

This diploma thesis deals with the issue of children with Down syndrome. Down syndrome is the most common genetic disorder with trisomy 21st chromosome with typical overall psychomotoric delay. The thesis is focused on the specific difficulties of children with Down syndrome, with emphasis on motor skills. Children with Down syndrome are examined by standard motion test Movement Assessment Battery for Children, 2nd edition (MABC-2). There are a total of 19 children ranging in age 3-14 years. The control group of children is chosen in similar age group, a total of 20 children. Simultaneously at work is compared a parameter of achievement independent walking. This milestone is very often assessed and used in children with Down syndrome.

The results show that children with Down syndrome in comparison with healthy peers did not achieve the similar level of motor skills. In the percentile rating, the children reached the level below the 5th percentile of standard norms.