

RESTRICTED

ABSTRACT

1. War is one of the miserable aspects in the world, where it has created many ironic memories in the lives of people those who are the victims of it. The world has come across two world wars so far and some people are still suffering due to the impacts of those wars. The wars were not ended up with the world war, but carried forward as civil wars where people has developed based on varieties of reasons. In that, Sri Lanka is also one of the victims of a prolonged conflict in the country which has suffered for three decades and made lot of hard memories in the citizens across the country.

2. Amongst the victims, there are several categories. The soldiers those who are amputees is one of the major categories that suffered a lot due to the war followed by their family members. Some of them suffered for decades where some are suffered for four to five years, but somehow facing many physical and psychological barriers in their day to day lives.

3. Hence, the study is focusing on the amputee soldiers, those who lost their lower limbs due to war and now make themselves adopted to prosthetics and move forward their lives. There are two main types of prosthetics given to the army personnel; locally manufactured prosthetic and an imported prosthetic called Ottobock (which is the most distributed imported prosthetic to the amputees), where both has its pros and cons. Therefore, the study is trying to understand the most satisfied prosthetic by the officers in terms of functionality and enables to maintain their quality of lives.

4. This paper therefore gives an overview on the research topic firstly and then focused the literature relating to the area it is focusing. Conceptual framework to base the study and operationalization was developed based on the literature gathered. With the use of the operationalization, researcher developed a questionnaire and distributed among the sample for the investigation of the problem. The data gathered through the questionnaire was analyzed to identify the set objectives and also used for hypothesis testing. The findings show that Ottobock prosthetic performs well in both functionality of life and quality of life and at the end of the study recommendations were also provided for the further improvements of the prosthetics.

Keywords: *Prosthetics, Unilateral Lower Limb Amputee Soldiers*