

Comparing the Efficacy of Quantitative Electroencephalogram-Based Neurofeedback Therapy Program versus Organizational Skills Training Program to Reduce the Core Symptoms among Children Group of ADHD

Authors : Radwa R. El-Saadany , Medhat Abu Zeid, Tarek Omar, Marwa S. Maqsoud

Abstract : Attention deficit/hyperactivity disorder (ADHD) is one of the most common neurodevelopmental disorders characterized by attention deficit, hyperactivity, and impulsivity. Neurofeedback (NF) is one of the neurotherapy treatments that cause brain wave changes. Method: The current pseudo-experimental study with a pre-post-test design was conducted on a population of children with attention deficit hyperactivity disorder (ADHD). The sample size comprised of (30) children selected by random sampling method and assigned to two therapeutic groups: First therapeutic group received a neurofeedback program. Based on QEEG, it reached (10) children. The second therapeutic group received an organization skills training program, it reached (10) and the control group that did not receive programs, it reached (10) children. Results: There are significant differences between pre- and post-assessments among therapeutic groups in reducing the three core symptoms of ADHD in favor of post measurement. There are no significant differences between post-assessment and follow up measurement of the therapeutic groups.

Keywords : QEEG-based neurofeedback therapy program, organizational skills training program, attention deficit hyperactivity disorder

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