

Abstract

Title: Technical and practical characteristics of peroneal AFO braces.

Objectives: The main objective of this thesis is to gain theoretical knowledge about the peroneal AFO braces and to monitor the range of products on Czech as well as foreign market, which can help the patients after stroke and peripheral paresis of nervous peroneus make their lives easier.

Methods: I used the method of systematic research in my thesis. I based my thesis on available Czech and foreign literature, electronic resources and materials obtained in prosthetic companies, mostly in the form of personal consultations.

Results: The thesis provides a comprehensive overview of peroneal AFO braces and selected diseases which have permanent consequences for patients, in the form of lower limb paralysis. The thesis deals with the difficult problem of choosing specific types of braces for given diagnoses, especially according to materials and used components. The thesis can be beneficial both for students majoring in Orthotist-Prosthetist and for all specialists engaged in resolving foot-drop consequences.

Keywords: ankle, foot-drop, stroke, nervous peroneus, orthotics, peroneal brace