

عنوان مقاله:

Neurofeedback Effect on Perceptual-Motor Skills of Children with ADHD

محل انتشار:

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خلاصه مقاله:

Objectives: This study investigates the impact of neurofeedback on perceptual-motor skills of 5 to 12 years old children with Attention Deficit Hyperactive Disorder (ADHD). **Methods:** In this clinical study, 40 children between the ages of 5-12 years, who were patients of the Tavanesh Clinic and diagnosed with ADHD, were randomly chosen and divided into two groups of control and test. 20-neurofeedback intervention sessions were performed. The tools utilized in this study included Bruninks–Oseretsky Test of Motor Proficiency and Child behavior checklist (CBCL) survey questionnaire. For evaluation after the intervention, Bruninks–Oseretsky Test of Motor Proficiency scale for children, along with CBCL questionnaire surveys were asked to fill up by the participants' mothers. **Results:** After the intervention, the analysis of the scores in all perceptual-motor skills showed significant differences in both groups, but no significant difference was observed in the subtest of strength. The CBCL survey questionnaire revealed that the average scores on attention disorder, aggression, lack of attention and hyperactivity, externalizing and general problems in the test group is significantly less than that of the control group. However, in the confrontational behavior (internalization), there was no statistically significant difference between the test and control groups. There was a correlation between the change of motor skills and change of behavioral patterns in ADHD children. **Discussion:** Neurofeedback intervention can have positive effects on improving the perceptualmotor skills of children with ADHD

کلمات کلیدی:

Attention deficit disorder with hyperactivity, Neurofeedback, Perceptual-motor skills

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