Title: Evaluation of time Perception in Child and Adolescent with Attention Deficit/Hyperactivity Disorder

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Abstract: Background: Attention Deficit/Hyperactivity Disorder (ADHD) is one of the most common behavioral diseases in children. ADHD starts in children with clinical manifestations including hyperactivity, inattention and impulsivity. These children may have some problem in waiting turns, remaining calm in a place, or frequent shifting in their activities. On the other hand, one of the most dangerous behaviors in adolescents and adults with ADHD is reckless driving. One of the reasons for such problems in these children adolescents may be presence of some sort of problem in time perception. In the present study the perception of time has been evaluated in these children.

Materials and Methods: 42 control children and 42 ADHD children attended in this study. Case were selected using simple sampling method from outpatient child and adolescent psychiatry clinics of Emam Reza clinic and the control children were selected from outpatient pediatric clinics of Emam Reza clinic. The Strengths and Difficulties Questionnaire (SDQ) and time perception test (that included a visual and an auditory time perception component) were completed by parents and children, respectively. The obtained data were analyzed using Chi Square with t-student tests when appropriate.

Results: There was significant difference in visual time perception task between the two groups. There was not any significant difference in the auditory time perception task.

Conclusion: There may be some difficulties in time perception of children and adolescent with ADHD.

Keywords: ADHD, time perception, SDQ questionnaire, Children, Adolescents

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