

## ABSTRACT

**TITLE:** The options of prosthetic equipment for people with unilateral transfemoral amputation and its impact on their physical capability

**OBJECTIVES:** The aim of the work is to evaluate the effect of the used components of the prosthesis on the activity level of adults with unilateral transfemoral amputation, which are currently available on the domestic market covered by health insurance with deductibles.

**METHODS:** The basis of the analytical part is literary research and data collection of technical data sheets. The second part of the work is qualitative research and contains case studies of five probands. The research group consisted of 5 persons with unilateral transfemoral amputation aged 49–78 years. Unstructured interview and observation methods were used for data collection.

**RESULTS:** The result of the work is a summary of information related to the assembly of different types of TF prostheses for adults and evaluation of the relation between the level of technology used and the quality of the user's life.

**KEY WORD:** unilateral transfemoral amputation, transfemoral prosthesis, physical capability, rehabilitation, prosthetic knee joint, prosthetic foot