

Target Area: Communication, Language, Speech Disorders

<p>Hux, Rankin-Erickson, Manasse &amp; Lauritzen (2000). <i>Accuracy of Three Speech Recognition Systems: Case Study of Dysarthric Speech. Augmentative and Alternative Communication</i> 16(3):186-196</p>	<p>RoBiNT score - <i>to be confirmed</i></p>
<p>Method/Results</p>	<p>Rehabilitation Program</p>
<p>Design:  Y Study type: SSD. Treatment phase only.  Y Participants: n=2 people:  1. Participant 1: Female, aged 18, with TBI.  2. Control participant: female, aged 28.  Y Setting: Not stated.</p> <p>Target behaviour measure/s:  Y Accuracy score for read sentences.  Y Accuracy score for novel sentences</p> <p>Primary outcome measure/s:  Y No additional.</p> <p>Result: All 3 systems performed with greater accuracy when used by a speaker without dysarthria, and the Dragon NaturallySpeaking and the Microsoft Dictation achieved equivalent or higher recognition scores than the VoicePad Platinum.</p>	<p>Aim: To evaluate speech recognition accuracy percentages following 5 training sessions using each of 3 systems: Dragon NaturallySpeaking, Microsoft Dictation and the VoicePad Platinum.</p> <p>Materials: 20 sentences (10 read out from the ASSIDS and 10 novel sentences). These were read out to three speech recognition systems (Microsoft Dictation, Dragon NaturallySpeaking, and VoicePad Platinum) and the training materials published with each system were used.</p> <p>Treatment plan/procedure  Y Duration: The TBI participant received 21 1 hour sessions.  Y Procedure: 2-3 sessions a week over an 8 week period.  Y Content: Training sessions followed the procedures recommended for each system. The speaker read a few sentences and the system provided feedback regarding the acceptability of volume and voice quality.</p>



Method/Results

Rehabilitation Program

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