

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 Progressive Rehab Inc., Pinellas County, FL	1993 - 1995
Speech Language Pathologist, Director of Speech Pathology. Team Leader, Outpatient Services. Rehab Institute of Sarasota, Sarasota, FL	1991 - 1993
Speech Language Pathologist Medical Support Services, Inc.	1990 - 1990
Speech Language Pathologist M.J. Therapy and Associates, WI and VA	1990 - 1991
Speech Language Pathologist, Swallowing Disorders Specialist Mediplex Rehab, Bradenton, FL	1987 - 1990
Clinical Fellowship Year Sacred Heart Hospital, Eau Claire, WI	1986 - 1987
Clinical Fellowship Year InSpeech, Inc., Edinboro, PA	1985 - 1986

Publications

Krival, K. & Bates, C. (2012). Effects of Club Soda and Ginger Brew on Linguopalatal Pressures in Healthy Swallowing. <i>Dysphagia</i> DOI 10.1007/s00455-011-9358-9 [Online 2011] Publication: <i>Journal Articles, Refereed</i>	2012
Krival, K.(2011). (1) Aprosodia; (2) Verbal Stereotypy; (3) Prosody; (4) Pure Word Deafness. [In] J. S. Kreutzer, J. DeLuca & B. Caplan (Eds.) <i>Encyclopedia of Clinical Neuropsychology</i> (1st Ed.). Heidelberg, Germany: Springer. Publication: <i>Encyclopedia Entries</i>	2011
Leslie, P. & Krival, K. (2010) How To Practice "Undefensively". <i>Perspectives on Gerontology</i> . 15: 54-64 doi:10.1044/gero15.2.54 Permanent URL: http://div15perspectives.asha.org/cgi/content/abstract/15/2/54 Publication: <i>Journal Articles, Non-Refereed</i>	2010
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 <i>Annals of Otolaryngology, Rhinology and Laryngology</i> . 2010; 119(3):141-149 Publication: <i>Journal Articles, Refereed</i>	2010

- 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. Linguopalatal 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 Foundation'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: <i>National</i>	
Committee, Election Management Committee /Ohio Speech Language Hearing Association	2009 - 2011
Type: <i>State</i>	
Member, Diversity Committee	2008 - 2010
Type: <i>University</i>	
Member, Speech Pathology Graduate Program Admissions Committee	2007 - present
Type: <i>Department</i>	

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
<i>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.</i>	
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