

A Case Controlled Study on Balance Function of Attention Deficit Hyperactivity Disorder (ADHD) Children

Wang, J., Wang, Y., & Ren, Y. (2003). A case controlled study on balance function of attention deficit hyperactivity disorder (ADHD) children. *Beijing Da Xue Xue Bao*, 35, 280-283.

The balance function of children with ADHD was compared to controls in a study group of 160 participants, with 80 subjects in each group matched by age and sex. Balance conditions included firm surface eyes closed, foam surface eyes open and closed, single leg stance with eyes open and closed. Under all of the conditions mentioned, children with ADHD demonstrated greater sway velocity than controls. For the condition of foam surface with eyes closed, there was a correlation between sway velocity and results of a sensory checklist for vestibular and somatosensory dysfunction, measures of performance IQ, and hyperactivity index of the Connor Scale. The authors conclude that children with ADHD have poor stability and abnormal sensory integration. They suggest a relationship between balance dysfunction and other clinical symptoms in cognition and behavior.