

Bibliographic identification

BENÁKOVÁ, Lucie. Evaluation of Developmental Dyspraxia in Children with Obesity. Prague: Charles University, 2nd Faculty of Medicine, Department of Rehabilitation and Sports Medicine, 2013. 88 p. Supervisor MUDr. Josef Kraus, CSc.

Abstract: The aim of the study was to evaluate the level of motor skills in children with obesity using a diagnostic test Movement Assessment Battery for Children, second edition. We also wanted to determine whether there is a linear correlation between motor skills and attention in obese children. Attention was assessed using the d2 test of attention. We tested 32 children (13 girls and 19 boys), mean age 13.3 years. We found that the relative frequency of motor skill deficits in obese children were significantly different from the relative frequency of motor skill deficits in the general population. We found statistically significant difference between each motor skills in boys group assessed by MABC-2 test. Furthermore, we confirmed the existence of a statistically significant linear correlation between the level of motor skills in obese boys and percentile of Body Mass Index. In obese girls, this correlation was not demonstrated. We have not shown any significant linear correlation between levels of motor skills and attention.

Keywords: motor skills, obesity, attention, DCD, body mass index, children