

THURSDAY, JUNE 2, 2022

THURSDAY, JUNE 2, 2022
AGENDA

Basic Science Sessions III (2:30pm - 4:00pm)

Session III: High Speed Videoendoscopy – Segmentation, Motion Variability, Asymmetry, Laryngeal Dystonia

Session Chair: Johan Sundberg, PhD

The Westin Philadelphia Hotel, Grand Ballroom, Salon II

- 2:30p Investigating the Contribution of Spatial and Temporal Redundancy to the Accuracy of Spatial Segmentation of High-Speed Videoendoscopy
Hamzeh Ghasemzadeh, PhD, David S. Ford, PhD, Maria E. Powell, PhD, Dimitar D. Deliyski, PhD
- 2:42p Nyquist Plot Parameterization for Quantitative Analysis of Vibration of The Vocal Folds
Thomas Arias-Vergara, MSc, Tobias Schraut, BS, Khairy Anuar Mohd, Khairuddin, PhD, Michael Döllinger, PhD
- 2:54p Influence of Perspective Distortion in Laryngoscopy on 2D/3D Symmetry Parameters
Marion Semmler, PhD, Reinhard Veltrup, MSc, Stefan Kniesburges, PhD, Anne Schützenberger, MD, Michael Döllinger, PhD
- 3:06p Automated Representation of Vocal Fold Dynamics in Adductor Spasmodic Dysphonia During Connected Speech in High-Speed Videoendoscopy – A Deep Convolutional Network
Ahmed M. Yousef, MS, Dimitar D. Deliyski, PhD, Stephanie R.C. Zacharias, PhD, Maryam Naghibolhosseini, PhD
- 3:18p Automated Measurements of Glottal Attack and Offset Time in High-Speed Videoendoscopy During Connected Speech for Patients with Adductor Spasmodic Dysphonia
Ahmed M. Yousef, MS, Dimitar D. Deliyski, PhD, Stephanie R.C. Zacharias, PhD, Maryam Naghibolhosseini, PhD
- 3:30p Panel for Session III
Panel: Hamzeh Ghasemzadeh, PhD, Thomas Arias-Vergara, MSc, Marion Semmler, PhD, Ahmed M. Yousef, MS, Kenneth Altman, MD, Linda Carroll, PhD
- 4:00pm-4:30pm Coffee Break

Poster Session (4:00pm - 5:30pm)

Session Chair: Ronald C. Scherer, PhD

The Westin Philadelphia Hotel, Grand Ballroom, Pre-function Hall

- P1 Pediatric Dysphonia: Effects of Vibratory Source on Auditory-Perceptual and Bio-Inspired Computational Measures of Voice Quality**
Anke Adriaansen, MSc, Iris Meerschman, PhD, Kristiane Van Lierde, PhD, Evelien D'haeseleer, PhD
- P2 Role of Famotidine and Other Acid Reflux Medications for SARS-CoV-2: A Pilot Study**
Bailey Balouch, BS, Swetha Vontela, MS, Heather Yeakel, BS, Ghiath Alnouri, MD, Robert T. Sataloff, MD
- P3 Location of Deep Brain Stimulation in Adductor Laryngeal Dystonia Affects Postoperative Voice Outcomes**
Kelly E. Carraro, BS, Courtney L. Kendall, MA, Melissa Previtera, MLIS, Jennifer M. Vojtech, PhD, Victoria S. McKenna, PhD

THURSDAY, JUNE 2, 2022

Poster Session 4:00pm - 5:30pm

- P4 Study of Terminology Used by Singers of Popular Music**
Jennifer Lynn Creamer, BA, Julia Lanham, BA, Parveena Sigh, MA, Adriana Macias, BA
- P5 Comparison of Cepstral Peak Prominence Methods with and without Voice Detection using Praat**
Lauren Colletti, BA, Elizabeth Heller Murry, PhD
- P6 Effect of Cognitive Load on Voice Acoustics in Individuals with Hyperfunctional Voice Disorders**
Kimberly L. Dahl, SLP, Cara E. Stepp, PhD
- P7 Spectral Aggregate of the Fundamental Frequency and its Relationship to the Primary Acoustic Features of Adductor Laryngeal Dystonia**
Wendell R. Davis, DM
- P8 The Effect of Semi-Occluded Vocal Tract Exercises on the Laryngeal Function: A Systematic Review**
Evelein D'haeseleer, PhD, Kaat Pieters, MSc, Anke Adriaansen, MSc, Clara Leyns MSc, Imke Kissel, MSc, Kristiane Van Lierde, PhD
- P9 Great Contemporary Singers On Great Contemporary Singing: A Qualitative Study of Terminology Used by Singers of Popular Music**
Warren Freeman, MM
- Intercultural Perception of Emotions from Voice**
Reese Holahan, BS, Bridget Anne Russell, PhD
- P10 Clinical Cutoff Scores for an Acoustic Index of Vocal Hyperfunction that Combines Relative Fundamental Frequency and Cepstral Peak Prominence**
Mara R. Kapsner-Smith, CCC-SLP, Manuel E. Díaz-Cádiz, MS, Jennifer M. Vojtech, PhD, Daniel P. Buckley, CCC-SLP, Daryush D. Mehta, PhD, Robert E. Hillman, PhD, Lauren F. Tracy, MD, Jacob Pieter Noordzij, MD, Tanya L. Eadie, PhD, Cara E. Stepp, PhD
- P11 Experiences of Speech-Language Pathologists in the Rehabilitation of Unilateral Vocal Fold Paralysis**
Imke Kissel, MSc, Evelein D'haeseleer, PhD, Iris Meerschman, PhD, Eline Wackenier, Kristiane Van Lierde, PhD
- P12 Great Contemporary Singers On Great Contemporary Singing: A Qualitative Surface EMG and Muscle Contributions During Phonation: Systematic Review Including SEMG Tasks, Measurement, and Analysis**
Imke Kissel, MSc, Evelein D'haeseleer, PhD, Iris Meerschman, PhD, Eline Wackenier, Kristiane Van Lierde, PhD
- P13 Influence of Distances in Choir Singing in Professional Boys Choirs**
Marie Köberlein, MA, Jonas Kirsch, MSc, Laila Hermann, MD, Michael Döllinger, PhD, Stefan Kniesburges, PhD, Matthias Echternach, MD
- P14 Effects of Speech Therapy for Transgender Women: a Systematic Review**
Clara Leyns MSc, Tine Papeleu, Peter Tomassen, Guy T'Sjoen, Evelein D'haeseleer, PhD
- P15 The Comprehensive Voice Rehabilitation Program and Electrostimulation in Popular Singers with Behavioral Dysphonia**
Barbara Lopes, MSc, Marco Aurélio Rocha Santos, PhD, Renata Cristina Cordeiro Diniz Oliveira, MSc, Ana Cristina Cortes Gama, PhD
- P16 Intercultural Perception of Emotions from Voice**
Leonardo Lopes, PhD, Estevão Silvestre Sousa, MS, Ronei Marcos Moraes, PhD
- P17 Validation of the Dysphonia Acoustic Index (DAI) as a Tool for the Assessment of Patients with Voice Disorders**
Leonardo Lopes, PhD, Vinícius Jefferson Vieira, PhD

Poster Session 4:00pm - 5:30pm

- P18 Effects of Sung and Spoken Production of Intervocalic /I/ on Formant Frequencies**
Katherine L. Marks, PhD, Taylor F. Feaster, BA, Sarah Baker, CCC-SLP, Philip C. Doyle, PhD, Cara E. Stepp, PhD
- P19 Surface EMG of Extrinsic Laryngeal Muscles During Phonation in Both Males and Female Young Adults**
Iris Meerschman, PhD, Evelien D'haeseleer, PhD, Koot Pieters, MSc, Anke Adriaansen, MSc, Clara Leyns, MSc, Imke Kissel, MSc, Kristiane Van Lierde, PhD
- P20 Transgender People: Vocal Approach in Chile and Argentina Nowadays Voiced Whistle: Preliminary Protocol to Enhance Appropriate Production**
Celina Malebran B. Mello, SLP, Virginia Zangroniz, SLP
- P21 Case Presentation: Rehabilitation of Bilateral Cordal Paralysis, Secondary to Prolonged Intubation in a Patient with SARS-CoV-2, with Left Posterior Cordectomy Using Laser Technique.**
Gonzalo Inostroza Moreno PhD
- P22 Clinical Cutoff Scores for an Acoustic Index of Vocal Hyperfunction that Combines Relative Fundamental Frequency and Cepstral Peak Prominence**
Ahmed Nagy, MD
- P23 Perceptions of Health Monitoring through Smartphone Technology: A Pilot Study in Patients with Chronic Cough**
Yeonggwang Park, PhD, Susan Baker Brehm, PhD, Lisa Kelchner, CCC-SLP, Barbara Weinrich, PhD, Kevin McElfresh, CCC-SLP, Supraja Anand, PhD, Rahul Shrivastav, PhD, Alessandro de Alarcon, MD, David A. Eddins, PhD
- P24 Relation Between Fundamental Frequency and Airflow Modulations During Vocal Bleating While Singing Diatonic Scales: A Pilot Study**
Ashley Platek, Molly Baxter, Addison Bosscher, Jana Feuerstein, Sri Nandamundi, PhD, Ronald C. Scherer, PhD
- P25 Influence of Distances in Choir Singing in Professional Boys Choirs**
Laura J. Pritchard, MM
- P26 A Scoping Literature Review of Relative Fundamental Frequency in Individuals With and Without Voice Disorders**
Nandhu Radhakrishnan, PhD, Megan Bahns, BS, Sloan Winder, BS
- P27 How Does Our Voice Change as We Age? A Systematic Review and Meta-Analysis of Acoustic and Perceptual Voice Data from Healthy Adults Over 50 Years of Age**
Sandra Rojas, PhD, Eliana Kefalianos, PhD, Adam Vogel, PhD, Kathleen F. Nagle, PhD
- P28 Correlation between Voice Quality and Swallow Function in Patients with Parkinson Disorder**
Martha Peña Sanchez, MA, Fernando Delprado Aguirre, MS
- P29 Training of Auditory-Perceptual Evaluation of Voice in Colombian Speech Therapists**
Martha Peña Sanchez, SLP, Fernando Delprado Aguirre, SLP
- P30 A Lifelong Joy: Persistence and Retention Of Older African American Singers VoceVistaVideo Pro in the Vocal Pedagogy Classroom**
Carolyn Sebron, MM, David Meyer, DM, Hakeem Leonard, PhD, Brenda Jo Smith, DMA, Stephanie Standerfer, PhD
- P31 Correlation of Physical Onset Type to Speed of Per Period Timbral Evolution**
Mark Tempesta, MM, kayla Gautereaux, MM, Ian Howell, DMA

THURSDAY, JUNE 2, 2022

Poster Session 4:00pm - 5:30pm

- P32** **How Knowledgeable Are Musical Theatre Performers at California State University, Fullerton about Voice Services Offered by Voice-Specialized Speech-Language Pathologists?**
Zoë Thijs, PhD, Kristie Knickerbocker, CCC-SLP, Christopher, Watts, PhD
- P33** **Glottal Attack and Offset Time Comparison between Patients with Adductor Spasmodic Dysphonia and a Patient with Vocal Tremor in High-Speed Videendoscopy during Connected Speech**
Sarah Zenas, BS, Dimitar Deliyiski, PhD, Stephanie Zacharias, PhD, Maryam Naghibolhosseini, PhD

VIRTUAL POSTERS

- P34** **A Rare Cause of Persistent Hoarseness: Laryngeal Solitary Extramedullary Plasmacytoma**
Zhongjing Pan, Dan Lu, PhD
- P35** **Understanding the Barriers in Seeking Professional Help for Voice-related Problems in Indian Trained Singers.**
Revathi Raveendran, MSc, Yeshoda Krishna, PhD
- P36** **Voice and Mask Use in COVID 19**
Paola Diaz Borrego, MD, Maria Del Campo Sanchez, MD, Marina Lopez Ruiz, SLP, Manuel Rodriguez-Piñero Duran, MD, Marta Montes Catedra, SLP
- P37** **The Relationship Between Voice Aspects and Stomatognathic System Aspects in Lyric Singers**
Rafaela Lombas de Resende, SLP, Ana Carolina Constantini, PhD
- P38** **Voice Usage in Higher Education During COVID-19 Pandemic**
Chloe Elyse Grover, Maria Claudia Franca, PhD, Valerie E. Boyer, PhD
- P39** **Case Report: Biomechanical Analysis of a Patient with Unilateral Vocal Fold Paralysis Before and After Vocal Fold Injection**
Walter Orlando Tenesaca Pintado, MD, Isabel Maria Cardoso López, MD, Roberto Fernández Baillo Gallego de la Sacristanía, MD
- P40** **Vocal Profile and Vocal Training of Chilean Radio Broadcasters**
Mauricio Alfaro-Calfullan, MS, Yuri Vega, MS, Patricio Soldivar, MS, Emily Kimball, PhD
- P41** **Study of Evaluation of Mucosal Wave Variation According To The Pitch by Biomechanical Analysis**
Walter Orlando Tenesaca Pintado, MD, Isabel Maria Cardoso López, MD, Roberto Fernández Baillo Gallego de la Sacristanía, MD
- P42** **Biomechanical analysis of the voice, characterization method in Amyotrophic Lateral Sclerosis (ALS)**
Margarita Perez Bonilla, MD Paola Diaz Borrego, MD, Roberto Fernández Baillo Gallego de la Sacristanía, MD
- P43** **Detection of Amplitude Modulation Glottal Area Waveforms: Application for Detecting Disorders of Vocal Folds**
Vinod Devaraj, MSc, Doria-Aaria Denk-Linnert, MD, Imme Roesner, MD, Philipp Aichinger, PhD
- P44** **Voice Usage in Higher Education During COVID-19 Pandemic**
Chloe Elyse Grover, Maria Claudia Franca, PhD, Valerie E. Boyer, PhD
- P45** **What's in a Name? The Impact of Survey Title on Responses to the Vocal Fatigue Index**
Mary Gorham-Rowan, PhD, Richard Morris, PhD, Laura Lynn Mullis, MS
- P46** **Happy Talk: How Smiling Affects Laryngeal Movement and Pitch**
Gillian de Boer, PhD, Donald Derrick, PhD, Murray Schellenberg, PhD, Bryan Gick, PhD

VIRTUAL POSTERS

- P47 Outcomes of Traditional Voice Therapy With Cognitive Therapy Versus Traditional Voice Therapy for the Management of Functional Voice Disorders: A Systematic Review**
Heidi Gray, SLP, Leah Coman, SLP, Sarah Thorning, Eliabeth Cordell, PhD, Kelly A. Weir, PhD
- P48 Comparison of Vocal Fatigue between School Teachers and College Faculty in South India**
Ceana Mariya Paul, K. Yeshoda, PhD
- P49 Investigating the Effectiveness of Tele-therapy in Treating Voice of an Individual with Unilateral Vocal Fold Paralysis Secondary to Guillain Barre Syndrome: A Case Study**
Jophia Sunny, SLP, Ketaki Vasant Phadke, SLP
- P50 Identification of Vocal Fatigue in Teachers through Biomechanical Voice Analysis**
Sandra Corvo, Roberto Fernandez-Baillo, PhD
- P51 Objective Assessment of Pushing Exercises on Glottic Tension and Strength**
Sandra Corvo, Roberto Fernandez-Baillo, PhD

5:30p Dinner (on your own)



NEW YORK SINGING TEACHERS ASSOCIATION

Educating Voice Professionals Worldwide Since 1906

NYSTA Supports The Voice Foundation on its 51st Anniversary Symposium

Available live in NYC and online worldwide, the New York Singing Teachers Association (NYSTA) offers its international membership events featuring leading figures in vocal performance, pedagogy, and health through the Great Coaches Series and Professional Development Program (PDP), as well as workshops, seminars, master classes and a peer-reviewed quarterly journal to inspire and educate those who work with the singing voice across all musical genres. Founded in 1906, NYSTA is the oldest singing teachers' association in the world. Join history! For more information about membership, professional development resources, and our scholarship program, please visit our website at

www.nysta.org