

Abstract

This dissertation focuses on available means of the assessment of cognitive functions in neurological patients in the Czech environment. The main goal was to verify the psychometric qualities and usability of the Czech version of the Neuropsychological Assessment Battery (NAB). NAB is a test battery that assesses attention, language, memory, and spatial and executive functions. The theoretical part of the dissertation introduces the basic cognitive functions and diagnostic tools for their assessment; the next chapter focuses on NAB and especially its psychometric characteristics. Third chapter describes specific diseases (epilepsy and psychogenic seizures), their manifestations and impact on cognition.

Empirical part included participation in the adaptation of NAB to the Czech language. During the research, a group of healthy volunteers ($n = 116$) and patients from the Epilepsy Monitoring Unit ($n = 60$) were tested by the NAB Screening Module. To verify the convergent validity of NAB-SM we administered Repeatable Battery for the Assessment of Neuropsychological Status (including an Effort Index) to a part of the sample. Based on the results, we can conclude that NAB-SM appears to be a suitable method for the assessment of cognitive functions in patients with psychogenic non-epileptic seizures. The advantage of NAB lies primarily in the modularity of the battery layout and the possibility of independent use of the Screening Module.