

## **ABSTRACT – Aging & Speech Communication Research Conference 2019**

**Title:** The Quick Repeat-Recall Test (Quick-RRT): An integrative and clinically-oriented assessment of realistic speech-in-noise communication.

**Authors:** Christopher Slugocki<sup>1\*#</sup>, Francis Kuk<sup>1</sup>, Petri Korhonen<sup>1</sup>, & Neal Ruperto<sup>1</sup>.

**Affiliations:** <sup>1</sup>Widex Office of Research in Clinical Amplification (Widex ORCA-USA).

**Contact Email:** chsl@widex.com.

**Contact Phone:** +1 (630) 245-0025.

**Abstract:** Previously, we had introduced the Repeat-Recall Test (RRT) as an integrated validation tool that combines speech-in-noise testing at realistic signal-to-noise ratios (SNRs) with an assessment of auditory working memory test and estimates of listening effort and personal tolerance for communication in noise (Slugocki et al., 2018). More recently, we have collected normative data from older normal hearing listeners and have shown how such data could be useful in counseling patients and in helping patients set realistic expectations for their hearing aids (Kuk et al., 2019).

Here we present the Quick-RRT—an abbreviated and clinically-oriented version of the RRT that shortens testing time to less than 6 minutes while providing information about a patient’s speech-in-noise ability and auditory working memory as well as her/his associated effort and tolerable time at critical SNRs. We discuss the rationale in selecting the Quick-RRT test conditions, drawing upon data from our previous studies. We also explore the clinical utility and importance of a fast and easy-to-administer integrated speech test that provides a platform for individualized counselling with the goal of better understanding each patient’s communication difficulties and the strategies and/or fine-tuning required to help promote hearing aid satisfaction.

**Presentation Preference:** Either poster or podium.

**Conflict of Interest:** The authors are all employees of WS Audiology.