Dr. Kate Krival

Assistant Professor
HS
ckrival@kent.edu

Education

Ph.D., Medical Speech Pathology **2007**
University of Cincinnati
Effects of Carbonation on Swallowing in Adults with Neurogenic Oropharyngeal Dysphagia.

M.S., Communication Disorders **1985**
University of Wisconsin-Whitewater

B.A., Psychology **1983**
University of Wisconsin-Madison

Higher Education Work Experience

Assistant Professor **08/2007 - present**
Kent State University

Adjunct Assistant Professor **12/2007 - present**
University of Cincinnati

Other Professional Experience

Speech Language Pathologist **2003 - 2003**
Genesis Health Ventures, Pinellas and Hillsborough Counties, FL

Speech Language Pathologist **2003 - 2007**
Drake Center, Cincinnati, OH

Speech Language Pathologist, Rehab Services Coordinator **1995 - 1999**
Genesis Health Ventures, Pinellas and Hillsborough Counties, FL

Speech Language Pathologist **1993 - 1995**

Progressive Rehab Inc., Pinellas County, FL

Speech Language Pathologist, Director of Speech Pathology. Team Leader, Outpatient Services. **1991 - 1993**

Rehab Institute of Sarasota, Sarasota, FL

Speech Language Pathologist **1990 - 1990**

Medical Support Services, Inc.

Speech Language Pathologist **1990 - 1991**

M.J. Therapy and Associates, WI and VA

Speech Language Pathologist, Swallowing Disorders Specialist **1987 - 1990**

Mediplex Rehab, Bradenton, FL

Clinical Fellowship Year **1986 - 1987**

Sacred Heart Hospital, Eau Claire, WI

Clinical Fellowship Year **1985 - 1986**

InSpeech, Inc., Edinboro, PA

Publications

Krival, K. & Bates, C. (2012). Effects of Club Soda and Ginger Brew on Linguapalatal Pressures in Healthy Swallowing. *Dysphagia* DOI 10.1007/s00455-011-9358-9 [Online 2011] 2012

Publication: *Journal Articles, Refereed*

Krival, K.(2011). (1) Aprosodia; (2) Verbal Stereotypy; (3) Prosody; (4) Pure Word Deafness. [In] J. S. Kreutzer, J. DeLuca & B. Caplan (Eds.). *Encyclopedia of Clinical Neuropsychology* (1st Ed.). Heidelberg, Germany: Springer. 2011

Publication: *Encyclopedia Entries*

Leslie, P. & Krival, K. (2010) How To Practice "Undefensively". *Perspectives on Gerontology.* 15: 54-64 doi:10.1044/gero15.2.54 2010
Permanent URL: http://div15perspectives.asha.org/cgi/content/abstract/15/2/54

Publication: *Journal Articles, Non-Refereed*

Broniatowski, M., Moore, N., Grundfest-Broniatowski, S., Tucker, H., Lancaster, E., Krival, K., Hadley, A., Tyler, D.J. Paced glottic closure for controlling aspiration pneumonia in patients with neurologic deficits of various causes. *Annals of Otology, Rinology and Laryngology.* 2010; 119(3):141-149 2010

Publication: *Journal Articles, Refereed*

Krival, K. (2008). Informed consent in clinical research with adults with cognitive impairment. Hearsay, Journal of the Ohio Speech Language Hearing Association. Vol. 19 2008

Publication: *Journal Articles, Refereed*

Krival, K., McGrail, A. & Kelchner, L. (2008) Frequently Asked Questions About Alternative Nutrition and Hydration (ANH) in Dysphagia Care. American Speech-Language-Hearing Association, Rockville, MD. Permanent URL: http://www.asha.org/NR/rdonlyres/FA182098-3583-40A0-B6E9-B203D4F98FD0/ 0/FAQsonANH.pdf - 105.9KB 2008

Publication: *Online Publications*

Weinrich, B., Baker, S., Kelchner, L., Middendorf, J., Krival, K., Elluru, R., and Zur, K. Examination of aerodynamic measures and strain by vibratory source. Otolaryngology - Head and Neck Surgery. 2007;136(3):455-458. 2007

Publication: *Journal Articles, Refereed*

Krival, K., Kelchner, L., Weinrich, B., Baker, S., Lee, L., Middendorf, J., Zur, K. Vibratory source, vocal quality and fundamental frequency following pediatric laryngotracheal reconstruction. International Journal of Pediatric Otorhinolaryngology. 2007: 71(8):1261-1269. 2007

Publication: *Journal Articles, Refereed*

Bankaitis, A.U., Kemp, R.J., Krival, K., and Bandaranayake, D. (2006). Infection Control for Speech-Language Pathology. St. Louis, MO: Auban. 2006

Publication: *Books Authored*

Presentations

Leslie, P., Krival, K. & Murray, J. Living and Dying: Contributing Decisions in Palliative Care. 2 hour seminar. American Speech Language Hearing Association Annual Convention. San Diego, CA. 2011

Type: *National Refereed*

Krival, K., Pecchia, D., Hadley, A., Hahn, E. & Tyler, D. Linguapalatal Swallowing Measure Reliability in Healthy Adults Using Pressure Palatometry. 30 minute oral Technical Session. American Speech Language Hearing Association Annual Convention. San Diego, CA. 2011

Type: *National Refereed*

Leslie, P., Krival, K. & Casper, M. Videofluoroscopy Lost in Translation? Dysphagia Communication Across Settings. One hour Seminar. American Speech Language Hearing Association Annual Convention. San Diego, CA. 2011

Type: *National Refereed*

Ferguson, S., Krival, K. & Redle, E. Terminology Consolidation in Pediatric Biting and Chewing: a Pilot Study. 30 minute oral Technical Session. American Speech Language Hearing Association Annual Convention. San Diego, CA. 2011

Type: *National Refereed*

Krival, K. & Talbert, C. Effects of Distilled Water, Schweppes ® Club Soda and Reed's Extra Ginger Brew on Lingual-Palatal Pressure During Swallowing in Healthy Women. Oral Presentation. Eighteenth Annual Dysphagia Research Society Meeting in San Diego, CA, USA. March, 2010 2010

Type: *International Refereed*

Hadley, A., Krival, K. & Tyler, D. Recording Swallowing Patterns for Activating a Functional Electrical Stimulation System for Dysphagia. Oral Presentation. Biomedical Engineering Society Annual Meeting, Austin, TX. October, 2010. 2010

Type: *National Refereed*

Krival, K., Pelletier, C.A. and Kelchner, L. Effects of carbonated vs. thin and thickened liquids on swallowing in adults with stroke. Oral presentation. Sixteenth Annual Dysphagia Research Society Meeting, Isle of Palms, S.C., USA. March, 2008. 2008

Type: *International Refereed*

Krival, K., Pelletier, C. & Kelchner, L. Effects of Carbonated Versus Thin & Thickened Liquids on Swallowing in Adults With Stroke. Technical Session. American Speech Language Hearing Association National Conference, Chicago, IL. November, 2008. 2008

Type: *National Refereed*

Krival, K. & Bradle, M. Informed Consent for Clinical Research in Adults with Cognitive Impairment. Seminar - One hour. American Speech Language Hearing Association National Conference, Chicago, IL. November, 2008. 2008

Type: *National Refereed*

Krival, K. Assessment and Management of Voice Disorders in the Rehabilitation Hospital. Drake Center, Inc., Cincinnati, OH. 2007. 2007

Type: *State Invited*

Neehouse, L., Kelchner, L., Lee, L., Krival, K. The Use of Rigid Videostroboscopy in the Pediatric Population. Poster. University of Cincinnati College of Allied Health Sciences. Cincinnati, OH. May, 2006. 2006

Type: *Local Refereed*

Scarborough, D., Chable, R., McGrail, A., Krival, K. The Frazier Water Protocol: an Introduction. Session presented to the Southwestern Ohio Speech Language and Hearing Association, Cincinnati, OH. 2006. 2006

Type: *State Invited*

Weinrich, B., Baker, S., Kelchner, L., Middendorf, J., Krival, K., Elluru, R.G., Zur, K. Aerodynamic Measures and Strain by Vibratory Source. Oral Presentation. American Academy of Otolaryngology - Head and Neck Surgery Annual Meeting. Toronto, ON, CA. September, 2006. 2006

Type: *International Refereed*

Kelchner, L., Weinrich, B., Baker, S., Krival, K., Elluru, R.G., Zur, K. Perceptual Ratings of Voice in Children Post-Airway Surgery. Poster. American Academy of Otolaryngology - Head and Neck Surgery Annual Meeting. Toronto, ON, CA. September, 2006. 2006

Type: *International Refereed*

Ball, A., Neils-Strunjas, J., Krival, K. Written Narrative Decline in an Elderly Woman. Mini-seminar. Ohio Speech Language Hearing Association. Columbus, OH. March, 2005. 2005

Type: *State Refereed*

Bandaranayake, D., Krival, K., Cotton, R., Willging, J.P., Zur, K., Kelchner, L., Lee, L., Baker, S., Weinrich, B., Middendorf, J. Voice Following Pediatric Airway Reconstruction. Poster. Ohio Speech Language Hearing Association. Columbus, OH. March, 2005. 2005

Type: *State Refereed*

Krival, K. and Bandaranayake, D. Infection Control for Speech Language Pathology. Mini-seminar. Ohio Speech Language Hearing Association. Columbus, OH. March, 2005. 2005

Type: *State Refereed*

Weinrich, B., Baker, S. Kelchner, L., Lee, L., Middendorf, J., Cotton, R., Willging, P., Zur, K., Bandaranayake, D., Krival, K. Voice Assessment in Children with Laryngotracheal Pathology. Poster. The Voice Foundationâ€™s 34th Annual Symposium: Care of the Professional Voice. Philadelphia, PA. November, 2005. 2005

Type: *National Refereed*

Kelchner, L., Weinrich, B., Baker, S., Cunningham, T., Krival, K., Middendorf, J., Zur, K., Lee, L. Perceptual Ratings of Dysphonia in Children With Complex Airway Conditions. Poster. American Speech-Language Hearing Association Annual Convention. San Diego, CA. November, 2005. 2005

Type: *National Refereed*

Krival, K., Kelchner, L., Zur, K., Baker, S. Weinrich, B., Willging, J.P., Cotton, R., Lee, L., Middendorf, J. Compensatory Phonation Following Pediatric Laryngotracheal Reconstruction. Poster. American Speech-Language Hearing Association Annual Convention. San Diego, CA. November, 2005. 2005

Type: *National Refereed*

Kelchner, L. and Krival, K. Neuromuscular Electrical Stimulation Efficacy Data: A Review of the Physical Therapy Literature, in If it's new, should I use it? Presenters: Jeri Logemann, Donna Lundy, Lisa Kelchner & Kate Krival, Susan McGarvey-Toler, Jackie Hind. American Speech-Language-Hearing Association Annual Convention. Philadelphia, PA. November, 2004. 2004

Type: *National Invited*

Service

Committee, Scientific Review Committee/Summa Health System **2012 - present**

Member, Scientific Review Committee associated with the Institutional Review Board.

Type: *Community*

NSSLHA **2010 - present**

Faculty Co-Advisor to the Kent State University chapter of the National Student Speech Language and Hearing Association.

Type: *Department*

Editorship, **2010 - 2012**

Associate Editor, e-Hearsay, Journal of the Ohio Speech Language Hearing Association

Type: *State*

Member, School of Health Sciences Curriculum Committee **2009 - present**

Type: *Department*

Reviewer, American Speech Language Hearing Assn. CEU Products **2009 - present**

Type: *National*

Committee, Election Management Committee /Ohio Speech Language Hearing Association **2009 - 2011**

Type: *State*

Member, Diversity Committee **2008 - 2010**

Type: *University*

Member, Speech Pathology Graduate Program Admissions Committee **2007 - present**

Type: *Department*

Grants

Co-Investigator, Laryngotracheal Closure and Elevation for Dysphagia Management **2012 - 2014**

Collaboration with: Dustin Tyler, PhD.

Submitted: 2M Status: Pending

Veterans Administration

PI, Effects of aerobic exercise on speech production and linguapalatal swallowing pressures in individuals with Parkinson disease. **2012 - 2014**

ABSTRACT Neuromotor rehabilitation theory posits that treatment should specifically target desired movements. However, recent work suggests exercises targeting breathing and voice yield improvements in untrained speech and swallowing movements in people with Parkinson disease (PD). Similarly, body exercise has been shown to yield distributed benefits to cognition in people with PD, suggesting the improvement may involve indigenous neurotrophic mechanisms such as increased cerebral bloodflow. This project will examine whether body exercise yields distributed neuromotor effects to speech and swallowing in adults with Parkinson disease, and if so, whether those effects are greater with increases in cerebral bloodflow.

Collaboration with: Kate Krival, PhD, Angela Ridgel, PhD, John Gundstad, PhD

Submitted: $5,000.00 Status: Awarded

Awarded: $5,000.00 (0 0)

EHHS Internal Seed Grant Competition

PI, Validation of swallowing pressure palatometry waveforms using concurrent videofluoroscopic analysis. **2011 - 2013**

Collaboration with: Kate Krival, PhD

Submitted: $2,500.00 Status: Awarded

Awarded: $2,500.00 (11 2011)

University Research Council - Applied Research

Co-Investigator, Dynamic Laryngotracheal Closure for Dysphagia **2010 - 2011**

Collaboration with: Dustin J. Tyler, Ph.D., Department of Biomedical Engineering, CWRU; Michael Broniatowski, M.D., F.A.C.S. Chair, Otolaryngology, Head and Neck Surgery, St. Vincent's Charity Hospital

Submitted: $100,000.00 Status: Awarded

Awarded: $100,000.00 (0 0)

Coulter-Case Translational Research Partnership.

PI, An Intraoral Lingual-Palatal Spatial, Temporal and Pressure Pattern Sensor to Describe Swallowing in Young Children: Feasibility and Pilot Data **2010 - 2011**

Collaboration with: Anna Schmidt, PhD, Dustin Tyler, PhD

Submitted: $50,000.00 Status: Not Funded

Ohio Board of Regents

Consultant, Dynamic Laryngotracheal Closure for Dysphagia **2009 - 2010**

Collaboration with: Dustin J. Tyler, Ph.D., Department of Biomedical Engineering, CWRU; Michael Broniatowski, M.D., F.A.C.S. Chair, Otolaryngology, Head and Neck Surgery, St. Vincent's Charity Hospital

Submitted: $100,000.00 Status: Awarded

Awarded: $100,000.00 (0 0)

Coulter-Case Translational Research Partnership.

Co PI, Development and Validation of a Scale to Evaluate Professionalism in Speech Language Pathology Students **2008 - present**

Collaboration with: Mitchell, P.R., Redle, E., Krival, K., Audet, L.

Submitted: $1,500.00 Status: Awarded

Awarded: $1,500.00

Division 11: Administration and Supervision American Speech Language

PI, Swallowing physiology in response to two volumes of water, carbonated water, and ginger ale in healthy female adults and children. **2008 - 2009**

Submitted: $3,500.00 Status: Awarded

Awarded: $3,500.00 (0 0)

Division of Research and Graduate Studies, Kent State University

PI, Analysis of Voice in Children Following Laryngotracheal Reconstruction **2004 - 2004**

Graduate Student Summer Research Fellowship Grant

Submitted: $2,100.00 Status: Awarded

Awarded: $2,100.00 (4 2004)

University of Cincinnati