

# 2019 Boston Speech Motor Control Symposium

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## Poster Presentations

### **The accuracy of respiratory calibration methods for estimating lung volume during speech breathing: A comparison of four methods across three adult cohorts**

V.S. McKenna & J.E. Huber

### **Somatosensory inputs from the vocal tract enhance perception of visible speech movements**

M. Masapollo & F.H. Guenther

### **On the nature of working memory structures in speech sequencing**

M. Masapollo, D.J. Smith, & F. H. Guenther

### **Respiratory and Velopharyngeal Function Decline in Amyotrophic Lateral Sclerosis: A Longitudinal Study**

M. Eshghi, C. Cordella, Y. Yunusova, & J.R. Green

### **Variability of F2 transitions in dysarthria**

F. van Brenk, K. Tjaden, & A. Lowit

### **Context effects on the association between acoustic and kinematic signals**

C. Dromey & J. Christensen

### **Examining the relation between sucking, feeding and speech emergence in the first year of life**

A. Martens, M. Hines, & E. Zimmerman

### **Segmentation and Intonation in Childhood Apraxia of Speech**

R.T. Platt, K.J. Ballard, D.A. Robin, & J.C. Thorson

### **Acoustic and kinematic assessment of motor speech impairment in patients with suspected 4-repeat tauopathies: A pilot study**

C. Cordella, M. Eshghi, K. Getchell, K. Stipanovic, B. Dickerson, & J.R. Green

### **Utility of automated diadochokinesis analysis for differential diagnosis of pediatric motor speech disorders**

K. Allison, I. Nip, P. Rong, T. Hogan, & J.R. Green

### **Effect of altered nasal signal level auditory feedback on control of oral-nasal balance: The effect of knowledge of the task**

V. Srinivas & T. Bressmann

### **Towards Automatic Diagnosis of Laryngeal Dystonia**

D. Valeriani & K. Simonyan

### **Efficacy of a second course of Treatment for Establishing Motor Program Organization (TEMPO) in childhood apraxia of speech**

H.E. Miller, S. Aytur, A. Woodbury, M. James, K.J. Ballard, & D.A. Robin

### **The role of larynx motor areas in respiratory function: An ultra-high field fMRI study of singing and whistling**

M. Belyk, R. Brown, D.S. Beal, & S.A. Kotz

### **Anomalous Neural Connections Between Sensory Regions in People who Stutter**

S. Ramachandar

### **Longitudinal emergence of perception, production, and motor skills in preschoolers**

G.T. Feeny, H. Kabakoff, E. Phillips, M. Tiede, J.L. Preston, & T. McAllister

### **Effects of emotional processes on speech motor control in preschool-age children who stutter**

V. Tumanova & C. Woods

### **Using Generalized Additive (Mixed) Models to uncover novel patterns of speech production and account for unknown by-group variation**

M. Heyne, J. Al-Tamimi, & D. Derrick

### **Investigating the Neural Mechanisms of Speech Rate, Clarity, and Emphasis**

E. Kearney, J.A. Tourville, A. Nieto-Castañón, & F.H. Guenther

### **Concurrent Task Effects on Speech Kinematics and Fluency for an Individual with Parkinson Disease**

Z. Kriegel, S. Holdosh, A. Fullenkamp, & J. Whitfield

### **Speech Motor Impairment Profiling Based on Acoustic Features**

H.P. Rowe, K.L. Stipanovic, M. Eshgi, & J.R. Green

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## **Spatiotemporal index of children with residual /r/ error**

C.E. Spencer, S.H. Dugan, J. Masterson, S. Li, H. Woeste, C. Annand, N. Mahalingam, K. Eary, M.A. Riley, S. Boyce, & T.D. Mast

## **Effect of a concurrent speech and cognitive-linguistic task on global speech timing in multiple sclerosis**

L. Feenaughty, M. McLaughlin, & A. Mickelson

## **Sex differences in cortical thickness within the speech production network**

L. de Lima Xavier, S. Hanekamp, & K. Simonyan

## **Effect of Biofeedback Training on Online Correction in L2 Vowel Production**

J. Jingwen Li, S. Ayala, D. Harel, D.M. Shiller, C.A. Niziolek, & T. McAllister

## **Laryngeal motor cortex activity during sustained vowel production in Parkinson's disease with hypophonia**

J.L. Manes, E. Herschel, A.S. Kurani, A. Roberts, K. Tjaden, T. Parrish, T. Simuni, & D.M. Corcos

## **The Long-Term Effects of the SpeechVive Device for Speakers with Parkinson's Disease**

B.R. Kiefer, S. Snyder, E.T. Stathopoulos, J.E. Sussman, K. Richardson, D. Matheron, & J.E. Huber

## **Implicit and Explicit Motor Sequence Learning in Adults who Stutter**

F. Höbler & L. De Nil

## **Auditory feedback variability in vowel production**

K.G. Munhall, T. Mitsuya, R.E. Norman, D.R. Nault, M.K. Haque, & D.W. Purcell

## **Articulatory Correlates of Disease-Specific Stress Patterns in Dysarthria**

D. Kim & A. Mefferd

## **Movement Endpoint-based Coordination of the Lips and Larynx During /b/ and /p/ Production**

E. Selkirk & A. Turk

## **Vowel acoustics during natural speech: A sensorimotor perspective**

K.J. Reilly, D.M. Casenhiser, & B. Rafferty

## **Speech Error Monitoring in Parkinson's Disease**

S. Gutierrez & A. Roberts

## **Evaluating vocal cues to increase loudness: A neuroimaging and behavioral study**

S. Hélie & J.E. Huber