

This diploma thesis called „The impact of individual physiotherapy on stereognosis and somatognosis in patients with chronic back pain“ contains basic knowledge about stereognostic and somatognostic function, it summarizes significant information about pain and the development of its chronic form, and last but not least it states possible causes of back pain disorders and its functional factors. One special part of the thesis describes non-standardized tests used to examine 21 probands who had been diagnosed chronic back pain and particularly it compares the results of these two examinations, the first of which was carried out before the beginning of physiotherapy and the second one carried out after 14 days of physiotherapeutic treatment. The aim of this thesis was to evaluate the impact of physiotherapy on stereognosis and somatognosis of patients with chronic back pain.

All types of medical examination were tested without visual check. As a part of the medical examination a short form of McGill's questionnaire and a visual analogue scale indicating the intensity of pain were to be filled in by the probands to explicate their subjective feelings. The results of all but two tests improved after 14 days of physiotherapy, the therapy impact on function of stereognosis and somatognosis of patients with chronic back pain can be assessed as positive. The results of some of the tests showed a statistically significant difference.