

KATHY R. VANDER WERFF

Assistant Professor
Syracuse University
Communication Sciences and Disorders
805 S. Crouse Ave
Syracuse, NY 13244

Office: (315) 443-7403
Lab: (315) 443-7975
E-mail: kvander@syr.edu

EDUCATION

- PhD 2002 University of Iowa, Iowa City, IA
Speech and Hearing Science, Advisor: Carolyn J. Brown
Dissertation: Threshold and supra-threshold responses of
the auditory steady-state response.
- MA 1993 University of Iowa, Iowa City, IA
Audiology
- BA 1991 Northeast Missouri State University, Kirksville, MO
Communication Disorders

PROFESSIONAL EXPERIENCE

- 2004-present Assistant Professor, Communication Sciences and Disorders, Syracuse
University, Syracuse, NY
- 2003-2004 Post-doctoral Research Associate, Communication Sciences and
Disorders, Syracuse University, Syracuse, NY
- 2000-2002 Graduate Teaching Assistant, Dept. of Speech Pathology and Audiology,
University of Iowa, Iowa City, IA
- 1999-2002 Graduate Research Assistant, Dept. of Otolaryngology, Head and Neck
Surgery, University of Iowa Hospitals and Clinics, Iowa City, IA and
Dept. of Speech Pathology and Audiology, University of Iowa, Iowa
City, IA
- 1998-1999 Clinical Supervisor, Dept. of Speech Pathology and Audiology,
University of Iowa, Iowa City, IA
- 1995-1998 Research and Clinical Audiologist, Veteran's Administration Medical
Center, Iowa City, IA
- 1994-1995 Clinical Audiologist, Division of Adult Audiology, Washington
University School of Medicine, St. Louis, MO
- 1993-1994 Audiology Clinical Fellow, Pacific Hearing Service, Atherton, CA

PUBLISHED WORK

- Vander Werff, K.R. (2009). Accuracy and time efficiency of two ASSR analysis methods using clinical test protocols. *Journal of the American Academy of Audiology*, 20(7):433-452.
- Vander Werff, K.R., Prieve, B.A., & Georgantas, L.M. (2009). Air- and bone-conducted tone burst auditory brainstem responses for classification of hearing loss and the relationship to behavioral threshold. *Ear and Hearing*, 30(3), 350-368.
- Vander Werff, K.R., Johnson, T.A., & Brown, C.J. (2008). Behavioral threshold estimation for auditory steady-state response. In: G. Rance (Ed.), *Auditory Steady-State Response: Generation, Recording, and Clinical Applications* (pp. 125-147). San Diego, CA: Plural.
- Vander Werff, K.R., Prieve, B.A., & Georgantas, L.M. (2007). Test-retest reliability of wideband reflectance measures in infants under screening and diagnostic test conditions. *Ear and Hearing*, 28(5), 669-681.
- Vander Werff, K.R., & Brown, C.J. (2005). The effect of audiometric configuration on threshold and suprathreshold auditory steady-state responses. *Ear and Hearing*, 26(3), 310-326.
- Jeng F.C., Brown C.J., Johnson T.A., & Vander Werff, K.R. (2004). Estimating air-bone gaps using auditory steady-state responses. *Journal of the American Academy of Audiology*, 15(1), 67-78.
- Vander Werff, K.R., Brown C.J., Gienapp B.A., & Schmidt Clay K.M. (2002). Auditory steady-state response (ASSR) and auditory brainstem response (ABR) thresholds in children. *Journal of the American Academy of Audiology*, 13(5), 227-235.
- Hughes M.L., Vander Werff, K.R., Brown C.J., Abbas, P.J., Kelsay, D.M.R., Teagle H.F.B., & Lowder, M.W. (2001). A longitudinal study of electrode impedance, EAP, and behavioral measures in Nucleus 24 cochlear implant users. *Ear and Hearing*, 22(6), 471-486.

PRESENTATIONS

- Vander Werff, K.R. (2009, June). Evoked potential measures of central auditory function following head injury. Paper presented at the XX Biennial Symposium of the International Evoked Response Audiometry Study Group, Rio de Janeiro, Brazil.
- Burns, K.S., Soll, A.C., & Vander Werff, K.R. (2009, March). Brainstem responses to speech in younger and older adults. Poster presented at the American Auditory Society Annual Meeting, Scottsdale, AZ. (Student presentation)
- Vander Werff, K.R. (2009, March). Evoked potential measures of central auditory function following head injury: preliminary data. Poster presented at the American Auditory Society Annual Meeting, Scottsdale, AZ.
- Nesbitt K.L., & Vander Werff, K.R. (2008, November). Cortical evoked potentials to frequency change in hearing impaired individuals: Evidence of cortical plasticity? Poster presented at the American Speech-Language and Hearing Association Convention, Chicago, IL. (Student presentation)

- Vander Werff, K.R. (2007, April). ASSR analysis methods and the effect on clinical results. Paper presented at the American Academy of Audiology Convention, Denver, CO.
- Prieve B.A., Vander Werff, K.R., & Georgantas L.M. (2006, April). TB-ABR, OAE & middle ear measures in sleeping infants. Poster presented at the American Academy of Audiology Convention, Minneapolis, MN.
- Senior M.L., & Vander Werff, K.R. (2006, March). Comparison of clinical protocols and analysis methods for recording ASSR. Poster presented at the American Auditory Society Annual Meeting, Scottsdale, AZ. (Student presentation)
- Vander Werff, K.R., Prieve B.A., & Georgantas L.M. (2005, March). Comparing middle ear measures to ABR air-bone threshold status in infants. Poster presented at the American Auditory Society Annual Meeting, Scottsdale, AZ.
- Vander Werff, K.R., & Prieve B.A. (2004, February). Test-retest reliability of wide-band reflectance measures in infants. Poster presented at the 27th Annual Midwinter Research Meeting, Association for Research in Otolaryngology, Daytona Beach, FL.
- Prieve B.A., Sterns A.R., Vander Werff, K.R., & Woods S. (2004, February). Inferring olivocochlear efferent characteristics using protocols from across-species studies. Paper presented at the 27th Annual Midwinter Research Meeting, Association for Research in Otolaryngology, Daytona Beach, FL.
- Vander Werff, K.R., & Brown C.J. (2003, February). ASSR threshold and response growth: Relationship to audiometric configuration. Poster presented at the 26th Annual Midwinter Research Meeting, Association for Research in Otolaryngology, Daytona Beach, FL.
- Brown C.J., Vander Werff, K.R., Johnson T.A., & Schmidt Clay K.M. (2001, October). Serving Iowa's hearing-impaired infants and toddlers, screening through intervention: Using evoked potential techniques to estimate the audiogram. Invited presentation at the Iowa Speech and Hearing Association annual convention, Des Moines, IA.
- Vander Werff, K.R., Brown C.J., Schmidt Clay K.M., & Gienapp B.A. (2001, July). Preliminary results using the ERA device to measure auditory steady-state response thresholds: Comparing ASSR and ABR thresholds in children. Poster presented at the XVIIth Biennial Symposium of the International Evoked Response Audiometry Study Group, University of British Columbia, Vancouver, B.C., Canada.
- Brown C.J., Johnson T.A., & Vander Werff, K.R. (2001, February). Using steady state auditory evoked potentials to assist with determination of cochlear implant candidacy: Initial results using the ERA Systems Ltd. device. Paper presented at the 8th Symposium on Cochlear Implants in Children, Los Angeles, CA.
- Vander Werff, K.R., & Brown C.J. (2000, February). Changes over time in electrode impedance and EAP growth functions for adult Nucleus 24 cochlear implant users. Poster presented at the 6th International Cochlear Implant Conference, Miami, FL.
- Brown C., Abbas P., Hughes M., Vander Werff, K., Gantz B., & Rubinstein J. (2000, February). Prediction of post-implant performance based on pre-implant promontory stimulation: Data from bilateral cochlear implant users. Poster presented at the 6th International Cochlear Implant Conference, Miami, FL.

Brown C., Hughes M., Vander Werff, K., Wahl B., Luk B., & Seyle, K. (2000, March). NRT: From Laboratory to Clinic. Paper presented at the 12th Annual Convention of the American Academy of Audiology, Chicago, IL.

GRANTS AND AWARDS RECEIVED

Advancing Academic-Research Career (AARC) Award Recipient, August 2006, American Speech-Language-Hearing Association, \$5000.

American Academy of Audiology Foundation, July 2005 to July 2006, \$10,000, "Time and Accuracy of ASSR Response Identification Using Two Different Analysis Methods."

Marvin and Carol Schneller Fund (Syracuse University, College of Arts and Sciences), January 2005 to September 2006, \$5,000, "Estimating hearing thresholds using Auditory Steady-State Responses: Evaluating a new analysis method and threshold search procedure."

Deafness Research Foundation Fellowship Award (to attend Second Annual Clinical Research Conference, July 2004)

PROFESSIONAL MEMBERSHIPS/CERTIFICATIONS:

American Academy of Audiology, Fellow

American Auditory Society, member

American Speech Language and Hearing Association, member

American Speech Language and Hearing Association Special Interest Division 10: Issues in Higher Education, member

Association for Research in Otolaryngology, member

Certificate of Clinical Competence in Audiology (CCC-A), American Speech Language and Hearing Association

New York State Audiology license