

Abstract

The theoretical part (overview of theoretical knowledge) of the bachelor's thesis will present a research of selected key publications on the topic of premature children. The basic facts, specifics, spectrum of deficits or current care for these children will be described, because with the progress of medicine, the needs of premature children with low birth weight have changed significantly over the last thirty years. The work will focus on the knowledge supporting a comprehensive approach to the treatment of premature babies from the time they leave hospital until adulthood. The theoretical part will also include a description of children's coordination skills in the context of developmental kinesiology up to the period of their school age, together with the theoretical basis for the development of these skills. The bachelor thesis also presents a summary of therapeutic procedures for medical rehabilitation, especially from the point of view of physiotherapy.

The practical part of the work consists of testing the level of motor functions of a group of 23 premature children with perinatal load aged 9-10 years with criteria: birth before the 32nd gestational week and birth weight less than 1500 g. From birth, these children are managed by the Centre for Comprehensive Care for Children by Perinatal Load at the Clinic of Paediatrics and Inherited Metabolic Disorders in General University Hospital in Prague. Most of these children in the tested group had deviations from motor development since birth, then they were also classified as children with developmental coordination disorder (DCD) and at the same time they were indicated for physiotherapy in early childhood. The selected standardized tests for measuring motor deviations were the Kraus - Weber test and the Movement Assessment Battery for Children-2nd edition. The results will be processed into clear graphs, tables and will be interpreted in relation to each other.