Explain the state of current literature on the topic of presbyphonia.</li> <li>• Describe the differences in reported outcomes among different treatments.</li> <li>• Understand the need for future work on presbyphonia.</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> William Tierney</p> <p><b>Presentation Title:</b> Superior Laryngeal Nerve Block for Non-Cough Laryngeal Complaints</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Discuss the evolving uses of SLN block in the laryngology clinic.</li> <li>• Identify disorders other than chronic cough where SLN block may be considered.</li> <li>• Discuss the risks of non-cough SLN block with patients and other providers</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Laura Toles</p> <p><b>Presentation Title:</b> Immediate effect of resonant voice stimulability tasks on voice acoustic output during connected speech in individuals with phonotrauma</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Interpret changes in voice outcome measures following stimulability testing</li> <li>• Justify the use of stimulability testing for individuals with phonotrauma</li> <li>• Implement resonant voice techniques for immediate changes in vocal output during behavioral assessment</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Laura Toles</p> <p><b>Presentation Title:</b> Changes in patient perception following stimulability testing</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Compare patient-perceived changes in voice to clinician-perceived changes in voice following stimulability testing</li> <li>• Develop strategies for improving the patient's buy-in for voice therapy using stimulability testing</li> <li>• Estimate a patient's prognosis by synthesizing both patient-perceived and clinician-perceived measurements.</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Andrew Tritter</p> <p><b>Presentation Title:</b> Thinking outside the box: Novel use of a TEP for voice restoration in a case of total pharyngeal stenosis following caustic ingestion.</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Prompt consideration of nontraditional surgical treatments for caustic laryngopharyngeal injury and the complications thereof.</li> <li>• Utilize a systematic approach to analyzing complex aerodigestive tract burn injury including radiographic and endoscopic exam.</li> <li>• Explain the functionality of a TEP in this particular clinical scenario.</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>
<p><b>Name:</b> Santa Večerina Volić</p> <p><b>Presentation Title:</b> Development of vocal fold mucosal layer in human fetal life</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• better understand dysphonia in children</li> <li>• better understand structural specificities of vocal fold mucosa</li> <li>• better understand histology of the larynx in human</li> </ul> <p><b>Disclosures:</b></p> <p>Financial: No relevant financial relationships to disclose</p> <p>Nonfinancial: No relevant nonfinancial relationships to disclose</p>

**Name:** Erin Walsh  
**Presentation Title:** Laryngeal Hypervigilance and Anxiety Scale  
**Objectives:**

- Identify patient profiles for whom behavioral regimens such as biofeedback, cognitive defusion and reprocessing may be helpful.
- Decipher overlapping characteristics of LPR adapted from Esophageal Hypervigilance and Anxiety Scale.
- Implement broader intervention options for LPR beyond medication and dietary modifications if patients exhibit elevated hypervigilant scores.

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Claire Washabaugh  
**Presentation Title:** Process Improvement Opportunities and Safety Monitoring for Office Based Laryngology  
**Objectives:**

- Identify the benefit of safety monitoring for laryngological office-based procedures.
- Implement a similar safety monitoring practice for their own laryngology procedural practice.
- Apply knowledge of the safety of laryngological office based procedure to their own laryngology practice.

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** WayAnne Watson  
**Presentation Title:** The Diagnosis and Time of Onset of Voice Disorders in Patients with Chronic Cough  
**Objectives:**

- Understand the importance of timely referral to laryngology for chronic cough
- Highlight the link between neurogenic voice disorders and chronic cough
- Discuss delay in laryngology referral for chronic cough

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Jacob Wright  
**Presentation Title:** A Query Into “Marking” in Voice Lessons and Voice Therapy  
**Objectives:**

- Identify current similarities and differences regarding ‘marking’ pedagogy in singing voice instruction and singing voice therapy.
- Identify potential areas of collaboration and optimize communication about ‘marking’ between voice teachers/coaches and voice therapists who work with pre-professional/professional singers.
- Identify next-steps in developing an informed approach to ‘marking’ pedagogy in the rehabilitation and injury prevention of pre-professional/professional singers.

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** VyVy Young  
**Presentation Title:** Medicare Restriction of Telehealth Speech Services Negatively Impacts Patient Care  
**Objectives:**

- Describe impact of removal of telehealth therapy services coverage on patients' decision to keep, change, or cancel therapy
- Describe the impact of distance on patients' decision about therapy if telehealth no longer an option
- Understand impact of this Medicare decision on patients' access to care

**Disclosures:**  
Financial: No relevant financial relationships to disclose  
Nonfinancial: No relevant nonfinancial relationships to disclose



**Name:** Andrew Yousef

**Presentation Title:** Multi-institutional Study on Tracheotomy: An Overview

**Objectives:**

- To understand biases in tracheotomy care and how they can affect tracheotomy outcomes
- To recognize the most common indications, comorbidities, and techniques used for tracheotomies
- To better understand the effect of obesity and race on tracheotomy care

**Disclosures:**

Financial: No relevant financial relationships to disclose

Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Lingyu Yu

**Presentation Title:** Role of Laryngeal Microsurgery in the Treatment of Pediatric Vocal Cord Polyps Ineffective in Conservative Treatment

**Objectives:**

- to explore a comprehensive treatment strategy for children with vocal cord polyps who are ineffective in voice training.
- to evaluate the efficacy of microsurgery in pediatric vocal cord polyps
- to explore the efficacy of conservative treatment in pediatric vocal cord polyps

**Disclosures:**

Financial: No relevant financial relationships to disclose

Nonfinancial: No relevant nonfinancial relationships to disclose

**Name:** Nina Zhao

**Presentation Title:** Clinician Accuracy in Identifying Essential Laryngeal Landmarks on Swallowing Fluoroscopy

**Objectives:**

- Describe clinician accuracy in identifying essential laryngeal landmarks on swallowing fluoroscopy
- List laryngeal structures that are most difficult to identify
- Consider future work that may be needed to help train clinicians to be more accurate in identifying essential anatomic structures on swallowing fluoroscopy

**Disclosures:**

Financial: No relevant financial relationships to disclose

Nonfinancial: No relevant nonfinancial relationships to disclose