

Title of bachelor thesis: Utilization of standardized tests in traumatology from physiotherapist point of view

Abstract:

This bachelor thesis brings a complete overview and comparison of standardized tests for lower extremities in patients after trauma of lower extremities. The thesis is divided into theoretical and practical part. The theoretical part describes the classification of injuries, general characteristics of standardized tests and standardized tests for lower extremities. The practical part consists of mutual comparing tests for evaluation of lower extremities, that could be used in a patient after trauma of lower extremities in terms of basic characteristics and parameters. Simultaneously three case studies are performed, where self-sufficiency has been evaluated using selected tests: Barthel Index and Modified Rivermead Index of Mobility and evaluation of functional lower extremity assessment using selected tests: Berg Balance Scale, Harris hip score, Oxford hip score, Oxford knee score, 2 minute walk test and Foot and ankle disability index. The testing was demonstrated at the beginning and end of the rehabilitation program with one-week distance. The results were evaluated and then compared.

Key words: lower extremity, standardized tests, traumatology, measurement properties