

The main aim of this bachelor's thesis is to describe the problematics of contractures forming with emphasis on the most common contractures on upper limbs. The processes to prevent the contractures are also described. The secondary objective of this work is to raise knowledge of my colleagues working and studying in the field of occupational therapy. In my work I wanted to describe the problematics of forming contractures, with placing emphasis on most common contractures on upper limbs and on processes preventing the contractures as well. For the correct evaluation of spasticity influence on contractures creation it is necessary to have its description of and also possibilities of its treatment. Main focus is given to botulotoxin therapy, its composition, indication and counter-indication of treatment, pharmaceuticals currently available on the market and its applications.

Practical part with picture section describes possibilities of occupational therapy on three subjects on Department of Rehabilitation Medicine in Prague who had suffered brain damage and are currently on botulotoxin treatment. Just from this small sample the results seem to indicate, that one of the most important factors of treatment is patient's motivation; knowledge of treatment and family interest. Therapy of botulotoxin is effective for improving the mobility of handicapped limb, but can be only really beneficial with patients initiative and cooperation with therapist. Otherwise the whole effect of this expensive treatment becomes only improvement of the look of the handicapped limb.