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Title: Case Study of Physiotherapeutic Treatment of a Patient after Tibial Fracture

Objectives: The aim of this bachelor thesis is to offer a case report of a post-operative patient after tibial fracture, to characterize this disease and to describe current treatment and diagnostic options.

Methods: The theoretical part is based on the professional literature listed in the list of used literature and information sources. It contains current knowledge about tibial fracture treated with osteosintesis, etiology, clinical presentation, diagnosis, therapy options and subsequent rehabilitation. The practical part is based on information gained during continuous clinical practice at LRS Chvaly, from 6th January 2023 to 31st January 2023. The patient case report consists of anamnesis, initial examination, proposal of a short-term and long-term therapeutic plan, the therapy course, final examination and evaluation of the therapy effect.

Results: The result of the therapy is an overall improvement in the patient's condition in terms of the state of soft tissues, joint play, and range of motion. The effects also influenced patient's sensations of pain, tension, and itching.

Conclusions: The early initiation of physiotherapeutic care led to a significant overall improvement in the patient's condition. Continuing rehabilitation is essential for mitigating the consequences of this structural impairment.

Key words: tibial fracture, osteosintesis, surgery aproaches, rehabilitation, physiotherapy