

## **Abstract**

### **Title:**

Case study of physiotherapy treatment of a patient after an ischemic stroke

### **Aims:**

Goal of this thesis is to assemble a well arranged consolidation of theoretical and practical knowledge of strokes and at the same time to formulate a case study of a patient who suffered an ischemic stroke resulting in mild left-sided hemiparesis.

### **Summary:**

The first general section of this bachelor thesis includes detailed description of pathological process known as stroke. Author devotes himself to anatomical structures securing vascular supply of the brain, pathogenesis and etiology of this condition, different types of stroke and how these differ, manifest, are diagnosed and treated. Author also mentions risk factors and how to prevent the formation of stroke. At the end, fundamental physiotherapy principles of treating a stroke patient are summarized.

The second special part of this thesis includes case study of a patient who suffered an ischemic stroke. In this section, author presents results of the initial examination he performed, outlines therapeutic plan and records every therapy session with the patient. At the end, author showcases results of his final examination that will serve for an evaluation of effectiveness of chosen therapy. Documentation and data for creation of this section of thesis were acquired during practical education stay at the Oblastní nemocnice Kladno, a.s. between 26.1. – 22.2.2021.

### **Keywords:**

Stroke, hemiparesis, physical therapy, rehabilitation, physical therapy methods