

Abstract

Stroke is a clinical syndrome characterized by acute attack that result in paralysis of one side of the body persistently. After suffering a stroke, some patients have distrupction in the motor area. This causes difficulties in movement.

Rehabilitation is one of the most important recovery stages for people with stroke. Rehabilitation aims to build strength, ability and confidence in post-stroke patients. In following the rehabilitation, the patient will be given a referral by the doctor to follow a series of excercises in restoring the function of the existing paralysis.

To help post-stroke patients to improve their motions memory, REHAPS is designed to help patients perform a series of physical excercises independently at home. With this hopefully patient can be motivated to do physical excecise at home. The program has sensors that can read user movement, using Kinect technology.

Keywords: Post-Stroke, Kinect, Rehabilitation