

Bibliographic identification

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Abstract

The diploma thesis deals in the theoretical part with summarizing the knowledge of Developmental Dyspraxia or rather Developmental Coordination Disorder, the effect of music on human and the possibilities of using music as one of the possible intervention to treatment of motor difficulties. The practical part deals with an evaluation of motor skills in a group of 25 pianists with the usage test battery Movement Assessment Battery for Children, second edition (MABC-2). It is also engaged in trying to disclose the relationship between level of motor skills and the attention of the child and assesses the level of physical activity of pianists. The physical activity was monitored using accelerometers ActiGraph GT3X and attention was diagnosed by the d2 test. No significant difference in level of motor skills compared to the norm population was found, however, a significant difference between scores of the single components of the test MABC-2 was revealed. The statistically significant correlation between the level of motor skills and attention was also confirmed.

Keywords

developmental dyspraxia, developmental coordination disorder, effect of music, piano, MABC-2, attention, accelerometer