E-Poster

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The Occurrence of Inappropriate Prosthesis Procedurs by a Non-Profit Provider for Patient With Right Above Knee Amputation: A Focus on Unfit Prosthetic Problem

Topic: Prosthetics and Orthotics

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BACKGROUND

Prosthetic aim to improve overall mobility by providing better gait performance, greater efficiency, and safety. Inappropriate prosthesis could negatively affect quality of life, prosthesis use, and activity level. The amputee population in developing countries still lacks access to proper prosthetic care and affordable devices. Another challenge is the lack of continued maintenance and rehabilitation after an amputee has received a prosthetic device.

CASE DESCRIPTION

A 31 years old man with post right above knee amputation ec crush injury referred for having leg prosthesis. Based on the examination results. The patient received prosthesis from non-profit provider in September 2024, but there was a incompatibility between the prosthesis and the stump due to the absence of a checkout process by the non-profit provider after the patient receives the prosthesis. This causes an abducted gait, circumduction, and pelvic elevation while walking, which results in pain and fatigue. The gait deviation is caused by an unfitting socket and a prosthesis is too long.

DISCUSSION

Prosthetic devices, new or donated, must be personally fit to each amputee for comfort and ease of use. The lack of available personnel and provider affects the ability to properly fit amputees and repair the prostheses. The supply of prosthetic devices for developing areas, whether locally made or donated from a western nation, is not effective. Lengthy distances to the clinic affect initial treatment of being fitted and taught how to use a prosthetic device. In order to use the prosthesis for the whole day, it is important that the prosthesis fits the patient well and the residual limb is painfree. If the prosthesis does not fit well, walking is difficult, the risk of falling is increased, energy consumption is increased and quality of life is reduced.

CONCLUSION

Wearing a prosthesis that does not fit correctly lead to complications that adversely affect the activity level of people with amputation. The procedure for making prostheses must be carried with established standards. A number of nonprofits train locals with the skills necessary to fit prostheses for patients with amputations.

Statement of Disclosures

None

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