

Reuth Rehabilitation Hospital - BioXtreme Joint Clinical Trial Research Project

Reuth Rehabilitation Hospital and BioXtreme are proud to announce that they have agreed to conduct a joint clinical trial research project in the hospital's facility in Tel-Aviv, Israel.

BioXtreme has developed a ground-breaking robotic device for motor-learning, based on innovative error enhancement technology for upper limb rehabilitation from stroke and other neurological injuries. Reuth is one of the biggest rehabilitation hospitals in Israel with a cutting-edge R&D department.

The research project will focus on the effect of BioXtreme's Error Enhancement technology on stroke inpatients, in the sub-acute phase, at least 3 weeks post stroke. The research will focus on the clinical and kinematic effects of treatment using the company's robotic device, deXtreme™, in the hospital's facilities.

The research will be supervised by Reuth R&D department, headed by Dr. Michael Brik With Dr. Rami Mansur as principal investigator. All research procedures will be performed according to the instructions of the Belgium Ministry of Health regarding clinical trials and following Helsinki's ethical protocol. The Research is planned to include 49 stroke patients in total. Expected start date is September 2021, estimated completion of the research by September-October 2022.

About Reuth:

Reuth Rehabilitation Hospital Tel Aviv is a university public hospital, affiliated fully with the Faculty of Medicine at the Tel Aviv University, and owned by the Reuth Foundation which is one of the most veteran foundations in Israel. The hospital provides services in the field of rehabilitation and geriatrics and is the largest of its type in Israel. The hospital has 12 departments in which there are 360 hospital beds and a range of clinics and institutes. The unique combination of the fields of rehabilitation and geriatrics at the hospital enables complete treatment under one roof for the most complex and serious patients. The hospital has an arrangement with all the HMOs, National Insurance, the IDF and the Rehabilitation Division of the Ministry of Defence and the insurance companies.

<https://www.reuth-mc.org.il/en/>

About BioXtreme:

BioXtreme Rehabilitation Robotics is instilling new dexterity for stroke and other neuro injuries patients. Using a patent-protected groundbreaking Error Enhancement technology, BioXtreme has developed a robotic system that helps with upper limb motor rehabilitation. Our product, deXtreme™ performs automatic rebuild of motion range and capability through adaptive/intuitive learning. Based on unique robotic system that applies Error Enforcement forces, BioXtreme technology helps reprogramming the mind for extreme performance.

www.bio-xtreme.com