

APP FOR MOBILE PHONE (APP) FOR MCARDLE AND OTHER RARE GLUCOGENOSIS

A research group from CIBER, La Fundación Hospital Universitario Vall D'Hebron – Institut de Recerca, Universidad Europea de Madrid and Universidad Pablo de Olavide have developed an app for McArdle disease and other muscle glucogenosis follow-up

The Need

McArdle is a severe form of glycogen storage disease characterized by exercise intolerance. Onset occurs in childhood. Treatment is based on controlled physical training in order to develop mitochondrial oxidation capacities in muscles and programmed glucose intake. However, there's a low adherence to the treatment because the difficulty of the continuous follow-up.

The Solution

An applicative for mobile phone (App) for patients with McArdle disease and other ultrarare muscle glucogenosis, with items that facilitate the autonomous follow-up by the patient.

Innovative Aspects

- ✓ The app promotes the autonomous follow-up of the patients, without the need of continuous medical visits.
- ✓ The app controls the main aspects of the disease: reminders, register number of steps per day, reduce painful episodes, register the number of myoglobinuria episodes, register cardiac frequency, etc.
- ✓ The data registered in the app could be trespassed to an European register (EUROMAC), allowing a longitudinal follow-up of clinical and physiological parameters of the patients.

Stage of Development:

Software registered in SafeCreative.



mov2improv

Mobile application for the personalized follow-up and evaluation of patients with McArdle Disease

Intellectual Property:

- Software registered: January 27th 2023.

Contact details