

ABSTRACT OF DIPLOMA THESIS

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Title: Clinical utility of the QUEST test in occupational therapy for evaluation of the upper extremities function in children with cerebral palsy

Subtitle: QUEST - Quality of Upper Extremity Skills Test

This diploma thesis engages in description of the QUEST (Quality of Upper Extremity Skills Test) test and its practical contribution to the practice of occupational therapy. The main aim of the thesis is to demonstrate the utility of the QUEST test as an evaluation of functional capabilities of upper extremities in children with cerebral palsy in Czech occupational therapy practice. The theoretical part provides basic information about cerebral palsy in children, about the possibilities of intervention in occupational therapy focussed on upper extremities, about the importance of assessment in occupational therapy, with an emphasis on the use of standardized evaluation tools in occupational therapy. Big part is also devoted to the characteristics of the foreign test QUEST. It includes information about the origin of the test, psychometric properties and normative data. Furthermore, the description of the test items, the method of administration and evaluation, as an interpretation of the results are included. The clinical utility of the test at the diagnosis of cerebral palsy is also not omitted. Ten children with cerebral palsy were evaluated in the practical part of the diploma thesis. An exemplary case study of three children evaluated by the QUEST test was assessed as an evidence of the test income for practical use in occupational therapy. The evaluation of the other seven children was used for the definition of benefits and disadvantages of the test for practical application. The appendix of the thesis contains the czech translation of the QUEST test manual, translated by the author of the thesis, which can make it easier for practitioners to use the test. The diploma thesis brings the possibility of getting acquainted with the QUEST test and its practical applicability for evaluation, determination of goals and plans in occupational therapy and evaluation of the effect of therapy in pediatric patients with cerebral palsy to the professional public in the Czech Republic.

Key words:

QUEST, occupational therapy in pediatrics, assessment, cerebral palsy, upper extremity