The effectiveness of neurofeedback training on comorbid LD and ADHD

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Abstract

The present study examined the effectiveness of neurofeedback training on comorbid Learning Disorder and ADHD. This study was a quasi-experimental study without a control group. The study population consisted of all children aged 7 to 14 years with comorbid Learning Disorder and ADHD in Tehran who were referred to Atieh Comprehensive Center for Psychological and Nervous disorders. A convenient sample of twelve children with comorbid Learning Disorder and ADHD was selected. In this study the children received 40 sessions of neurofeedback training thrice a week. The children were assessed using LDES & CAS instruments in two stages (pre-test and post-test). Data were analyzed through paired-samples t test. The results revealed that neurofeedback training had no positive effect on Learning Disorders (p>0.05, t=1.02) but affected Attention Deficit Hyperactivity Disorder positively (p<0.05 t=4.49). In sum, neurofeedback training had no positive effect on comorbid LD and ADHD.

Keywords: neurofeedback, learning Disorder, Attention deficit Hyperactivity Disorder

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