

Poor Cognitive Flexibility as Suggested Basis for Learning Difficulties among Children with Moderate-INTO-Severe Asthma: Evidence from WCSTPerformance

Authors : Haitham Taha

Abstract : The cognitive flexibility of 27 asthmatic children with learning difficulties was tested by using the Wisconsin card sorting test (WCST) and compared to the performances of 30 non-asthmatic children who have persistence learning difficulties also. The results revealed that the asthmatic group had poor performance through all the WCST psychometric parameters and especially the preservative errors one. The results were discussed in light of the postulation that poor executive functions and specifically poor cognitive flexibility are in the basis of the learning difficulties of asthmatic children with learning difficulties. Neurophysiologic framework was suggested for explaining the etiology of poor executive functions and cognitive flexibility among children with moderate into severe asthma.

Keywords : asthma, learning disabilities, executive functions, cognitive flexibility, WCST

Conference Title : ICCPBS 2015 : International Conference on Cognitive, Psychological and Behavioral Sciences

Conference Location : Zurich, Switzerland

Conference Dates : January 13-14, 2015