

# BACHELOR'S THESIS ABSTRACT

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**Title of the thesis:**

The use of physiotherapy procedures in patients with compartment syndrome in the context of arterial closures

## **Abstract**

This thesis deals with physiotherapy methods used in the treatment of compartment syndrome. The first part describes the overview of the theoretical knowledge in anatomy, defines the basic concepts and finally deals with individual physiotherapy practices. The research is focused on comparing the Vojta method and proprioceptive neuromuscular facilitation in two patients with the diagnosis of compartment syndrome. One patient underwent therapy using proprioceptive neuromuscular facilitation, the second patient Vojta reflex locomotion, both in the range of five therapies in five consecutive days. When comparing the two patients achieved a significant improvement in muscle strength. The objectification of measuring muscle strength muscle test was used according to Janda. The measurements resulted in significant differences in comparing the efficiency of both methods.

**Key words:** Compartment syndrome, Physiotherapy, Vojta's method, PNF, M. tibialis anterior syndrome