Computerised Short-term Memory Training for Treating Aphasia
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ABSTRACT

Aphasia, a communication disorder that affects a significant number of people, is frequently accompanied by deficits of short-term memory (STM). Treating this disorder, not only the patients’ memory can improve, also their language comprehension. However, the STM training in aphasia patients has not been investigated in depth, which explains that the current therapies are not efficacy enough. Therefore, the aim of this paper is to present a software tool which is novel and potentially useful for treating STM. This developed software adapts a current treatment carried out in a clinic to a computer, through the implementation of two applications: a video game for the patient and the corresponding configuration tool for the clinician. In this way, the developed software will allow extend the therapy beyond the clinic and make more efficient the clinician work.

Figure 1. Patient’s Application on the top and Clinician’s Application on the bottom.