

Computer-Based Cognitive Retraining for Adults with Chronic Acquired Brain Injury: A Pilot Study

October 2013, Vol. 27, No. 4 , Pages 333-344

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## **ABSTRACT**

This study evaluated the effectiveness of a computer-based cognitive retraining (CBCR) program by Parrot Software on improving memory and attention deficits in individuals with a chronic acquired brain injury (ABI). Twelve adults with a chronic ABI demonstrating deficits in memory and attention were recruited from a convenience sample from the community. Using a quasi-experimental one-group pretest–posttest design, a significant improvement was found in both memory and attention scores post intervention using the cognitive screening tool. This study supported the effectiveness of CBCR programs in improving cognitive deficits in memory and attention in individuals with chronic ABI. Further research is recommended to validate these findings with a larger ABI population and to investigate transfer to improvement in occupational performance that supports daily living skills.