

## **Abstrakt**

**Title:** Use of dynamic splints for tendon injuries of the hand.

**Problem:** There is a lack of complex information on methods and procedures of dynamic splint production in the Czech Republic .

**Aim:** This thesis provides a complex overview of current possibilities in the area of tendon injury treatment. It also explores various procedures of production and application of dynamic splints.

**Methodology:** The thesis consists of two parts: theoretical and practical. The theoretical part contains a research. The practical one consists of appropriate dynamic and night splint designs and production procedures. Methods of qualitative research in terms of collection, and secondary data analysis of scientific articles are used.

**Keywords:** tendon injuries of the hand, surgery of the hand, damage to do nerves of the hand, dynamic splints, Daho-splints, splinting, orthotics, physiotherapy, occupational therapy