

Abstract

Title: Production transtibial prosthesis TSB using a liner and vacuum system in patients with diabetes.

Target work: My work consists of a general part which provides a brief overview of each step of treatment after the surgery, rehabilitation and prosthetic diabetic patient with transtibial amputation. In a special section describes the different types of stubs sockets, and their difference the attachment to stump for determining the type of administrative stub beds for diabetic patients with transtibial amputation. I describe the various types of liners and vacuum system. Finally, I describe the production of the TSB prosthesis.

Methods: My work is theoretical studies to analysis and subsequent synthesis of current knowledge to solving issues. In my work, I relied on the findings of expert seminars, as well as the method I use an informal chat with an expert prosthetic individual companies and the available literature.

Result: Stub socket with a one-way valve is a suitable alternative for amputees with diabetes and provides perfect comfort. Prevents the formation of calluses

Keywords: transtibial prosthesis stubs sockets, Lower thigh prosthesis, vacuum systém, TSB, production transtibial protesís, liner.