## Abstract

This Bachelor's Thesis deals with the possibility of using nervous system mobilization when treating carpal tunnel syndrome within the physiotherapeutic intervention in terms of conservative treatment.

The theoretical part of the work concerns anatomical and kinesiological aspects of hand and wrist. It also describes nervus medianus, entrapment neuropathy and introduces the neurodynamics method.

The practical part focuses on application of this method in two patients, who suffer from carpal tunnel syndrome and who are subject to conservative treatment. The objective of the Thesis is to examine whether and how the symptoms change and if the articular range in active motion of wrist to flexion, extension and radial and ulnar duction will be influenced.

After the therapy, both patients proved change in sensation symptoms, and for one of them, articular range in wrist improved.



**Key words:**

mononeuropathy, nervus medianus, carpal tunnel syndrome, neurodynamics.