

A Comparison Between Barkley Behavioral Therapy, Minuchin Structural Family Therapy and Neuro-feedback on Syndrome among children Suffering from Attention Deficit – Hyperactivity Disorder

Doulatyari N.¹, Tajeri B.^{2*}, Khajvand Khoushli A.³, Akbari H.⁴

Abstract

Introduction: Due to the consequences of attention deficit - hyperactivity disorder, various therapy approach has been formed. This research aimed to investigate a comparative study between Barkley behavioral therapy, Minuchin structural family therapy and neuro-feedback on syndrome among children suffering from attention deficit – hyperactivity disorder.

Methods: This study was a quasi-experimental pretest-posttest with a control group. The study population consisted of all primary school student in Karaj in 2018. By using cluster sampling method, 400 students selected and screening conducted for hyperactivity. The sample consisted of 40 (10 for each group) students and their mothers were selected by as an available method and randomly recruits to each of groups. Instruments for gathering data were semi-structured diagnostic interview, short diagnostic scale for hyperactivity and attention deficit disorder and multidimensional child anxiety scale. Then, the participants in the experimental groups (Three groups) participated in Barkley behavioral therapy, Minuchin structural family therapy and neuro-feedback, while the control group did not receive any intervention. Then, the data were analyzed using SPSS.v21 software and statistical tests such as MANCOVA and ANCOVA.

Results: The results indicate that Barkley behavioral therapy, Minuchin structural family therapy and neuro-feedback have significant impact on syndrome among children suffering from attention deficit – hyperactivity disorder, generally. Furthermore, post-hoc test revealed that the efficacy of therapies on syndrome of experiment groups is different. Three months follow-up results represent resistance of therapies.

Conclusion: using of these therapies for reduction of syndrome among children suffering from attention deficit – hyperactivity disorder.

Keywords: Attention deficit – hyperactivity disorder, Barkley behavioral therapy, Minuchin structural family therapy, neuro-feedback, syndrome

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¹ - Ph.D. student of Health Psychology, Islamic Azad University, Gorgan branch, Gorgan, Iran.

² - Corresponding Author Assistant professor of General Psychology, Islamic Azad University, Karaj branch, Karaj, Iran. btajeri@yahoo.com.

³ - Assistant professor of Psychology, Islamic Azad University, Gorgan branch, Gorgan, Iran.

⁴ - Assistant professor of Psychology and Educational Science, Islamic Azad University, Azadshar branch, Azadshar, Iran