

The diploma thesis "The influence of chronic ankle instability on postural stability of standing position and gait" deals with the theme of the chronic ankle instability and its role in gait and maintaining the postural stability. In the theoretical part is summarised basic kinesiology of the ankle joint and gait analysis, which is especially focused on muscles cooperation and movements in ankle joint. Furthermore, there is gathered knowledge about chronic ankle instability etiology. In the research part were twenty active sportsmen chosen and were divided into two groups. The first group included ten subjects with chronic ankle instability. The second group included ten subjects as a control. The aim of this research was to evaluate the relation between chronic ankle instability and subject's movement in the ground, its gait cycle and the loading responses of the lower legs. For the measurement and the objectivisation of chosen parameters were used specific tasks on stabilometric platform the Balance Master® System and the FDM platform®. We suggested significant differences between the two groups.