

## **Abstract**

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**Title:** A case report of physiotherapy care of a patient diagnosed with congestive heart failure and implantation of HeartMate 3 LVAD

**Objectives:** The aim of this thesis is to theoretically process the information related to the diagnosis of heart failure and implantation of HeartMate III and to record the course of physiotherapeutic care of a patient with this diagnosis.

**Methods:** The case report of physiotherapeutic care of the selected patient was prepared during the concurrent professional practice at the Institute of Clinical and Experimental Medicine in Prague. The theoretical part is devoted to information and knowledge about the diagnosis of heart failure and implantation of HeartMate III. To write the special section, an anamnesis was first taken and an initial kinesiology examination was performed. Based on the examination, a short-term and long-term therapeutic plan was written. A total of 10 therapeutic units were performed with the patient. After comparing the initial and final examinations, the effect of therapy was evaluated.

**Results:** Physiotherapy care during 10 sessions contributed to the overall improvement of the patient's physical condition. The patient went from being highly dependent on others to being independent. There was also an overall improvement in pulmonary ventilation.

**Keywords:** physiotherapy, rehabilitation, case study, heart, heart failure, HeartMate III