

Efficacy of Mahboob Rehab Gloves

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Received: June 23, 2022; **Published:** June 29, 2022

Objectives of the Study

Mahboob Rehab Gloves is an orthotic device. It is an externally applied gadget that is designed and filled to the paralyzed hand to achieve the following goals:

1. Control biomechanical alignment
2. Correct or accommodate disability
3. Assist rehabilitation and functional restoration
4. To enhance reeducation that is empowerment of coordination between the body and brain.

Discussion

There are different types of orthotic available in the market. But none of them specifically designed for functional movements of paralyzed limb of stroke patients for long term home use. The orthotic device which is in practice is called wrist hand orthotic (WHO). It keeps the hand in straight position to prevent flexion deformity of wrist and fringes. The patient sometime doesn't feel comfort as it is static and non-aesthetic device. To fill this gap we introduce the first of its kind orthotic device, gloves. That can prevent deformity and improve functional movement of paralyzed hand stroke patient with a few numbers of patients who have practices so far reveals that it also improved the re-education process and developing body and brain co-ordination. This gloves which is named as "Mahboob Rehab Gloves" by the author name. the simple rubber gloves due to elastic perspective elastic force facilitate hand movement of the paralyzed limb. Generally, stroke patients have flexion contractures in the fingers of paralyzed hand so this glove will help in extending the finger through elastic recoil of the gloves.

Mahboob Rehab Gloves is a cost effective tool that can bring tremendous changes in upper limb function of stroke patients. It can be made from locally available material and thus can be marketed on large scale.

There will be two type of this glove:

1. Type 1: For acute and sub-acute patients.
2. Type 2: Will be for chronic patients to adjust it according to the spasticity of the limb.

Volume 5 Issue 7 July 2022

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