WEB APPLICATION FOR THE ASSESSMENT TOOL OF INTELLIGIBILITY OF SPEECH OF PERSONS WITH ACQUIRED MOTOR SPEECH DISORDER

WHAT
A web application for evaluating the severity of the motor speech disorder (dysarthria).

WHY AND FOR WHOM
Dysarthria is the most common complication in speech ability for people after a stroke or with traumatic brain injury. There is no assessment tool for evaluating dysarthria speech for Estonian speaking people. A new test created in 2022 to evaluate the intelligibility of dysarthric speech includes 50 pools that each consist of 12 similar-sounding words (600 words in total). During the testing the examiner identifies the stimulus word from a list and calculates the intelligibility of speech score based on the number of words heard correctly. **A new list of stimulus needs to be generated for each use of the test.**

The new assessment tool allows speech and language therapists to not only assess the start condition of a patient’s speech but also to monitor the positive or negative dynamic of the motor speech disorder. Persons with dysarthria can use this test as well to monitor progress by themselves.

OUTCOME
**A web application** that provides free access to the new test for evaluating the intelligibility of person’s speech has to be easily available for both speech and language therapists and persons with dysarthria.

CONDITIONS
Any outcomes produced by the student team under and within the framework of the Software Project and any transferable intellectual property rights related thereto, incl. all the economic rights of the author and rights to protect intellectual property are transferred to Oksana Palikova from the moment of creating them.

MORE INFORMATION AND CONTACT
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