

Abstract

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Title: Case study of physiotherapeutic treatment of a patient with spastic quadriplegia and condition after subarachnoid hemorrhage

Objectives: The aim of this bachelor's thesis was to summarize theoretical knowledge about diagnosis of spastic paresis, issues associated with it and present practical case study of physiotherapeutic treatment of a patient with spastic quadriplegia and condition after subarachnoid hemorrhage.

Methods: This thesis is divided into theoretical and special part. Under the theoretical part are described characteristics of the diagnosis, its epidemiology, etiopathogenesis, clinical picture, possibilities of therapy and treatment, complications associated with spastic paresis, physiotherapeutic care, physical therapy and effect of chosen therapeutic interventions and methods.

Special part includes case study of a patient with spastic quadriplegia and condition after subarachnoid hemorrhage. It includes anamnesis, detailed initial kinesiological analysis, short-term and long-term therapeutic plan, record of therapeutic units, outcome kinesiological analysis and evaluation of the effect of therapy.

Results: During therapeutic units has been achieved improvement of self-sufficiency of the patient, his general ability to move, gait stereotype, level of spasticity has been decreased and there was an increase of range of passive and active motion. Subjectively, according to patient, has been achieved improvement similar to patient's condition before traumatic subarachnoid hemorrhage and hospitalization.

Keywords: spastic paresis, physiotherapy, subarachnoid hemorrhage, spasticity, physiotherapeutic interventions and methods