

Abstract:

Thesis title: Application of gait training to cross-country skiing for unilateral above-knee amputee

Main objective of thesis: The integration of people with unilateral above-knee amputation into society with gait training and application to cross-country skiing.

Tasks of thesis:

- 1) The medical history of the amputee
- 2) Gait training for amputee with C-Leg component
- 3) Application of gait training to our methodology of cross-country skiing for unilateral above-knee amputee and implement this methodology to practical training.

Metod of thesis: The basic approach of qualitative research in our thesis is a case study of gait training and cross-country skiing for unilateral above-knee amputee.

Results of thesis: Overall evaluation shows the efficiency of connection of gait training with training og cross-country skiing for unilateral above-knee amputee. We took the history of amputee, delt with gait training according to our basic methodological elements and then we applied this methodology.

Key words: Prosthetics - C-Leg component - Gait training - Cross-country skiing for unilateral above-knee amputee