

Abstract

Title: Effect verification of interventional movement program on the motor skill development of children with specific needs.

Objectives: The main goal of this thesis is to assess the level of physical skills of older school aged children based on the pretest using the MABC-2 test battery. Based on the analysis of pretest results, establish a movement interventional program and use a standardized questionnaire submitted to specialists to determine the effectiveness of the motor stimulation program for children with specific needs and improve the results of a potential post-test.

Methods: The template for creating the movement program was collected data using the MABC-2 test battery obtained in six probands aged 11 to 13 years with specific needs. Originally, the practical part of my thesis was to deal with quasiexperiment, which was supposed to obtain data before and after the implementation of an interventional program which includes the movement program presented here. However, control measurements were not allowed due to government regulations due to the Covid-19 pandemic. Method of the pretest analysis of motor skills through the MABC-2 test battery and the method of the standardized questionnaire were used for the purpose of this thesis. Through this questionnaire, specialized experts commented on the aspect of suitability and effectiveness of the movement program, which aimed to stimulate the weakened motor skills found in the MABC-2 pretest battery.

Results: Similarities were found between the specific need for probanda and the result of the initial measurement of the MABC-2 test at the motor level. Despite finding disadvantages in the recording of percentile equivalents belonging to individual bands, which evaluate the level of motor skills using the MABC-2 test, this test battery has proven suitable for testing rough motor skills of children of older school age. Addressed professional company rated the proposed interventional movement program as potentially effective through standardized questionnaire.

Keywords: applied physical activities, physiotherapy, coarse motor training, coordination, older school age, therapeutic physical education, MABC-2, comprehensive rehabilitation