

**Title:** Case study of the physiotherapy treatment of patient with MODS and Covid-19 in case history

### **Abstract**

This bachelor's thesis deals with the issue of acute and postacute physiotherapeutic care in patients hospitalized in the ICU.

The primary aim of the thesis was to conduct the specific case study and provide theoretical basis for diagnoses and physiotherapeutic interventions related to the given case study. Secondary objective was to briefly summarise the current available knowledge about Covid-19, post-Covid syndrome and highlight the importance of this issue in physiotherapeutic practice.

This report is divided into three main parts. The first two chapters are theoretical. They focus on detailed descriptions of selected diagnoses and possible therapeutic interventions. These include systemic inflammatory response syndrome, sepsis, septic shock, multiple organ dysfunction syndrome, acute respiratory distress syndrome and post-Covid syndrome. Within the physiotherapeutic approaches, selected methods of pulmonary rehabilitation, respiratory physiotherapy and current recommended rehabilitation procedures for patients with post-Covid syndrome are presented. The third part is practical and contains a specific case study of a patient with a history of multiorgan failure and Covid-19 disease. The case study was conducted from January 2021 at the Institute of Clinical and Experimental Medicine in Prague. The practical part contains the methodology of work, initial kinesiological examination, therapeutic units, final kinesiological analysis and evaluation of the effect of therapy.

**Keywords:** MODS, ARDS, post-Covid syndrome, pulmonary rehabilitation, respiratory physiotherapy.