

## **Abstract**

### **Title**

A case study on physical therapy treatment in patient with peripheral paralysis of the facial nerve.

### **Objectives**

The main goal of this thesis is a thorough overview on theoretical context concerning facial nerve, its anatomy, physiology and pathology focusing mostly on peripheral lesions of various etiologies. For the special part there is a goal to present a case report following physical therapy care on a real-life patient diagnosed with idiopathic peripheral lesion of the facial nerve.

### **Methods**

This thesis is divided into four main parts: theoretical part, special part, discussion and conclusion. Theoretical part presents an overview on the facial nerve – its anatomy, pathologies, etiology of peripheral lesions and physical therapy intervention options.

Special part is a case report on a patient with diagnosed Bell's palsy, that has been treated for 4 weeks. This part includes medical history, complex kinesiological assesment before therapy, report from 8 therapeutic sessions, complex kinesiological assesment after therapy, evaluation of therapeutic effect and prognosis. Discussion opens a few questions concerning physical therapy treatment for peripheral palsies as it is nowadays and other topics. Conclusion points out the main thoughts and findings and wraps up this thesis.

### **Results**

For the whole duration of therapeutic care there has been a positive trend in recovering lost function of the mimic muscles, although at the end of my intervencion there were still some deficits it is reasonable to expect a full recovery soon.

### **Keywords**

Peripheral palsy, facial nerve, Bell's palsy, idiopathic facial nerve palsy, physical therapy

