

## **Abstract**

**Title:** Case Study of Physiotherapy Treatment of Patient after reverse total shoulder arthroplasty

**Objectives:** The aim of this bachelor thesis is the theoretical elaboration of the issue of reverse total shoulder arthroplasty and creation of a case study of physiotherapeutic care of a patient after implantation of reverse total shoulder arthroplasty including the evaluation of the effect of the therapy.

**Methods:** The bachelor thesis is divided into two parts. The first is the general part, in which the theoretical treatment of the topic of reverse total shoulder arthroplasty is presented by means of a literature search. The second part is the special part, in which a case study of physiotherapeutic care of a patient after this procedure is presented. Thus, the second part contains the initial and final kinesiological examination, description of individual therapies, and finally the evaluation of the effect of the performed therapy.

**Results:** The performed therapies had a positive effect on the patient's condition, which was confirmed by comparison of data from the initial and final kinesiological examination. The active and passive range of motion in the joint was increased and the muscle strength of the upper limb muscles was also increased. Thanks to this, the effectiveness of the performed therapy can be demonstrated.

**Keywords:** shoulder joint, reverse total shoulder arthroplasty, physiotherapy, case study