

ABSTRACT OF BACHELOR'S THESIS

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Title of bachelor's thesis: The Use of Orthosis at Patients Suffering from Spastic Dystonia

Abstract of bachelor's thesis:

The theme of this bachelor's thesis is the use of orthosis at patients suffering from spastic dystonia. The thesis consists of the theoretical and practical part. The most common causes of spastic dystonia are mentioned in the theoretical part. The key chapters of the thesis are Spastic Dystonia and Treatment. In the last chapter of the theoretical part, which deals with orthotics, its particular types and their functional use are described. The practical part of the thesis is compiled with regard to doing research based on foreign studies. Orthosis are specified on the basis of the static and dynamic use. Relevant studies were analysed and based on their results it may be said that static orthosis are not significant for their use. The application of dynamic orthosis is debatable, because in some studies their positive effect on spasticity was proved, while in others it was disproved. For lack of valid literature, in which the effect would be definitely proved or disproved, it is necessary to do some more research. The purpose of this thesis was to gather and unify knowledge related to these complicated issues.

Key words: stroke, orthotics (orthosis), spasticity, brain damage, positioning