

## **ABSTRACT**

**Title:** Possibilities of Rehabilitation for Patients after Injury of the Flexor Tendons of the Hand from the Perspective of an Occupational Therapist

### **Abstract:**

The bachelor's thesis deals with the issue of rehabilitation options for patients who have suffered injuries to the flexor tendons in the hand. It serves as a summary of possible intervention of occupational therapists in patients with injured flexor apparatus. The work is divided into theoretical and practical part.

The theoretical part talks about the anatomy of the hand and flexor tendons and fine motor skills. The main part is devoted to the possibilities of rehabilitation, occupational therapy examination and therapy of patients suffering from this issue.

The practical part contains three case reports of patients with injured flexor apparatus. The Functional Independence Measure (FIM) was used to evaluate patient's independence in activities of daily living. The Jebsen-Taylor test was used to evaluate fine motor skills and functional use of the upper limbs in daily activities.

The aim of this thesis is to evaluate the effect of rehabilitation treatment on disability in patients after flexor tendon injuries in the hands using the Functional Measure of Independence (FIM) test and to evaluate fine motor skills using the Jebsen-Taylor test. The partial goal is to evaluate the effect of comprehensive rehabilitation in a selected group of patients after flexor tendon injuries in the hands using differences in the results of input and output FIM test and Jebsen-Taylor test. Another partial goal is to compile an occupational therapist's protocol that can be used during the examination of patients with injured flexor apparatus

### **Key words:**

hand rehabilitation, flexor tendons, occupational therapy, rehabilitation, fine motor skills