Abstract

This research bachelor thesis deals with the problem of cervicogenic somatosensory tinnitus with a focus on the effect of increased tension of the neck muscles. The theoretical part provides a brief anatomical description of the studied area in the context of the changes that occur there and lead to the development of tinnitus. It then elaborates on the diagnostic procedures and finally on the possibilities of intervention, which are within the competence of the physiotherapist. The practical part consists of case studies of two patients. The knowledge from the theoretical part was used to construct the examination and therapy that was then applied to these patients in order to verify the effect of manual therapy in tinnitus patients. A Visual Analogue Scale, the Tinnitus Handicap Inventory questionnaire and a goniometric examination assessing cervical spine range of motion were used for objectification. Patients' condition was assessed before and after the 10 week long therapy. The aim of the therapy was to relieve hypertonus in the neck region and subsequently reduce the intensity of tinnitus.