

Thursday, March 16th, 2pm EDT

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“Acoustic and Neuroanatomical Predictors of Acquired Apraxia of Speech”

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Apraxia of speech (AOS) is a motor speech impairment that can occur concomitantly with post-stroke aphasia. Although AOS (a motor speech disorder) and aphasia (a disorder of language) are distinct clinical entities, evaluation of aphasic phonemic paraphasias and apraxic articulation errors is challenging due to the fact that sound level errors that characterize each disorder can manifest similarly when evaluated perceptually. This difficulty has threatened the validity of clinical diagnostic measures, leaving speech-language pathologists and other professionals with few tools with high sensitivity and specificity to evaluate post-stroke speech impairments (i.e., AOS and dysarthria). This challenge also has implications for investigations into the neuroanatomical correlates of AOS, especially considering the growing body of work endeavoring to study how neuroimaging techniques can facilitate clinical decision-making. Accordingly, the purpose of this presentation is to discuss ways in which acoustic analyses and multimodality neuroimaging techniques can be developed to improve the differential diagnosis of post-stroke speech impairments.

Location: University of South Carolina, Discovery I, Room #140, 915 Greene Street, Columbia, SC 29208

Date: Thursday, March 16th, 2016 Time: 2pm – 3pm EDT

This event will be catered!

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The Center for the Study of Aphasia Recovery (C-STAR; <http://cstar.sc.edu/lecture-series/>) houses researchers who examine the effects of behavioral treatment, brain stimulation, and residual brain function (brain plasticity) on recovery from aphasia. C-STAR is a collaboration between researchers from the University of South Carolina, the Medical University of South Carolina, Johns Hopkins University, and the University of California, Irvine. The Center is funded through the National Institute of Deafness and Communication Disorders (NIDCD) grant #NIH P50 DC014664. Biweekly public lectures, given by members and guests of C-STAR, are accessible live and online. Recordings of the lectures can be viewed via C-STAR YouTube channel: <https://www.youtube.com/channel/UC8p0CuG4He9nqCR4nzhZ7w>