



**THE FALL
VOICE
CONFERENCE**
The 2019 Fall Voice Conference
October 17-19, 2019
Dallas, Texas

SESSION LEARNER OUTCOMES

At the end of the session, the participants will be able to:

Session Title	Outcome #1	Outcome #2	Outcome #3
Development of a vocal warm up protocol for vocal fatigue prevention	To discuss the application of semi-occluded vocal tract exercises to prevention of vocal fatigue.	To discuss the development of a semi-occluded vocal tract protocol for vocal fatigue prevention.	As a result of this session, the learner will be able to assess the pilot efficacy data of study on a semi-occluded vocal tract exercise for vocal fatigue prevention.
Vitamin B12 Injection for Vocal Benefit in Professional Singers: a Randomized, Double-blind, Placebo-controlled Crossover Trial	Following this presentation, participants will be able to know the different effects on voice from B-12 injection compared to placebo injection.		
Assessment of the diagnostic utility of oral salivary pepsin detection compared with 24-hour dual pH-impedance probe in diagnosing laryngopharyngeal reflux disease.	Discuss the role and importance of objective testing of laryngopharyngeal reflux.	Identify the advantages and disadvantages of 2 of the diagnosing testing methods available for diagnosing laryngopharyngeal reflux - 24-hour dual pH-impedance probe and salivary pepsin levels.	
Spatial motion characteristics of the arytenoid cartilage using dynamic CT combined with Euler transformations	To investigate the feasibility of dynamic computed tomography (CT) in recording and describing the spatial motion characteristics of the arytenoid cartilage.	To explore the potential application of the dynamic computed tomography (CT) in clinical voice disorders.	
The Art of Voice Therapy	Identify two primary clinician-centered factors in the art of voice therapy	Discuss the limits of a "checklist" approach to voice therapy success	Discuss three considerations in therapy planning that relate to the "art" of voice therapy
Effects of mechanical vibration stimulation of the larynx in voice production	As a result of this presentation, the learner will know more about the impact of mechanical vibration in vocal folds.	Use another rehabilitation method for voice disorders.	Have a better explanation about the importance of vocal endurance.
Toward Precision Voice Rehabilitation: Identifying the Active Ingredients	define the concept of an active ingredient and identify potential active ingredients delivered during voice therapy.	describe how four specific treatment modifications affect VFE efficacy.	explain how knowledge of active ingredients may guide precision voice rehabilitation.
Taking charge of your career as a voice SLP	Identify and incorporate strategies for sustaining healthy voice use in a voice-intensive clinical position.	Identify and discuss successful strategies for optimizing interdisciplinary team interactions.	Identify and discuss opportunities for mentorship, coaching, and sponsorship to support a successful professional career.
The Effect of Vocal Fold Medialization on Dyspnea Symptoms in Unilateral Vocal Fold Paralysis	Confirm expected improvements in voice (VHI-10, GFI) and swallowing (EAT-10) outcomes and describe dyspnea outcomes (DI) using patient reported measures before and after medialization in unilateral vocal fold paralysis.	Analyze and correlate surgical outcomes between VHI-10, GFI, EAT-10 and DI pre- and post- procedure in UVFP.	Elucidate causes of variance in dyspnea (DI) outcomes pre- and post- medialization laryngoplasty in UVFP.
Mitigating Dysphonia and Discomfort after Violent Videogame Voice-overs with Vocal Combat Technique Training	To quantitate the dysphonia and odynophonia experience by actors following the violent	To assess the impact of VCT on mitigating pain with performance and voice handicap	To evaluate the impact on performer reported confidence and readiness to return to take on further voice acting performances

	voicing associated with videogame voice-over sessions		
Medical Device Related Pressure Injuries in Tracheostomy Patients: Underreporting in Electronic Medical Record	Recognize the systems based interest in vigilance and reporting of medical device relation pressure injuries and state reporting intent.	Recognize need to optimize reporting and documentation in order to manifest meaningful quality improvement paradigms following initiation of patient care bundles.	
Management of Presbyphonia: A Systematic Review of the Efficacy of Surgical Intervention	Determine efficacy of surgical intervention for presbyphonia	Discuss data regarding presbyphonia surgical intervention outcome	Demonstrate the need for more studies exploring the surgical management of presbyphonia
Muscle Tension Dysphagia: An Expanded Clinical Picture	draw parallels between muscle tension dysphonia and muscle tensin dysphagia	name 3 common presentations in this cohort of patients with globus and dysphagia despite normal swallowing exams	name what future research in this area should involve to build on the clinical picture
A Comparison of the Histopathological Findings of Calcium Hydroxylapatite versus Teflon Vocal Fold Injection	Discuss the histopathological findings of Calcium hydroxyapatite (CaHA) vocal fold injection.	Compare histopathological findings of CaHA injection to Teflon injection.	
Voice change following testosterone supplementation therapy in women: a multi-institutional case series	describe the off-label use of androgen supplementation in female patients and its acoustic effect on the voice	Explain the treatment options and responses for women with voice change following androgen administration.	comprehend the need for additional study on voice change following androgen supplementation in this population
Office-based KTP laser management of vocal fold lesions in performers and rapid return to performance	Explain the benefits of in-office KTP laser treatment for benign vocal fold lesions	comprehend the safety and tolerability of KTP laser treatment in carefully selected professional performing voice patients	describe the time course of recovery after in-office KTP laser treatment and the expected length of time to resumption of full performance or other high intensity vocal tasks
Investigating Adductor Spasmodic Dysphonia with Fiberoptic High-speed Videoendoscopy during Connected Speech	Identify the diagnostic challenges in spasmodic dysphonia	Explain the benefits of using flexible high-speed videoendoscopy in patients with spasmodic dysphonia	Describe the vocal fold vibratory motion in patients with spasmodic dysphonia during voice onset and steady phonation
Performance Voice Roundtable	To identify the role of different team members in the care of a performance vocalist.	To know when it is appropriate to involve complementary disciplines when caring for a performance vocalist.	To clarify expectations regarding the expected contributions of each member of a performance voice care team.
Testosterone supplementation and voice changes in perimenopausal women	Describe common voice changes associated with testosterone supplementation	Consider testosterone supplementation as a cause of pitch drop and instability	Provide treatment recommendations for those who encounter voice changes in the setting of testosterone supplementation
Stretch and Flow	Identify key ingredients of stretch and flow.	Discuss the likely mechanisms of action for each ingredient in stretch and flow.	Select treatment ingredients that are likely to achieve specific therapeutic targets.
Resonant Voice Therapies	Identify key ingredients of resonant voice therapy.	Discuss the likely mechanisms of action for each ingredient in resonant voice therapy.	Identify individuals who would likely benefit from resonant voice therapy.
VOXFIT™: A Preliminary Study on the Need for and Benefits of Structured Vocal Seminars for Fitness Instructors to Prevent Voice Disorders and Improve Overall Voice Use During Instruction and The Development and Validation of the Instructor Voice Index (IVI) to Quantify the Psychosocial Consequences of Voice Disorders on Fitness Instructors	Education Objective1&2: Describe the significant need and demand for fitness instructors to have more extensive structured vocal training than currently offered in order to prevent their continued high prevalence of voice disorders. Explain the benefit of structured vocal training provided to fitness instructors in order to reduce the high prevalence of voice disorders/complaints in this population and improve their reported poor awareness of how	EducationObjective3: Explain how to conduct an effective structured vocal seminar for fitness instructors focused on reducing/eliminating their vocal complaints, providing education on vocal health/hygiene, improving overall voice use, preventing voice disorders, and training aspects of vocal performance specific to fitness instruction.	EducationObjective4: Explain the purpose and administration of an assessment tool entitled the Instructor Voice Index (IVI) to quantify the psychosocial consequences of voice complaints and disorders specific to the fitness instructor population in order to measure baseline self-perception of voice and re-assess after education/training to quantify an improvement in the voice-related quality of life of the fitness instructor.

	to effectively use the voice for instruction.		
Can Voice Disorders Matter as Much as Life-Threatening Comorbidities in Patients' General Health?	As a result of this activity the participant will be able to summarize how voice disorders independently drive determinants general quality of life, even when adjusting for other conditions.	As a result of this activity, the participant will be able to explain how comorbid status does not lessen the significant impact of voice on general health (i.e. lack of effect modification).	As a result of this activity, the participant will be able to assess multi-dimensional impact of voice on physical, mental, social and overall health status, which is not subsumed by the presence of comorbid conditions.
Effects of pyridostigmine on esophageal and pharyngeal motility in dysphagic patients undergoing high resolution manometry.	Describe the effects of pyridostigmine on esophageal peristalsis.	Describe the parameters of esophageal phase of swallowing on high resolution manometry.	Describe the mechanism of pyridostigmine.
Montgomery's Tubercle: A Surgical Landmark for Thyroplasty Type I	Describe Montgomery's Tubercle (MT), a palpable landmark on the external laryngeal framework for the anterior commissure.	Explain the utility of MT in thyroplasty type one surgery (TT1) as a learned surgical landmark compared to the historical use of _ the vertical height.	
Phonation with a Variably Occluded Facemask: Effects of Task Duration	The listener will be able to describe the immediate effects of a variably occluded facemask on acoustic and aerodynamic features of voice.	. The listener will be able to identify which occlusion size this team found to provide the most positive change in acoustic and aerodynamic features of voice.	The listener will b able to identify the training duration this team to provide the most immediate change in acoustic and aerodynamic features.
The Association between Voice, Breathing, and Cough Symptoms and Health Related Quality of Life	The listener will be able to define health related quality of life as it relates to the impact of conditions on patients.	The listener will be able to describe the correlation sizes between health related quality of life and breathing, voice, and cough symptoms.	
Therapy for transgender pediatric clients	Identify implications for pediatric/ adolescent transgender voice training	Discuss possible voice therapy techniques to use in transgender voice training.	Identify target areas for transgender voice and communication training
Respiratory and laryngeal effects of a short duration vocal exertion task in young individuals.	Explain the laryngeal effects of a short-duration vocal exertion task.	Explain the respiratory effects of a short-duration vocal exertion task.	Explain how the effects of a short-duration vocal exertion task compare with those of longer, traditional tasks.
A novel approach to vocal fold mucus retention cysts: awake KTP laser assisted marsupialization	Describe a novel technique for awake treatment of vocal fold mucus retention cysts		
Decreased Tongue Volume Post Radiation	To evaluate volume changes within the tongue post radiation therapy	To improve the causes of post radiation therapy tongue dysfunction.	
Efficacy of Conversation Training Therapy for patients with benign vocal fold lesions and muscle tension dysphonia compared to historical matched control patients.	Explain that training voice techniques in the context of spontaneous conversational speech improve voice outcomes.		
Conversation Training Therapy	Identify key ingredients of conversation training therapy (CTT)	Discuss the likely mechanisms of action for each ingredient in CTT	Select treatment ingredients that are likely to achieve specific therapeutic targets such as clear speech, intonation variation and projection
Glottal Insufficiency in Transgender Patients	Participant should be able to explain how hormone replacement therapy impacts laryngeal tissues in transgender patients.	Participants should be able to Explain how length of voice therapy impacts glottal area measurement.	
Practice Patterns and Barriers in Botulinum Toxin Injection for the Treatment of Voice Disorders	discuss the risks of using multiple uses of vials	discuss the increased cost of single usage of vials	Identify the increased systemic and single patient cost of single usage of vials

Voice Therapy: Past, Present, & Future	The audience will Explain how the evolution of voice therapy shapes current clinical practice.	The audience will learn the origin of current voice therapy standards	The audience will learn how to be informed consumers of voice therapy research.
Rainbows Versus Peanut Butter: Acoustic And Aerodynamics During Reading Compared To Spontaneous Speech.	After this presentation, the learner will be able to identify potential differences in task related acoustic/aerodynamic measures	Be able to determine which testing stimuli are most appropriate for individual patients	Take into account syntactic features such as intensity, prosody, and rate, when assessing vocal capabilities
Effectiveness of Telepractice by the VoiceEvalU8 App in the Prevention of Voice Problems	Describe the in-person Global Voice Prevention Model (GVPM), telepractice GVPM, and the control condition used with student teachers at West Chester University (WCU).	Explain the use of the VoiceEvalU8 app with the student teachers at WCU.	Discuss the results provided from VoiceEvalU8 from pre to post condition and across 15 weeks of student teaching.
Case Presentations	Identify key ingredients of therapy when treating a young singer with an acute injury		Discuss strategies that may be used to present therapy targets to an adolescent singer.
Comparative Study of Two Semi-Occluded Vocal Tract Protocols for Economy and Compliance	Describe the scientific underpinnings of semi-occluded vocal tract exercises (Lessac Madsen Resonant Voice Therapy (LMRVT) and flow resistant tube (FRT)).	Identify and describe the role of semi-occluded vocal tract exercises (LMRVT and FRT) as a therapeutic intervention for the treatment of voice disorders.	
Efficacy of Electrical Stimulation Therapy in Head and Neck Cancer Patients with Dysphagia After Radiation Therapy: A Systematic Review	After this presentation, the participant will be able to interpret the existing literature on the use of neuromuscular electrical stimulation for dysphagia after radiation treatment in head and neck cancer patients	Explain the importance of additional research on the efficacy of electrical stimulation in treating post-radiation dysphagia in head and neck cancer patients	Explain the importance of optimizing treatment regimens for electrical stimulation in the treatment of post-radiation dysphagia in head and neck cancer patients
ACDF Revision and Dysphonia	Report the incidence of dysphonia following ACDF revision surgery	Describe the nature of dysphonia following ACDF revision surgery	Discuss the importance of a comprehensive voice evaluation both pre and post-operatively
Variations in Phonatory Modes and Vowel Intelligibility: A Study with Synthesized Speech	describe the role of synthesized speech for a study of dysphonic speech	identify the relationship between voice quality and intelligibility	explain that the effect of breathiness is specific to particular vowels
Laryngeal EMG Among Sedated Children	Discuss the approaches to sedated laryngeal EMG among children utilizing pediatric neurologists and otolaryngologists.	Explain the basic interpretations of sedated LEMG among sedated children.	Assess the challenges and opportunities of performing routine sedated LEMG among children with suspected vocal cord immobility.
Muscle Tension Dysphagia Diagnosis and Treatment Algorithm	Identify contributing etiologies of muscle tension dysphagia (MTDg)	Explain the diagnostic algorithm for MTDg patients.	Suggest appropriate treatment approaches for MTDg.
Automated identification of laryngeal papilloma from stroboscopy images using machine learning	Describe the basic applications of machine learning to diagnosing laryngeal pathology		
Ingredients in pediatric voice therapy	Identify key ingredients of semi-occluded vocal tract therapy as adapted for children post airway reconstruction (insert voice therapy technique)	Discuss the likely mechanisms of action for each ingredient as demonstrated by the SOVT ingredients in select pediatric cases.	Select treatment ingredients that are likely to achieve specific therapeutic targets
Gender-Voice Incongruence and Voice-Health Information Seeking Behaviors in the Transgender Community.	Identify the prevalence of voice/gender incongruence in the transgender community.	Identify relevant barriers to accessing information and services faced by the transgender community.	Identify relevant gaps in current research and clinical service when working with transfeminine, transmasculine and gender-nonconforming folks.
Vitamin B12 Injections in Vocal Performers: Science Versus Myth	Know the guidelines for vitamin B12 supplementation	Explain the state of the current state of evidence regarding vitamin B12 supplementation in vocal performers	

Deep brain stimulation and focused ultrasound ablation for appendicular essential tremor also attenuate vocal tremor	After listening to this presentation, participants will be able to summarize the therapeutic options for vocal tremor.	After listening to this presentation, participants will be able to recognize the importance of focused ultrasound as a clinical modality.	
Developing a 3D-printed larynx for injection laryngoplasty training	As a result of this activity, the participant will know the strengths and limitations of existing laryngeal surgical simulators.	As a result of this activity, the participant will know how to access open-sourced instructions and computer files to build laryngeal surgical simulators for educational use at their institution.	As a result of this activity, the participant will Explain the design process for surgical simulators and be able to apply it to their own design projects.
Referring to other specialists	Identify potential adjunct specialties that could improve efficacy of voice therapy.	Identify ways to create relationships with different providers in these areas of specialty.	Discuss situations when adjunct therapies will benefit patients who present to voice therapy.
Instrumented assessment and treatment options in MTD	Identify key components of select instrumentation for assessing MTD features and providing visual feedback during training	Discuss the likely benefits of select instrumented assessment and treatment options	Discuss methodological approaches for appropriate use of select instrumentation for assessment and treatment of MTD
Octanoic Acid for the Treatment of Essential Voice Tremor: A Double-Blind, Randomized Controlled Trial.	Identify key purposes of the study addressing the effects of octanoic acid on essential voice tremor	Describe three features of the methodology used to assess the effects of octanoic acid on essential voice tremor	Identify three findings of the study addressing the effects of octanoic acid on essential voice tremor
Effectiveness of vocal hygiene education with resonant voice therapy on school-aged children with vocal nodules: Preliminary data	describe the primary components of voice therapy for children with vocal nodules	describe the potential factors affecting voice therapy outcomes for children with vocal nodules	
OBJECTIVE QUANTIFICATION OF PERCEIVED VOCAL TREMOR SEVERITY: ACOUSTIC PHONATORY TREMOR INDEX	discuss the different properties in vocal tremor	discuss how the Acoustic Phonatory Tremor Index was constructed	Explain the clinical usefulness of the Acoustic Phonatory Tremor Index
Manual Techniques	Identify key ingredients of primary and secondary muscle tension dysphonia (MTD).	Describe different treatment strategies and select appropriate ones for individual variations.	Select treatment ingredients that are likely to achieve specific therapeutic targets.
Perceived control, voice handicap, and barriers to speech therapy	Describe how voice-specific perceived control and voice handicap were related	Describe how voice-specific perceived control was related to barriers to attending voice therapy	
Gaviscon Advance Raft Forming Performance at Different pH Levels	Describe how alginate based raft forming agents work	Describe the effect of pH on raft formation	Explain how alginate based raft forming agents are incorporated in treatment of esophageal and extra esophageal reflux
Expert agreement on ratings of voice quality using the CAPE-V	Describe the difficulty in obtaining consensus on perceptual evaluation of voice.	Describe the degree to which expert voice clinicians agree on voice quality and why it matters.	
Listener Attitudes towards Individuals with Voice Disorders	Describe the negative impact of voice disorders on listener perceptions	Describe the negative impact of voice disorders on student-teacher relationship	Explain the need for advocacy of vocal care and health for teachers
Vocal fold tracking by artificial intelligence	Describe the benefits and limitations of vocal fold tracking algorithms	Describe the resources available for vocal fold tracking	
Medialization laryngoplasty and true vocal fold compression with adjustable cushion implants	Describe in detail how this new implant works	Summarize previously described models for tissue compression in medialization laryngoplasty	
Utilization of speech language pathology before and after thyroplasty: a national US database study	Discuss utilization patterns of SLP services in large cohort of patients before and after thyroplasty	Discuss utilization patterns of stroboscopy in large cohort of patients before and after thyroplasty	Discuss aspects of interpretation of large cohort database studies as it relates to SLP services

Prevalence and long-term consequences of vocal fold hemorrhage in patients who underwent microscopic laryngeal surgery and Type I thyroplasty	state the incidence of post-operative vocal fold hemorrhage (PVFH) in patients who undergoing MDL and Type I thyroplasty	Identify implications of and risk factors for PVFH in patients who undergoing MDL and Type 1 thyroplasty	manage of PVFH with least long-term consequences
Rates of Primary Radiotherapy versus Surgery and Insurance Coverage in the T1-T2N0M0 Laryngeal Squamous Cell Carcinoma Patient Population Following the Implementation of the Patient Protection and Affordable Care Act.	Describe the inextricable relationship between healthcare finance and insurance, and management trends.		
Nasal Resistance (NR) Technique to Improve Glottal Adduction: Acoustic and Electroglottographic Data	Demonstrate Nasal Resistance Technique	Compare parameters of voice before and after the exercise	Infer results from different SOVTE techniques
Pharyngeal Volumetric Changes Following Primary Chemoradiotherapy Appear Independent of Clinical Outcomes	Recognize anatomic changes to key pharyngeal structures following curative dose chemoradiation therapy	Identify the contribution of post-radiation sequelae to dysphagia.	
An ex vivo porcine model of the anterior glottoplasty for voice feminization surgery	Explain the goals and risks of anterior glottic web feminization phonosurgery.	Utilize the ex-vivo porcine larynx phonatory model for objective research of voice feminization techniques	Gain knowledge to better counsel patients interested in voice feminization surgery.
Prevalence and symptoms of abnormal laryngeal findings in incoming undergraduate musical theatre singers	Upon completion of this presentation, participant should be able to describe the increased risk for vocal health problems in pre professional musical theatre performers	Upon completion of this presentation, participants should be able to describe the prevalence of laryngeal pathology in a group of incoming musical theatre freshman	Upon completion of this presentation, participants should be able to describe the scope of self-reported vocal complaints in a group of incoming musical theatre freshman
Glucocorticoid steroid responses in the healthy rabbit vocal fold	describe techniques for evaluating structural and protein changes in the vocal fold	identify differences in vocal fold structure and proteins induced by IM steroid injections	critically evaluate the suitability of a different steroids for the treatment of vocal fold injuries based upon patient presentation and reported steroid-induced changes in healthy vocal folds.
Effects of age and vocal exercise on laryngeal muscle structure and function	Explain how vocal exercise influences laryngeal muscle structure and function	Identify vocal exercise training differences between larynges of young and old animals	Explain how different vocal exercise doses play a role in neuromuscular adaptations and laryngeal function
Refractory chronic cough desensitization: A randomized, placebo-controlled trial	Participants will Explain cough hypersensitivity syndrome.	Participants will be able to describe the rationale for behavioral cough suppression therapy using a progressive desensitization model.	Participants will become familiar with three cough outcome measures that could be used in the clinic.
PHYSICAL THERAPY CLINICALLY IMPROVES MUSCLE TENSION DYSPHONIA WITH CERVICALGIA: A PATIENT-CENTERED APPROACH	Explain the relation of MTD and cervicalgia.	realize VT plays a vital role in the rehabilitation of those with MTD	Explain that PT appears to play a significant role for those with MTD and cervicalgia.
Airway Management in Vocal Professionals	Explain current practice patterns for airway management in vocal professionals undergoing surgery		
Low Frequency Low Pressure Jet Ventilation: Techniques, Safety, and Complications	Explain indications for safe utilization of low frequency low pressure jet ventilation		
Voice Rest	Identify key ingredients of voice rest and vocal fold hydration	Discuss the likely mechanisms of action in voice rest and hydration.	Discuss relevant literature related to voice rest and hydration.
The Role of Spirometry and Dyspnea Index in the Management of Subglottic Stenosis	To assess the role of spirometry measures and Dyspnea Index (DI) in response to treatment of subglottic stenosis (SGS) and ability to predict need for surgery	To assess correlations between spirometry measures, DI, and physical SGS parameters.	

Differences in Ambulatory Vocal Behavior Between Singers with Phonotraumatic Lesions and Matched Healthy Controls in Singing and Speech	Identify overall differences between singers with phonotrauma and healthy matched controls in weeklong ambulatory voice recordings.	Consider the potential importance and clinical significance of separating singing from speech in ambulatory voice recordings.	Recognize specific differences between singers with phonotrauma and controls that are present in speech only and in singing only.
Patient Satisfaction in Laryngology; Do Physician Demographics Impact Press Ganey Survey Scores?	Explain the evolving importance of patient satisfaction in the practice of medicine.	Explain that there are no demographic differences in the results of PGS in laryngologists	recognize that additional investigation is needed to Explain the subtleties of patient satisfaction
RTSS: A framework for Voice Therapy	Use the Rehabilitation Treatment Specification System to identify ingredients in their therapy	Use the Rehabilitation Treatment Specification System to discuss hypothesized mechanisms of action in their therapy	Use the Rehabilitation Treatment Specification System to identify the targets of their treatment ingredients
Developing patient effort in treatment	Identify ingredients to influence patient volition	Identify the target of voice therapy ingredients intended to increase patient compliance/adherence	Select treatment ingredients using the Capability, Opportunity, and Motivation to perform Behavior (COM-B) model
Identifying Sulcus Vocalis: Patient Characteristics, Endoscopic Findings, and Voice Related Quality of Life Assessment	Explain patient characteristics and endoscopic findings associated with type III sulcus vocalis	Recognize the significance of preoperative and postoperative outcomes assessed by VRQL surveys	
Oncologic and Voice Outcomes in Potassium-Titanyl-Phosphate Laser Treatment of Early Glottic Cancer: A Multi-Institutional Retrospective Study & Review of Literature	Identify the delicate balance of oncologic efficacy and voice outcomes following treatment of glottic carcinoma.	Compare voice outcomes among KTP laser, CO2 laser, and radiation therapies for early glottic carcinoma as described previously in the literature.	Discuss the oncologic and voice outcomes of treatment of early glottic carcinoma using KTP laser.
How Old Will You Be?	Identify key parameters of tissue turnover dynamics in larynx.	Describe relevance of cell and tissue turnover to injury and pathology progression, treatment selection, and post-treatment outcomes in larynx.	
Vibration and Vocal Fold Healing	Identify key ingredients of appropriate behavioral management for acute vocal fold injury.	Discuss the likely mechanisms of action for each physiologic technique.	Select treatment ingredients that are likely to achieve specific therapeutic targets
Voice Analysis with Smartphones: A Low-Cost Experimental Solution	Participants will be able to review traditional voice capture and analysis procedures and observe the differences between optimized and non-optimized settings for voice capture protocols for analysis using mobile devices.	Participants will review standard outcome measures from routine voice analysis and their ability to be derived from mobile captured voice samples.	
Women as Leaders in Healthcare	Explain the benefits of diversity in health care leadership	Recognize barriers to gender equity	Name and define 5 types of unconscious bias
Breathiness and Consensus Auditory-Perceptual Evaluation of Voice (CAPE-V) in Patients Undergoing Medialization Laryngoplasty with or without Arytenoid Adduction	Discuss basic difference between medialization laryngoplasty with and without arytenoid repositioning surgery	Discuss component features of the Consensus Auditory-Perceptual Evaluation of Voice in clinical patients that have undergone medialization laryngoplasty	Discuss challenges with measuring normalized glottal area in clinical patients assessed with flexible strobolaryngoscopy
Is nasogastric tube feeding necessary after surgery for hypopharyngeal diverticula?	To demonstrate that foregoing peri-operative NGT placement is safe during surgical treatment of hypopharyngeal diverticula and cricopharyngeal dysfunction	To demonstrate that early oral feeding is safe after surgical treatment of hypopharyngeal diverticula and cricopharyngeal dysfunction	
Effects of Vocal Exercise following Botox Injection for Adductor Spasmodic Dysphonia	Describe how quality of life of the disorder and the treatment impacts patients	Discuss voice rest and voice exercise as it pertains to Botox and patient experience	