

Abstrakt

The thesis describes cognitive abilities and attention of children and adolescents with ADHD. It deals with therapeutic and intervention strategies that can be used to reduce symptoms of the disease and to improve cognitive performance of people with the diagnosis.

The theoretical part of the thesis summarizes findings about attention and the structure of cognitive abilities of people with ADHD. A separate chapter lists intervention approaches used in the context of the diagnosis, such as pharmacotherapy, psychotherapy, and also different kinds of alternative approaches (relaxation, exercises, food complements, compensatory tools etc.).

In the empirical part we examine a specific intervention, use of earplugs to eliminate the background noise, can improve the cognitive performance of children with ADHD. The research involved fourteen children with the diagnosis of ADHD. The CAS 2 assessment battery was used to measure their cognitive skills. The statistical analysis confirmed the difference between the cognitive profile of children with ADHD and normal population in executive functioning without working memory. When using the earplugs children with ADHD had better results in the overall score and on the planning scale and successive processes scale.

Keywords:

Attention, ADHD, therapy of ADHD, earplugs.