

## **Abstract**

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**Title:** A case study of physiotherapy treatment of a patient after ALPPS for leiomyosarcoma.

**Aims:** This thesis aims to record physiotherapy care for the patient after undergoing ALPPS treatment for leiomyosarcoma, determination, management and recording of individual therapeutic units, and evaluation of their effect.

**Methods:** The thesis consist of a theoretical and practical part. The theoretical part consist of general information about the composition and physiology of the liver. Leiomyosarcoma and other liver diseases are also described. Lastly, the ALPPS method is mentioned. All information is cited from academic literature and other professional sources. The practical part contains a case report of a patient, who has undergone ALPPS treatment for leiomyosarcoma. It also contains the record of individual therapies, that have been performed based on a kinesiological analysis. The analysis has been done as a part of a physiotherapy intership at the Institute of clinical and experimental medicine in Prague from 18<sup>th</sup> January to 12<sup>th</sup> February 2021.

**Results:** The treatment and the effect of therapeutic care were significantly slowed down due to the division of the surgery into two stages. In general, the dysbalances of muscle strength and hypertonia have been corrected. The respiratory stereotype and overall condition of the patient have also improved.

**Keywords:** liver, ALPPS, tumor, physiotherapy

