The Comparison of Visual Perception Skills in 7 - 12-Year-Old Children with or Without Dyslexia Who have Attention Deficit Hyperactivity Disorder

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Abstract

Background: The recognition of problems occurring with ADHD comorbid disorders can largely facilitate their diagnosis and treatment.

Objectives: The present study aims to compare the visual perception skills of 7 - 12-year-old children with or without dyslexia who have ADHD.

Methods: This is a descriptive-comparative study that encompasses a statistical population of 7 - 12-year-old children with ADHD in Iran who were convenience-sampled in Tehran’s therapeutic centers in 1394. The groups completed visual perception skills tests and the results were compared by independent T-test.

Results: The results of the independent T-test demonstrate that the children with ADHD but without dyslexia had better form constancy, visual discrimination, visual closure, visual-spatial relationship, visual sequential memory, visual memory, and figure ground discrimination (P < 0.01).

Conclusions: Due to the difficulties suffered by children with ADHD and dyslexia, we recommend early diagnosis, medical screening, and use of suitable therapeutic methods to identify and minimize the number of children exposed to the high risks of undiagnosed ADHD and dyslexia