

Abstract

Title: Case study of ortho-prosthetic care of a patient with the diagnosis of transtibial amputation

Objectives: The main goal of this bachelor's thesis is to process a case report of a patient with a detailed description of the production and application of a prosthetic device. Another goal is to process basic theoretical knowledge about anatomy, amputations and prosthetics of the lower limbs with a focus on transtibial prostheses.

Methods: The bachelor's thesis is divided into a theoretical and a practical part. The theoretical part summarizes basic knowledge regarding anatomy, amputations and transtibial prosthetics of the lower limbs. The practical part contains a case study of a diabetic patient with the diagnosis of lower leg amputation, which consists of a description of their medical history, measurement taking and the process of manufacturing a prosthetic device.

Results: The case report was prepared as part of my professional training at Protetika s.r.o. The result of the work is the creation of a new prosthetic device that will help the patient in his daily life and improve it.

Keywords: amputation, prosthesis, transtibial, case report