

Work methodology:

This research project was approved by the Ethics Committee of the Faculty of Physical Education and Sport of Charles University under the registration number 068/2021.

Conclusion of the thesis:

This thesis is consisting of general and special part which the main goal of general part is to explain what is stroke, how to treat it and what are the symptoms while the goals for special part is initial and final kinesiological examinations and evaluations.

I worked with my patient with hemiparesis on the left side of the body which occurred on 18 January 2021 due to the heart fibrillation. My short-term goals were 1. Increasing range of motions 2. Stimulation of the weakened muscles 3. Strengthening of left lower extremity muscles 4. Improving of the gait 5. Improve breathing pattern 6. Increase stability. On the other hand, the long terms goals were 1. Increase overall fitness 2. Increase stability 3. Gait training 4. Improve muscle coordination 5. Restore and improve coordination and strength on left LE. During our therapy he responded well to the chosen therapies and showed general improvements however I could not provide the final evaluation because he was diagnosed to COVID 19 on 10th day of the therapy and he was removed from the neurology department.