BACHELOR THESIS ABSTRACT

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Title: Analysis of ergonomic sitting position and design of ergonomic seat for hemiparetic patients

Abstract:
This bachelor thesis deals with sitting ergonomics and summarizes basic parameters of ergonomic chair, which are created for patients with hemiparesis. The bachelor thesis is divided into theoretical and practical part.
In the theoretical part is described in detail the vascular supply of the brain, vascular disease, stroke and its clinical images. Furthermore, the concept of ergonomics is explained and the ergonomics of sitting are taken into account. The parameters for the ergonomic chair are based on the THERAPIA chair, so it is introduced in the theoretical part.
In the practical part are processed two case reports of hemiparetic patients, which describe their sedation.
The aim of this work is to create basic parameters of ergonomic chair for hemiparetic patients, which are based on studied ergonomics of the sitting and from the examination performed in patients.

Key words: ergonomics, sitting position, stroke, chair