ABSTRACT:

This bachelor thesis is focused on a painful hemiparetic shoulder as a frequently observed complication in patients suffering from stroke. Basic information about stroke, anatomy and kinematics of shoulder joint is included in a theoretical part of the thesis. The largest portion describes a pathogenesis of painful hemiparetic shoulder, its prevention and commonly used physiotherapeutic approaches. The practical part of the thesis consists of two case reports of patients with stroke suffering from painful hemiparetic shoulder. In both cases, a combination of physiotherapeutic approaches applied in ten cycles over a period of 4 to 6 weeks was used. To prove an effectiveness of the therapy, I used kinesiological assessment as well as a faces pain scale for an evaluation of shoulder pain. To assess a mobility of the shoulder, I used a goniometry and functional tests for upper limb. Results of the therapy are described in a discussion part of the thesis and indicate that the combination of physiotherapeutic approaches may decrease pain as well as improve the mobility of affected shoulder. These results should be confirmed in a larger patient population.

Key words:
stroke, hemiparesis, shoulder, pain, physiotherapy