



Links

Virtual Voice Symposium Program

[Faculty List](#)

Symposium Committees

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Time Zones

All Sessions are listed in Eastern Daylight Time.
(New York, Philadelphia)

- Chicago -1 hour
- Denver -2 hours
- Los Angeles -3 hours
- São Paulo +1 hour
- London +5 hours
- Vienna +6 hours
- Beirut +7 hours
- Tokyo +13 hours
- Sidney +14 hours

ON DEMAND ORAL AND POSTER PRESENTATIONS

Basic Science Program (8 presentations)

A Preliminary Investigation of Vocal Fold Kinematics During Clarinet Playing Using Flexible High-Speed Video

Thomas Murry, PhD, CCC-SLP, Wenli Chen, MS, CCC-SLP, David Lott, MD, Stephanie Zacharias, PhD, CCC-SLP

Acoustic and Psychoacoustic Correlates of Perceived Vocal Strain

David Eddins, PhD, CCC-A, Supraja Anand, PhD, Madison Dyjak, BA, Rahul Shrivastav, PhD, CCC-SLP

Differences in Vocal Fold Kinematics and Relative Fundamental Frequency between Voiceless Fricatives and Stops

Yeonggwang Park, BA, Feng Wang, Manuel Díaz Cádiz, MS, Jenny M. Vojtech, BS, Matti D. T. Groll, BS, Cara E. Stepp, PhD

Glottal Attack and Offset Time during Connected Speech in Adductor Spasmodic Dysphonia

Corinne A. Brown, BA, Dimitar D. Deliyski, PhD, Stephanie R.C. Zacharias, PhD, CCC-SLP, Maryam Naghibolhosseini, PhD

Horizontal Calibration for a Laser-Projection Transnasal Fiberoptic High-Speed Videoendoscopy

Hamzeh Ghasemzadeh, MSc, Dimitar D. Deliyski, PhD

Non-Linear Image Distortions in Flexible Fiberoptic Endoscopes and their Effects on Laser-Calibrated Horizontal Measurements

Hamzeh Ghasemzadeh, MSc, Dimitar D. Deliyski, PhD

Spatial Segmentation of Glottal Area in High-Speed Videoendoscopy during Connected Speech

Ahmed M. Yousef, MSc, Dimitar D. Deliyski, PhD, Stephanie R.C. Zacharias, PhD, CCC-SLP, Alessandro de Alarcon, MD, MPH, Robert F. Orlikoff, PhD, Maryam Naghibolhosseini, PhD

Voice Source and Articulation of Overtone Singing: A Case Study

Johan Sundberg, PhD, Anna-Maria Hefele, Björn Lindblom, Ph

Medical (18 presentations)

Automatic Evaluation of Voice Severity using Deep Neural Network

Shunsuke Hidaka, BS, Yogaku Lee, MD, Kohei Wakamiya, PhD, Takashi Nakagawa, MD, PhD, Tokihiko Kaburagi, PhD

Comparative Study of Acoustic Analysis, Electroglotographic and Aerodynamic Measures of Tenors and Sopranos Classical and Non-Classical

Carlos Manzano, MD, María de la Luz Arenas, MD, PhD, Rafael Alarcón, PhD, Marco Guzman, PhD, Antonio Ysunza, MD, PhD, Miguel Angel Villasís, MD, PhD, Wendy Castro, MD

Diagnosing Laryngopharyngeal Reflux: A Comparison between 24-hour pH-Impedance Testing and Pharyngeal Probe (Restech) Testing

Dylan Vance, BS, Jin Park, BS, Ghiath Alnouri, MD, Srihari Daggumati, MD, Ashley P. O'Connell Ferster, MD, Karen Lyons, MD, Justin Ross, DO, Robert T. Sataloff, MD, DMA, FACS

Diagnostic Value of Acoustic and Aerodynamic Measurements and their Correlation with LEMG and VHI

Ghiath Alnouri, MD, William Valentino, BS, Edward Gracely, Dylan Vance, BS, Tami Abigail, Jesse Palmer, MS, CCC-SLP, Robert T. Sataloff, MD, DMA, FACS

Does the Reflux Symptom Index Predict Results of HEMII-pH Testing?

Eliana Kirsh DeVore, MD, Walter W. Chan, MD, MPH, Jennifer J. Shin MD, Thomas L. Carroll MD

Efficacy of Nissen Fundoplication for Management of Refractory Laryngopharyngeal Reflux

Clara Grayhack, BS, Ashley P. O'Connell Ferster, MD, Robert Kucejko, MD, Kirsten Meenan, MD, Ghiath Alnouri, MD, Elizabeth Renza-Stigione, MD, Robert T. Sataloff, MD, DMA, FACS

Food sensitivity and Laryngopharyngeal Reflux: Preliminary Observations

Anish Vora, BS, Dylan Vance, BS, Ghiath Alnouri, MD, Robert T. Sataloff, MD, DMA, FACS

Impact of Respiratory Function on Voice in Patients with Presbyphonia

Maude Desjardins, PhD, Lucinda Halstead, MD, Annie Simpson, PhD, Patrick Flume, MD, Heather Bonilha, PhD

Incidence and Treatment of Singers with Diagnosed Laryngopharyngeal Reflux (LPR) and Gastroesophageal Reflux Disease (GERD): Survey Results

Kathleen Bell, DMA

Incidence of and Risk Factors Associated with Vocal Fold Hemorrhage Following Type I Thyroplasty with Gore-Tex Implant

Daniel Eichorn, BS, Dylan Vance, BS, Jin Park, BS, Ghiath Alnouri, MD, William Valentino, BS

Office-Based Laser Therapy for the Treatment of Reinke's Edema

Anthony Ghanem, MD, Abdul-latif Hamdan, MD, FACS, Pierre Richard Abi Akl, MD, Aya El Hage, MPH

Porous Tough Adhesives for Vocal Fold Closure

Guangyu Bao, MS, Maxence Coulombe, Karen M. Kost, MD, Zhenwei Ma, M.Eng, Mitchell Strong, Luc Mongeau, PhD

Proposal for a New Classification for the Diagnosis and Follow-up of Muscle Tension Dysphonia

Octavio Garaycochea, MD, Secundino Fernandez, MD, PhD, Ana Martinez Arellano MD, Juan Alcalde MD, PhD, Beatriz del Río

Retest Reliability for Complete Airway Interruption Systems of Aerodynamic Vocal Measurement

JJ Lamb, BS, Sarah Schultz, Emily Wendel, Austin Scholp, MS, Jack J. Jiang, PhD, MD

The Application of Dynamic CT Scan in Evaluating the Dynamic Changes of Laryngeal Morphology during Inspiration and Pronunciation

Yanli Ma, MD Jie Cai, MD, Yongjing You, MD, Zheyi Zhang, MD, Jinan Wang, MD, Peiyun Zhuang, MD, Jack Jiang, PhD

The Effects of Menopause on Voice Metrics: A Systematic Review and Meta-Analysis

Filipa M.B. Lă, PhD, Diego Ardura

The Influence of Voice Training on Vocal Learner's Supraglottal Activities, Objective Acoustic Evaluation and Aerodynamic Evaluation

Pinhong Wu, BA, Jie Cai, MD, Liming Huang, MD, Xinlin Xu, MD, Emily Wendel, MD, Peiyun Zhuang, MD, Jack Jiang, PhD

Vibro-tactile Stimulation as a Feasible Symptomatic Treatment for the Voice Disorder Spasmodic Dysphonia

Arash Mahnan, MS, Sanaz Khosravani, PhD, Peter J. Watson, PhD, Yang Zhang, PhD, George Goding Jr, MD, Jürgen Konczak, PhD

Speech-Language Pathology (18 presentations)

Alaryngeal Speech – Analysis of Two Forms of Voice Production in the Same Subject

Susana Vaz-Freitas, SLP, MSc, Elisabete Cardoso, MSc, Ricardo Sousa, PhD, Diogo Coelho, BS, Luis Coelho, PhD

Fundamental Frequency and Intensity Effects on Cepstral Measures in Vowels from Connected Speech of Speakers with Voice Disorders

Marília C. Sampaio, PhD, Jörg E. Bohlender, KD, MD, Meike Brockmann-Bausser, PhD

How Do Tube Diameter and Vocal Tract Configuration Affect Frequency and Amplitude of Oral Pressure Oscillation Caused by Bubbling during Water Resistance Therapy?

Marco Guzman, PhD, Christian Castro, MSc., Karol Acevedo, MSc, Camilo Moran, MsSc, Camilo Quezada, PhD

How Individuals Cope with Chronic Dysphonia: A Cross-Sectional Study

Jared Roduard Hermogenes, BAppSc, SLP, Steven Cumming, PhD, Janet Baker, PhD, Catherine Madill, PhD

Identity and Voice Treatment Outcomes

Marianna Rubino, MFA, MS, CCC-SLP, Maria Dietrich, PhD, CCC-SLP, Katherine Verdolini Abbott, PhD, MDiv, CCC-SLP

Impact of Hearing Protection and Background Noise on the Voice of Steam Train Engineers

Desi Gutierrez, BA, Pasquale Bottalico, PhD, Supraja Anand, PhD

Investigating Student Listening Preferences Using an Online Auditory-perceptual Training Tool (Bridge2Practice)

Catherine Madill, PhD, Aylin Huzmeli, SLP, Duong Nguyen, MD, PhD

Nasal and Vocal Tract Coupling Variation of the Velopharyngeal Opening in 3D Casts

Miriam Havel, MD, Johan Sundberg, PhD

Respiratory Muscle Strength Training for Patients with Presbyphonia

Maude Desjardins, PhD, Lucinda Halstead, MD, Annie Simpson, PhD, Patrick Flume, MD, Heather Bonilha, PhD

The Speech-Language Pathology First Contact Assessment Clinic for Voice Disorders

Christopher Payten, B.Sc, SLP, Catherine Madill, PhD, Kelly Weir, PhD

Speech Pathology Students' Perceptions of a Standardized Patient Clinic for Assessment and Management of Voice Disorders

Anna Rumbach, PhD, Danielle Aldridge, BSpPath, Anne Hill, PhD

Standardization of Nonlinear Analysis of Adult Voices by Phase Space Reconstruction

Lidia Cristina da Silva Teles, PhD, Debora Godoy Galdino, PhD, Mariana Ferreira Gonçalves, Arlindo Neto Montagnolli, PhD

Steam and/or Semi-Occluded Vocal Tract (SOVT) Exercise as Morning Vocal Warm-up Strategy

Andrew Keltz, BA, Monica McHenry, PhD, CCC-SLP

Vocal Fry: Categorization in Running Speech

Katherine Proctor, Ronald C. Scherer, PhD, Brittany Perrine, PhD, Kiersten McCormick

What Helps Speech-Language Pathology Students to Become Competent Clinicians in the Field of Voice? An Investigation of Students' Perceptions

Anna Rumbach, PhD, Katherine Dallaston, BSpPath, Anne Hill, PhD,

Workplace Vocal Health Promotion Program: A Face-to-Face + Tele-Practice Approach in a Colombian University

Ángela Patricia Atar-Piraquive, SLP, Lady Catherine Cantor-Cutiva, PhD

Work-Related Voice Disorders among Telemarketers. A Systematic Review

Lady Catherine Cantor-Cutiva, PhD, Harold Zamir Taborda Osorio, MSc, SLP

Work-Related Voice Disorders: An Overview of Four Latin American Countries

Maria Celina Malebran Bezerra de Mello, Lady Catherine Cantor-Cutiva, PhD, Leslie Piccolotto Ferreira, PhD, Marıa del Carmen Dalmaso, SLP

Voice Pedagogy (14 presentations)

A Case Study of Vocal Maintenance of Singers on a National Broadway Tour

Christianne Roll, EdDCT, Jeanne Goffi-Fynn, EdD

A Demographic Study of Professional Belters: Who They Are and How They Sing

Amanda Chmela, MM, Melanie Vaughan, BM, Jeannette L. LoVetri

A Voice Intake/Re-Assessment Form toward Uniform Documentation for the Vocal Pedagogue

Rachelle Fleming, DMA, Julia Gerhard, DMA, CCC-SLP, Ana Flavia Zuim, Ph.D.

Acoustic Characteristics of Vocal Sounds Used by Professional Actors Performing Classical Material without Microphones in Outdoor Theatre

Joan Melton, PhD, Zachary Bradford, MMusSt, Jessica Y. J. Lee, MM

Airflow Vibrato in Emotional Singing: A Pilot Study

Rosalie Gagnon, BS Student, Aisha Qureshi, MS, Sri Nandamudi, PhD, CCC-SLP, Ronald Scherer, PhD

Comparison of Vocal Dose Estimates for Popular Soprano Arias with Teacher Difficulty Rankings

Jasmine Fernandez, MM, John Nix, MM, MME

Effects of Velo-Pharyngeal Opening on Vocal Fold Contacting

Filipa M.B. Lã, PhD, Brian P. Gill, DMA, Jessica Y. J. Lee, MM, Svante Granqvist, PhD, Johan Sundberg, PhD

Flowball Phonatory Interventions in Collegiate Aged Singers

Caroline Roberts, Student, Juliana Codino, MS, CCC-SLP, Adam D. Rubin, MD, Drake Dantzler, DMA

Focus of Attention in Voice Training: A Survey of Singers

Melissa Treinkman, DMA

Implementation of a Novel MATLAB Program for Automated Tessitura and Vocal Dose Analysis

Christopher Apfelbach, MS, CCC-SLP

Navigating Contemporary Commercial Music (CCM) Styles: A Foundational Singing Voice Pedagogy

Marisa Lee Naismith, D.Phil

Piloting A New Model for Treating Music Performance Anxiety: Training a Vocal Professor to Use Acceptance and Commitment Coaching with a Student

Teresa Shaw, MA, David Juncos, PsyD

Range, Tessitura, and Vowel Analysis of the Texas Music Educators Association (TMEA) All-State Choral Audition Music: Tools for Successful Part Assignments

Paul M. Patinka, MM, Jesus De Hoyos, MM, James Rodriguez, DMA

Vocal Health Practices of Choral Conductors

Edrie Means Weekly, BME, Gwen S. Korovin, MD

Posters

Is There an Improvement on Acoustic Voice Parameters in Patients with Bilateral Vocal Fold Nodules after Voice Therapy? A Meta-Analysis

Rita Alegria, SLP, Susana Vaz-Freitas, PhD, Maria Conceição Manso, PhD

Perceptual-Auditory and Acoustic Analysis of the Voice of Wind Instrumentalists Pre- and Post-Musical Rehearsal

Magda D. Duarte Alves, MS, Mara Behlau, PhD

Role of Warm-Ups in the Development of Children's Singing Voice

Andrea Asztalos, PhD

Cross-Cultural Adaptation of the Chilean Version of Evaluation of Ability to Sing Easily: EASE

Soledad Correa, SLP, Jean Pierre Contreras, SLP, Daniela Olivares, SLP, Nicolás Cano, SLP

Surgical or Non-Surgical Intervention: Comparing and Contrasting Effects of Laryngectomy vs. Chemoradiation/Radiation in Laryngeal Cancer Patients

Natalie Chiappetta, BM

Nonlinear Analysis by Phase Space Reconstruction in Voice Signals with Benign Laryngeal Lesions

Lidia Cristina da Silva Teles, PhD, Mariana Ferreira Gonçalves, MS, Debora Godoy Galdino, PhD, Arlindo Neto Montagnolli, PhD, Vinicius Vieira, PhD

Characterization of Vocal Pathology in Military Drill Instructors

Amber M. Duvall, MS, Gregory R. Dion, MD

The Effect of Aircraft Pilots' Vocal Pitch on The Trust Perception of Passengers

Necati Enver, MD, Gamze Yeşilli Puzella, MSc, Aylin Torgul, SLP, Erdogdu Akca, MD, Serhat Ergün, MD

Female Musical Theatre Belt Technique: A Survey for the New Decade

Jeanne Goffi-Fynn, EdD, Christianne Roll, EdDCT

Trans Male Voice During the First Year of Testosterone: Make No Assumptions

Adrienne B. Hancock, PhD, Kayla Childs, MA, Michael Irwig, MD, Kristen Schwandes, CCC-SLP

Vocal and Non-Vocal Habits among Singers – Systematic Review

Dhanshree R Gunjawate, PhD, Sai Aishwarya Ramani, MASLP, Rohit Ravi, PhD

Utility of Formant-Based Measures for Describing Vowel Intelligibility in Dysphonic Speech

Keiko Ishikawa, PhD, Jossemia Webster, BS

Using Games as a Medium for Voice Hygiene Education

Lisa M. Kopf, PhD

Perceptions and Time Use of University Voice Students During Self-Guided Practice Sessions

Alan J. Martin, PhD

Adult Normative Data for the OMNI-Vocal Effort Scale

Mariah E. Morton, MS, Edie R. Hapner, PhD

Voice and Emotion: An Overview of the Historic and Current Clinical State of the Art

Caitriona Munier, MSc

Understanding the Repertoire, Understanding Ourselves: An Analysis of the Musical Canon Used by NATS Teachers

Paul M. Patinka, MM

Treatment of Post Intubation Dysphonia and Dysphagia with In-office Medialization Laryngoplasty in a Patient with Diffuse Idiopathic Skeletal Hypertrophy (DISH)

Ruwaa Samarrai, MD, Denis Lafreniere, MD

An Acoustic Examination of Pitch Variation in Soprano Singing

Glaucia Verena Sampaio de Souza, MD, João Marcos Trindade Duarte, MD, Marcia Simões-Zenari, PhD, Flávia Viegas, PhD, Kátia Nemr, PhD

Effects of Total Body Vibration and Direct Laryngeal Vibration on Perilaryngeal Relaxation

Alexandra Schenck, BM, Jonelyn Langenstein, MS, Michiel J Bove, MD, Caroline P.E. Price, BA

Vocal Tract Discomfort in Elementary and High School Teachers

Mahdi Tahamtan, MSc, Ali Kakavand, MSc, Ronald C. Scherer, PhD

A Survey on Vocal Hygiene Practices among Female Primary School Teachers in Sri Lanka

J.A. Lakshika Iroshani Thilakarathne, BSc, B.N. Jayasena, MSc

The Effect of Speaking a Second Language on Vocal Function and Vocal Quality of Life

Zoe Thijs, MS, Christopher Watts, PhD

On the Development of an Acoustic Pattern for Esophageal Speech in European Portuguese

Susana Vaz-Freitas, PhD, Elisabete Cardoso, MSc, Ricardo Sousa, PhD, Diogo Coelho, BS, Luis Coelho, PhD

Voice Differences and Quality of Life in Individuals with Marfan Syndrome

Laura Wolford, PhD, CCC-SLP, Ileana Ratiu, PhD, CCC-SLP, Hope Baylow, DA, CCC-SLP, Mitra Esfandiarei, PhD

Special Session: Vocal Fatigue: Is it Worth the Effort?

Moderator: Nancy P. Solomon, Ph.D.

The Three Ms of Vocal Fatigue: Mucosal, Muscular, and Mental

Nancy P. Solomon, Ph.D.

Insights into Effort through the Eyes, Ears, and Brain

Stefanie Kuchinsky

Redefining Vocal Fatigue

Eric Hunter, Ph.D.

Measuring and Monitoring the Complex Nature of Vocal Fatigue

Chaya Nanjundeswaran, Ph.D.

Optimizing Vocal Efficiency and Economy to Combat Vocal Fatigue

Marco Guzmán, Ph.D.

Roundtable: Voice Rehabilitation

Mara Behlau, Ph.D., Moderator

Maria Dietrich, Ph.D.

Edie Hapner, Ph.D.

Estella Ma, Ph.D.

Claudio Milstein, Ph.D.

Caitriona Munier, MSc, MBS, CCC-SLP

Debra Phyland, Ph.D.

Eva van Leer, Ph.D.

Kristiane Von Lierde, Ph.D.

G. Paul Moore Lecture: Making Magic

by Linda M. Carroll PhD CCC-SLP ASHA/FASHA Fellow

Senior Voice Research Scientist The Children's Hospital of Philadelphia, Philadelphia, PA Adjunct Faculty,
Department of Communication Sciences and Disorders The University of New Hampshire, Durham, NH Private
Practice, NY and NH