

**Title of bachelor thesis:**

Comparison of standardized gait evaluation tests for post-stroke patients from physiotherapy point of view

**Abstract:**

This bachelor thesis deals with a comparison of standardized gait evaluation tests for post-stroke patients. The thesis consists of theoretical and practical part. The theoretical part is focused on stroke, walking in general, characteristics of hemiparetic gait, standardization and standardized tests. The practical part provides the comparison of standardized gait evaluation tests for post-stroke patients from the viewpoint of essential characteristics and qualitative point of view. This part also contains case reports of two patients, in which the gait was evaluated using the selected standardized tests (10 Meter Walk Test, 2 Minute Walk Test, Timed Up and Go, Dynamic Gait Index) and one non-standardized test (Emory Functional Ambulation Profile). These tests were performed at the beginning and at the end of the therapy. Their results were subsequently evaluated and compared. The interpretation of the results in the context of measurement errors, minimal detectable changes and values describing the improvement or deterioration of patient's condition is emphasized in this bachelor thesis.

**Key words:** gait, gait assessment, standardized tests, stroke, measurement properties, comparison