

Self-Judgments of Speech Production Accuracy in Acquired Apraxia of Speech

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Speakers with acquired apraxia of speech (AOS) have long been considered to demonstrate awareness of errors, but error awareness has been rarely quantified. Early research suggested a great deal of variability across AOS speakers in terms of ability to detect their own speech production errors. Error awareness may have utility as a prognostic indicator of response to treatment, but there are no data available concerning the reliability of self-judgments of errors in AOS speakers. The purpose of the present investigation was to examine the test-retest stability of a measure designed to quantify AOS speakers' judgments of accuracy of word productions. Thirteen speakers with chronic AOS and aphasia produced mono- and multisyllabic words and judged the accuracy of their own productions. Percentages of accuracy for judgments of correct productions and erroneous productions were tallied separately for each participant. As a group, participants accurately identified correct productions at a rate higher than erroneous productions. Accuracy of error detection varied across participants with the majority of participants identifying errors at a level exceeding chance performance. Group performance was relatively stable across administration times.