

Abstract

The aim of this thesis was to evaluate the Vojta method therapy impact to the muscles function of the upper limbs of patients with tetraplegia. This is a pilot study, which was attended by five probands. To objectify the results, the method of surface electromyography was adopted. EMG activity of 14 muscles of the upper limbs and shoulder girdle during selected movements before and after therapy was recorded. The choice of therapeutic positions and activation zones was individual. Although a few muscles show significant changes, statistically considerable influence of the therapy cannot be confirmed from the obtained results. But from the point of view of clinical observation and patients' subjective feelings an obvious difference can be seen. Therefore, it may be in the future advantageous to monitor the impact of Vojta method to locomotor system through clinical methods such as functional tests, tests of independence, range of motion or kinematic analysis.