Investigation of the effect of Pixformance on the upper limb in a patient after Mamma-Ca

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Abstract

Pixformance is a computer-based program that films the person to be trained and at the same time corrects the movements. It is employed in the context of Breast cancer. In fact various studies were conducted on the effectiveness of the program. The research objective of the empirical study "investigation on the effect of Pixformance on the upper extremity at a patient after Mamma-Ca" is to find out whether the basic values such as strength, mobility, balance and general health improve after a patient has been treated by the training tool Pixformance. The study is a single-case study, which lasts eleven weeks.

The patient is trained with Pixformance three times a week. The measurements with the device are made in the 1st, 4th, 7th and 10th week. In weeks 0, 11, and 14 the basic values are collected. After three weeks a follow-up measurement is conducted. In order to determine general health the FS 12 question-naire is used. The study finds that the measurements of mobility, especially the values for the flexion, 20° and abduction by 15° are improved. In the values of the force test the muscles M. deltoideus and M. pectoralis have respectively improved from three to four. The equilibrium was measured in monopod. Both legs have improved by 4 - 4.5 sec. General health has also increased.

Would you like to read the entire study?

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