

## **Abstract**

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**Title:** Case study of physiotherapy treatment of a patient after hemicolectomy and middle pancreatectomy

**Aims:** Aim of this bachelor thesis is to summarize theoretical information about hemicolectomy and middle pancreatectomy and to demonstrate possible physiotherapy treatment on a case study of a patient after the surgical approaches mentioned above.

**Methods:** Detailed research of theoretical background of oncological diseases of large intestine and pancreas, hemicolectomy, middle pancreatectomy and physiotherapy treatment after abdominal surgery was performed to process the general part of this bachelor thesis. The special part of this thesis consist of a case study of a patient after hemicolectomy and middle pancreatectomy, which originated from bachelor clinical practice at Institute of Clinical and Experimental Medicine in Prague, in the time period between 18. 1. 2021 and 12. 2. 2021. The case study includes anamnesis, entry kinesiological analysis, suggestion and goals of physiotherapy treatment, individual therapy sessions, output kinesiological analysis and an evaluation of effects of performed treatment.

**Results:** During therapy interventions general condition and muscle strength in a patient increased, breathing stereotype adjusted, soft tissues in the abdominal region were released, muscle hypertonus was lowered, joint play at cervical spine region was restored, body configuration while sitting and standing was adjusted and the deep stabilizing system of the trunk function was improved. Major improvement was seen in evaluation of activities of daily living by the Barthel index.

**Key words:** large intestine, physiotherapy, colorectal carcinoma, pancreatic carcinoma, laparotomy