

Jeffrey J. Berry, Ph.D., CCC-SLP

Goals The aim of my work is to improve the quality of life of individuals who suffer from cognitive/communicative disorders and dysphagia. My clinical experience has focused on helping adults with impairments affecting speech, language, cognition, and sensorimotor control. My research has focused primarily on quantifying and improving speech intelligibility.

Positions **Present Speech Pathology & Audiology – Marquette University**
Assistant Professor

Responsibilities: Teaching courses in Anatomy & Physiology, Speech Science, Voice Disorders, and Dysphagia. Conducting research related to speech intelligibility and swallow function. Clinical supervision.

2007 Select Specialty Hospital Madison – Select Medical Corp.
Speech Language Pathologist

Responsibilities: Assessment and treatment of patients in long term acute care for communication disabilities and disorders of swallow function with special emphasis on patients with tracheostomy and mechanical ventilation.

2005-2007 People First Rehabilitation – Kindred Healthcare
Speech Language Pathologist - Mount Carmel Health and Rehabilitation Center, Middleton Village Nursing and Rehabilitation Center, and Wausau Manor.

Responsibilities: Assessment and treatment of patients in sub-acute care for cognitive-linguistic deficits, speech-motor disabilities, and disorders of swallow function. Documentation of diagnostic and therapeutic activities relative to Medicare/Medicaid standards. Oversight and training of therapists (OT, PT, & ST) in theory and practice related to the treatment of cognitive deficits.

2003-2005 Communicative Disorders, U.W. – Madison
Postdoctoral Trainee - Speech Acoustics Laboratory

NIH T32 DC005359-04, *Interdisciplinary Training in Speech-Language Disorders*.
PI: Ray Kent.

Responsibilities: Development of acoustic analysis methods for quantifying and improving speech intelligibility. Processing and analysis of speech from adults with neurogenic impairments.

2003 Communicative Disorders, U.W. – Madison
Project Assistant - Speech Physiology Laboratory

NIH R03 DC004643-03, *Development of Early Orofacial Motility and Control*.
PI: Jordan Green.

Responsibilities: Calibration and data acquisition with a 3D optical tracking system.

1996-2003 **Waisman Center, U.W. – Madison**
Project Assistant - Speech Acoustics Laboratory

NIH P60 DC001409-08, *Aspects of Articulatory Function: Motor Speech Disorders*. PI: Gary Weismer.

Responsibilities: Acquisition, processing, and analysis of acoustic and kinematic data. Managing student hourly support and laboratory equipment.

1994-1996 **Waisman Center, U.W. – Madison**
Student Hourly – X-Ray Microbeam Laboratory

NIH R01 DC000820-07, *X-Ray Microbeam Speech Production Database*.
PI: John Westbury.

Responsibilities: Post-processing of data describing the kinematics of speaking and swallowing.

Education

University of Wisconsin – Madison

- Ph.D. Communicative Disorders August 2003
- M.S. Communicative Disorders May 2000
- B.S. Communicative Disorders May 1994

Affiliations

American Speech-Language-Hearing Association (ASHA): Clinical Certificate of Competence (CCC), Occasional Reviewer for *Journal of Speech-Language-Hearing Research*, Member of Planning Committee on Speech Science for ASHA 2005 Convention.

Acoustical Society of America (ASA): Member, Contributing Author for *Journal of the Acoustical Society of America*.

Teaching

Summer 2008 **Speech Pathology & Audiology, Marquette University**
SPPA 2443: Dysphagia

Spring 2008 **School of Dentistry, Marquette University**
DENT 203: Speech Pathology (Orthodontics/Prosthodontics Graduate Curriculum)

Speech Pathology & Audiology, Marquette University
SPPA 036: Anatomy & Physiology of Speech
SPPA 244: Voice Disorders

Fall 2007 **Speech Pathology & Audiology, Marquette University**
SPPA 134: Speech Science
SPPA 294: Seminar in Medical Speech Pathology

Fall 2002 **Communicative Disorders, U.W. – Madison**
CD 315: Speech Pathology I (Articulatory & Phonological Disorders)

Research

Berry, J. (in preparation). Toward the study of formant pattern contributions to speech intelligibility for speakers with dysarthria.

Berry, J., and Weismer, G. (in preparation). Do locus equations index coarticulation?

Berry, J., and Weismer, G. (in preparation). Speaking rate effects on tongue, lip, and jaw movements.

Berry, J. (2004). Speaking rate effects on the speed and extent of articulator movements. Proceedings of the 12th Conference on Motor Speech, Albuquerque, New Mexico.

Berry, J. (2004). Control of short-lag VOT (voice-onset-time) for voiced English stops, *JASA*, 115, 2465A.

Weismer, G., and Berry, J. (2003). Effects of speaking rate on second formant trajectories of selected vocalic nuclei, *JASA*, 113, 3362.

Berry, J. (2003). *Second Formant Effects of Low Dimensional Models of Speaking Rate Change in Articulatory Synthesis*. Unpublished Doctoral Dissertation, University of Wisconsin - Madison.

Berry, J. (2002). Acoustic effects of speaking rate changes in articulatory models, *JASA*, 112, 2442A.

Berry, J., and Weismer, G. (2002). Speaking rate effects on formants. Proceedings of the 11th Conference on Motor Speech, Williamsburg, Virginia.

Weismer, G., Yunusova, Y., and Berry, J. (2002). Investigation of labio-lingual coordination in the production of formant frequencies for /u/: Normal speakers and speakers with dysarthria, *JASA*, 112, 2416A.

Berry, J. (2000). *Mechanisms of Short-Lag Voice Onset Time*. Unpublished Master's Thesis, University of Wisconsin – Madison.

Berry, J., and Weismer, G. (2000). Effects of speaking rate on vowel formant trajectories, *JASA*, 118, 2507A.

Weismer, G., and Berry, J. (1997). An acoustic model of gestural overlap: Further studies, *JASA*, 102, 3166A.