

## **Abstract**

- Title:** Case study of orthotic-prosthetic care for a patient with a diagnosis of pes equinovarus congenitus and below knee amputation
- Objectives:** The aim of the thesis is to theoretically study and describe the issues of the orthopedic defect pes equinovarus congenitus, amputations and prosthetic options with a focus on below knee amputations and, based on this knowledge, to proces a patient case study and describe in detail the process of manufacturing prosthetic equipment for solving below knee amputation.
- Methods:** The thesis consists of two main parts, namely theoretical and practical. The theoretical part contains information about the orthopedic defect pes equinovarus congenitus, about amputations and introduces the field of orthotics-prosthetics with a more detailed description of the subfield of prosthetics. The practical part contains the case study of a patient with a diagnosis of the below knee amputation due to uncorrectable pes equinovarus congenitus with a detailed description of the process of manufacturing prosthetic equipment for this patient.
- Results:** The result of the thesis is a new definitive prosthesis for a very active patient. This prosthesis contributed to increasing the patient's activity and enabling her to perform non-standard demanding activities, which significantly contributed to improving the patient's quality of life.
- Keywords:** amputation, pes equinovarus congenitus, prosthetics, case study, prosthesis