Restorative Therapies, Inc., Today Announced FDA Clearance for the New Xcite Functional Electrical Stimulation (FES) System

Restorative Therapies, Inc., advances its new era in physical therapy systems for neurological injury and paralysis with FDA 510(k) marketing clearance of the company’s new Xcite Functional Electrical Stimulation (FES) rehabilitation system.

Baltimore, MD (PRWEB) January 18, 2017 -- Restorative Therapies is the designer of medical devices providing clinic and in-home restoration therapy. Xcite is the next in the series of FES powered physical therapy systems that started with the company’s hugely successful RT300 FES cycle.

FES is a physical therapy rehabilitation modality used to evoke functional movements and exercise not otherwise possible for individuals with a neurological impairment such as a spinal cord injury, stroke, multiple sclerosis or cerebral palsy.

FDA 510(k) marketing clearance allows Restorative Therapies to commence marketing Xcite in the USA.

The new Xcite FES system delivers up to 12 channels of electrical stimulation to nerves which activate core, leg and arm muscles. Easy to use sequenced stimulation evokes functional movement enabling a patient’s paralyzed or weak muscles to move through dynamic movement patterns.

“Xcite is a physical therapy system which provides a library of coordinated multichannel FES therapies for people with neurological impairments,” said Prof. David Ditor of Brock University, in Ontario, Canada, “After being involved in the development trials we are excited to see the system obtain FDA clearance in addition to the existing CE mark, Canadian and Australian approvals making the system more widely available.”

"Xcite is the first truly practical FES rehabilitation system of this kind that I have seen. In addition to combining several valuable neuro-rehabilitation interventions, functional electrical stimulation, mass practice and neuromuscular re-education, Xcite is portable and easy enough to use that it could be used in the patient’s home,” said Prof. Susan Harkema of the Kentucky Spinal Cord Injury Research Center, University of Louisville.

“In the context of rehabilitation influencing neural plasticity as a means for neural restoration, training in the home setting is an essential component of progress and I see Xcite as a great tool in achieving this,” concludes Harkema.

“Repetitive practice of task specific, strengthening and gross motor activities have long been a cornerstone of PT and OT programs for patients with neurological impairments or muscle weakness,” says Andrew Barriskill, CEO of Restorative Therapies. “Xcite is designed to be easily integrated into these traditional programs. Xcite enhances the impact of the traditional therapeutic activities that support neuromuscular reeducation.”

Xcite is the latest result of Restorative Therapies commitment to ongoing development of FES powered physical therapy systems designed to help people with neurological impairments maximize their recovery potential.

About Restorative Therapies
Restorative Therapies mission is to help people with a neurological impairment or in critical care achieve their full recovery potential. Restorative Therapies combines activity-based physical therapy and Functional Electrical Stimulation as a rehabilitation therapy for immobility associated with paralysis such as stroke, multiple sclerosis and spinal cord injury or for patients in critical care.

Restorative Therapies is a privately held company headquartered in Baltimore. To learn more about Restorative Therapies please visit us at www.restorative-therapies.com

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