

ABSTRACT OF THE DIPLOMA THESIS

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Title of the diploma thesis:

Possibilities of Using ICF and WHODAS 2.0 Questionnaire in Patients with Upper Limb Movement Disorders from an Occupational Therapist's Perspective

Abstract of the diploma thesis:

This thesis deals with the issue in subjects with upper limb mobility disorders, specifically with central hemiparesis, from the perspective of an occupational therapist. Objective functional assessment will be carried out using the International Classification of Functioning, Disability and Health (ICF), and subjective assessment will be carried out using the WHODAS 2.0 questionnaire, WHO Disability Assessment Schedule 2.0.

This thesis focuses on subjects with upper limb mobility disorders. All subjects will have the same basic diagnosis, which is right or left central hemiparesis, and should be no more than 3-4 years after a stroke, over 18 years of age, with no upper age limit, or subjects after traumatic brain injury (TBI). The practical part will include patients with a disability level ranging from 1-3, they must not have plegia or contracture, they must be without aphatic deficit and severe cognitive deficit – mild cognitive impairment may be present, but the ability to understand must be preserved. Data will be obtained at the Daily Neurorehabilitation Day Care Center specialized in acquired brain injury at the Clinic of Rehabilitation Medicine, 1st Faculty of Medicine, Charles University and General University Hospital in Prague.

The aim of this thesis is to use the ICF classification to determine the extent of disorder (limitation) they have in certain selected domains related to the patient's functional status. Specifically, we will focus on collecting data in the areas of body functions (b), activities and participation (d), and environmental factors (e), which we will then evaluate using qualifiers ranging from 0-4. The collected data can further serve as a basis for understanding the subsequent assessment of the impact of upper limb motor functional impairment on the quality

of life and self-sufficiency of patients with acquired brain injury. Since the ICF classification contains and objectively evaluates three important areas for occupational therapists, namely the aforementioned body functions, activities and participation, and very important environmental factors, it is a great benefit for occupational therapists in the future. Based on the output test results, we will have a better overview of various recommendations, compensatory aids, and therapy itself for individual clients with the same diagnosis but different degrees of impairment. The output of the work will be a comparison of the input and output values obtained from objective and subjective testing of individual subjects.