

Dissertation „Variability of Somatesthesis in Students of Physiotherapy “ deals with somatosensorical system in its theoretical part. In the practical part, sets of tests - aimed at somatesthesis function testing – are described. These tests are easy to implement and could be objectified. This pilot study was performed on a set of 29 Subjects aged 24 - 30. Selection criteria were set to physiotherapy studies and good health condition. The research ran on FN Motol physiotherapy clinics and lasted from October 2007 until January 2008. Measurements were repeated four times (in random day time), while the interval between examinations were randomly selected 1-12 days. The methodical part closely describes measurement procedures and performance of each test. The first aim of this dissertation was to create a set of examination tests, concentrated on somatesthesis functions, which could be objectively measured. Further we set a target to find out, if sensomotorical learning effect appears by repeated measurement of same Subject and if quality of somatesthesis functions anyhow changes depending on internal environment status.