

Annotation

This diploma thesis deals with relations between developmental coordination disorder (or developmental dyspraxia) and laterality and handedness. In the theoretical part this work summarizes actual knowledge about the origin and the development of laterality and handedness and describes possibilities how to examine it. It also deals with knowledge about developmental coordination disorder, its characteristic, etiology, prevalence and diagnostic possibilities. The aim of the practical part was to evaluate motor difficulties in children with right and left handedness and to compare differences. The Movement Assessment Battery for Children 2 was used for that evaluation. Motor skills in 64 children (30 left-handed and 34 right-handed) were evaluated. We haven't found any difference between those groups of children, their results were very balanced. We have also tested the motor skills in children with crossed eye-hand laterality, any significant difference hasn't been found in comparison with standard population. The group of children with learning disabilities has been also evaluated, we have found statistically significant difference between their motor skills and motor skills of standard population.