

## **Abstract**

**Title:** Possibilities of functional Evaluation of Patients after acute cerebral Palsy in Czech Republic

**Objectives:** The main objective of this study was to describe the problems of functional assessment of patients after stroke. Another objective was to determine and compare the properties of the most commonly used functional measures designed for stroke, in our country.

**Methods:** This work is theoretical - research work, which is the theoretical part of the period from September 2012 to June 2013 when retrieving data from literature sources using advanced targeted keywords and their hotkey in databases based on EBM. The practical part of the study consisted of a questionnaire, which was using the questionnaire survey gathered data needed to evaluate the clinical utility, in the period from May 2013 to July 2013. After obtaining the necessary data from both theoretical and practical part of this data was evaluated and analyzed according to the standard methodology for the evaluation of functional measures for spinal patients (Chapman, J.R. et al, 2007) and the results of the individual measures were mutually compared.

**Results:** In the theoretical part of the available resources found high objectivity of the free evaluated measures, the measure Barthel Index and the Functional independence measure received the highest score possible and measure the modified Rankin scale had minor deficiencies. In the practical part we were able to evaluate the data obtained confirm both pre-specified hypothesis, and that the more detailed and more large measures is, thus reducing its clinical utility, intended clinician and patient friendliness.

**Key words:** Stroke, functional measurement, evaluation, Barthel Index, modified Rankin scale, Functional independence measure