

Abstract:

The subject of this Bachelor's dissertation is current physiotherapy approaches to the spasticity. The issue and therapy of spasticity is described in the theoretical section, which gives the summary of measurements, physiotherapy approaches and also the mechanism of beginning spasticity. Further chapters mention complications of spasticity and chances of therapy, which are recommended according to the current knowledge in medicine and clinical research, called evidence based medicine. The dissertation leads to the problematic of upper extremity affected by spasticity. The theoretical section presents the Fugl-Meyer assessment of motor performance (FMA), specialized on upper extremity. The practical section is based on application of FMA for upper extremity by 4 patients with upper motor neuron lesion and the signs of upper extremity spasticity. The main purpose of this dissertation is to find out the reliability of FMA setting on functional use on affected arm in patients with upper extremity spasticity.

Key words:

Spasticity, Fugl-Meyer assessment of motor performance, physiotherapy and spasticity, neural plasticity, muscle tone, evidence based medicine, upper extremity (spasticity of upper extremity), upper motoneuron syndrome