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Abstract:

This bachelor's thesis is focused on use of visual feedback with stabilometric platform for therapy of patients after the brain injury. Theoretical part of this thesis includes basic facts about the brain injury, shows therapeutic methods with use of modern methods as visual feedback is. In practical part are processed two protocols, described the therapy and evaluated use of standardized tests Timed Up and Go test and Berg Balance Scale together with the reference exercise on the stabilometric platform. There were two women patients chosen for this therapy, both former KRL 1. LF UK clients. At the end of this work, we evaluate and comment this type of therapy which was practically examined.

Key words: stabilometric platform, Nintendo Wii Balance Board, postural stability, visual feedback, virtual reality