ABSTRACT OF BACHELOR THESIS

Title of bachelor thesis: Using progressive splints in cases of spastic paresis of upper extremity

The bachelor thesis is focused on usage of progressive splints in cases of spastic paresis of upper extremity. It is quite a new method in curing of spastic paresis, which try to prevent shortening muscles and others structures. The text is divided into two parts: theoretical and practical.

The theoretical part is to clarify the terminology regarding spastic paresis, its basic characteristics and types, clinical symptoms and brief survey of cure of the symptoms. The theoretical part follows with differences between splints and orthosis and more detailed description of progressive splints, which are used in cases of spastic paresis for prolonged static stretching. This part contains types of progressive splints, their usage, and how to work with them.

In practical part the comparison of usage of this kind of splints and therapy of upper extremity. The aim of practical part was to summarize information about progressive splints and their using. For this purpose an instruction book was put together and it is as an appendix of the thesis. The book offers the instructions for usage progressive splints, and includes author’s genuine photos, types of splints, their usage, components, size and details how to apply orthosis. In practical part the situation of using progressive splints in Prague and in Stockholm is compared.

Key words: progressive splints, spastic paresis, splints, cure of spastic paresis, static progressive stretching, orthosis