

Pairing patients with common characteristics for increasing responsiveness to rehabilitation

Dr. Shanny Gur

Meir Medical Center

Introduction

After an acute medical event, one of the fundamental challenges is persistence in ongoing treatment and rehabilitation.

Failure to persist in rehabilitation, such as performing physical therapy exercises, taking medication or maintaining a diet, may lead to repeated acute events, a decline in general health and even death.

Therefore, there is a need to invest an organizational effort to increase responsiveness to ongoing treatment after an acute event.

Goals and objectives

The purpose of the PALME platform is to increase patient compliance to the rehabilitation procedure and improve clinical and subjective results by connecting patients with similar profiles. The profiles are created based on demographic characteristics, the medical file and subjective characteristics such as preferences, lifestyle and goals. Pairing similar patients improves engagement levels of treatments, and provides support, a sense of identification and a long-term commitment to the therapeutic process.

Method

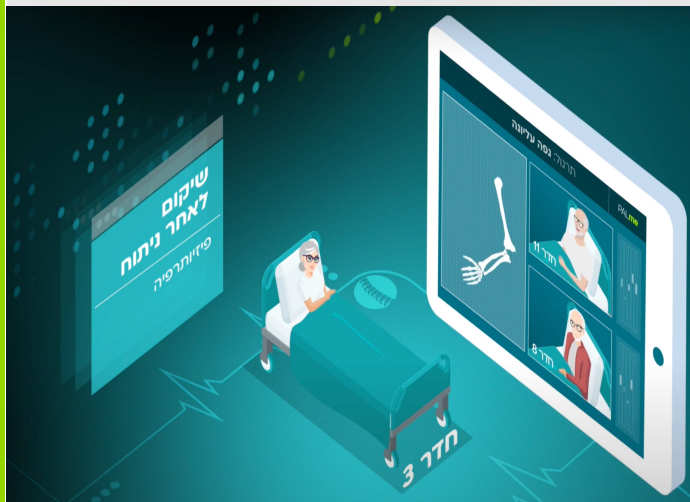
These days, the awareness to hip fracture surgery patients is increasing. Upon arrival at the department, the patients fill out a questionnaire regarding their personality, goals and preferences.

Subjective patient information is combined with data from the medical file and the demographic characteristics, and a dedicated algorithm provides a recommendation for pairing with similar patients.

Each patient receives equipment so that he or she can see and communicate with patients online. In this way, the patients can watch and practice together via instructional videos showing physical therapy exercises personalized for them.

Data about the clinical results (such as lying complications, length of hospitalization) as well as subjective data (such as satisfaction, pain sensation and general feeling) is collected and analyzed. Results are compared to the situation in the department before the intervention.

Figures: Description



Results

We expect an improvement in the clinical and subjective indices following the intervention.

Discussion

Medicine in the 21st century strives to be proactive and personal. On PALME platform, patients themselves become significant partners, with personal and group responsibility, for achieving rehabilitation goals. The platform integrates proactive medicine within the rehabilitation process, as well as personal and, in addition, human medicine.