

Abstract

Title: The case study of physiotherapeutical treatment of patient after resection of the spinal tumor and fracture of malleolus.

Objectives: The aim of this thesis is to elaborate theoretical knowledge about a diagnosis of spinal tumors and develop of physiotherapy treatment schedule in the form of patient with this diagnosis and fracture of malleolus case study.

Methods: Bachelor thesis is divided into two parts – the general part and the special part. The general part contains theoretical knowledge about the disease, options of treatment and therapy. The special part includes case study of the patient after resection of the spinal tumor and fracture of malleolus, especially input, control and output kinesiology analysis, the goals of the therapy, a short-term and long-term therapy plan, therapy process and the evaluation and the effect of therapy. The case study was created during my internship in the Military University Hospital in Prague at the Department of Physical Medicine and Rehabilitation in the period from 8th of January to 2nd of February 2018.

Results: We managed to reach of the aims fixed in the short-term therapy plan. The patient's range of motion of shoulder and malleolus was magnified, weakness muscles were strengthened, reducing the swelling of the scar and ankle joint, adaption of the brainstem stereotype, hypertonic muscles were relaxed, and shortened muscles were stretched.

Keywords: spinal tumor, cervical spine, meningioma, ankle joint, fracture, physiotherapy, case study