

## **ABSTRACT OF THE DIPLOMA THESIS**

**Name, Surname:** Bc. Ludmila Hysková

**Supervisor:** MUDr. Bc. Petra Sládková Ph.D.

**Title of the diploma thesis:** Importance of a Subjective Assessment of Patients' quality of Life after Acquired Brain Injury, WHODAS 2.0 Questionnaire

### **Abstract:**

The diploma thesis deals with the quality of life with people after acquired brain injury. Brain injury is a common cause of disability in the adult population. The aim of the thesis is to find out how the quality of life with people after acquired brain injury changes depending on the attendance of a day care centre. Furthermore, the aim is to determine if there is a correlation between subjective WHODAS 2.0 and objective FIM data.

The theoretical part describes the acquired brain injury, its types and consequences and the subsequent rehabilitation. It also focuses on the quality of life and the possibilities of its assessment using different tools. The WHODAS 2.0 questionnaire is introduced and its clinical use is described.

The practical part focuses on the methodology, objectives, hypotheses and research set. The research population consists of 21 patients who attended a rehabilitation day care centre for 4 weeks. The data is collected from the period of April 2022 to March 2023.

The results of the work show that the quality of life improved in two thirds of the patients by approximately 7% during the rehabilitation day care center. The average frequency of any subjectively perceived difficulties was similarly reduced. There was no association between the side of brain damage and improvement in specific domains. Furthermore, the correlation between the FIM instrument and the WHODAS 2.0 was examined and confirmed in the initial and final assessment of patients.

**Key words:** WHODAS 2.0, quality of life, health related quality of life, acquired brain injury, FIM