RehaMove

Movement Therapy with Functional Electrical Stimulation

RehaStim (CE certificated)

activates paralyzed muscles by means of electrical impulses.

New Therapy Options from the Combination of MovementTherapySystems with Functional Electrical Stimulation

In the therapy of movement disorders, motor driven movement therapy machines are used as standard. RehaMove extends this therapy by adding Functional Electrical Stimulation (FES) which enables the affected people as well as spinal cord injured paralysed patients to actively use their muscles during movement therapy. Thus functional electrical stimulation opens up new therapy possibilities for paraplegic and quadriplegic patients. After a stroke there is a good chance to accelerate the neurological rehabilitation.

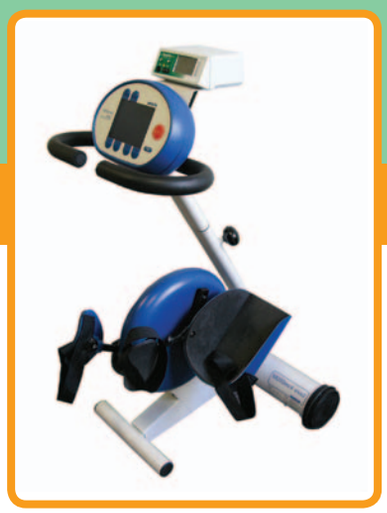
Indications: patients after stroke and craniocerebral injury,
people with complete and incomplete spinal cord injury

RehaMove consists of a movement therapy machine and a RehaStim electrical stimulator. Via electrodes attached to the skin, electrical impulses stimulate the muscles of the leg in a synchronised way to produce a rotational movement of the limb. Synchronisation is achieved through communication with the movement therapy machine. The RehaStim stimulator reads the position of the crank arms from the therapy machine and sends the impulses to the right muscles at the right time.

HASOMED®
hard- and software for medicine

RehaMove

Movement Therapy with Functional Electrical Stimulation



RehaMove builds up Muscle Bulk and trains the cardiovascular System

Regular training with the RehaMove leads to the build-up of muscles and strengthening of the cardiovascular system. The stimulated muscles are activated and trained.

More effective Rehabilitation after Stroke

Patients with functional residuals after stroke or an injury are expected to recover faster when using functional electrical stimulation. The re-learning of cyclical movements is supported. In contrast to gait training, patients who are not able to walk at all can practice on the RehaMove. The therapist is unburdened! Regular training conduces to a more effective and accelerated rehabilitation:

- motor skills improve faster and muscle coordination is learnt
- the re-learning of specific movements (e.g. gait) is supported.

Prevention of secondary Complications after Spinal Cord Injury

For people affected by complete or incomplete spinal cord injury, functional electrical stimulation helps to prevent secondary disorders and thus reduces the need for care. Regular training contributes to the stabilisation and improvement of the overall state of health and therefore the quality of life:

- blood circulation and metabolism are increased, reducing the risk of lung and heart diseases
- the skin condition is improved, the bone structure is strengthened
- preparation for recreational cycling and training on the RehaBike

Innovation Award of the
REHACARE INTERNATIONAL 2005

"The Functional Electrical Stimulation products from Hasomed GmbH demonstrate superiority particularly with their innovative character concerning new ideas and technical implementation, as well as user friendliness and improvement in the quality of life of disabled people."

For further information please contact:

HASOMED®
hard- and software for medicine

Paul-Ecke-Str. 1
39114 Magdeburg / Germany
Phone: ++49 (0)391 61 07 - 646
Fax: ++49 (0)391 61 07 - 640
info@rehamove.de
www.rehamove.de

Developed in cooperation with:

RECK MOTOmed®
MovementTherapySystems

Reck-Technik GmbH & Co. KG
Reckstr. 1-4
88422 Betzenweiler / Germany
Phone ++49 (0)73 74 - 18 85
Fax ++49 (0)73 74 - 18 480
contact@motomed.com
www.motomed.com