





"Gain self-reliance in a natural & efficient way!"



ABOUT OUR COMPANY

Roceso Technologies, the world's pioneer in soft robotics exoskeleton technologies since 2016, dedicated to empower people with neurological disorders and disabilities through innovations and technologies.

Roceso Technologies' vision is to be a leading technology company bringing independence and dignity back to people's life.

EsoGLOVETM is also registered and approved by the following to ensure quality compliance:

- US FDA Class II
- ◆ EU CE Class IIa
- ◆ Japan PMDA Class II
- ◆ Australia TGA Class IIa
- ◆ Singapore HSA Class B
- ♦ Korean MFDS Class II
- ◆ Malaysia MDA Class B





ABOUT EsoGLOVETM

Committed to bridge the gap between patient recovery and therapy roductivity.

EsoGLOVETM is a lightweight, highly flexible and extremely comfortable hand rehabilitative device, thanks to the patented soft robotic technology.

Pneumatically driven, **EsoGLOVETM** is a soft robotic hand rehabilitation system offers passive, active and bilateral trainings conveniently in comfort.

Targeted to improve fine motor skills of the fingers and and upper limb coordination, **EsoGLOVETM** provides opportunities for clinicians to incorporate other therapy elements to enhance the therapy experience and outcome.



EsoGLOVE™ Pro

The **EsoGLOVETM Pro** is the flagship model under **Roceso Technologies** which boasts a highly portable and compact system with a comprehensive training programme.

The **EsoGLOVE**TM **Pro** also comes with a hand tracking module to facilitate the latest bilateral training programme that is packaged as part of the **EsoGLOVE**TM series.

Key features of **EsoGLOVETM Pro**:



EsoGLOVETM Pro Luxe

In combination with the high quality arm support system, **EsoGLOVETM Pro Luxe** compensates the arm weight and weakness, as though operating in zero gravity.

EsoGLOVETM Pro Luxe supports patients with shoulder and elbow impairments for effective upper limb rehabilitation and functional task trainings.



EsoGLOVETM Myo

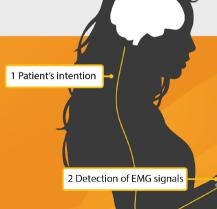
In addition to the features offered by the **EsoGLOVETM Pro**, the **EsoGLOVETM Myo** provides training via acquisition electrical impulses through surface EMG sensors.



EsoGLOVETM Myo detects patient intention to move the hand via sEMG signals.



EsoGLOVETM Myo also provides real-time EMG biofeedback to promote motor relearning base on neuroplasticity.





PASSIVE TRAINING

- ◆ Cyclic Training
- Functional Task Training
- Static Training



ACTIVE TRAINING

- ◆ Active-Assisted Range of Motion Training
- Functional Task Training
- | ◆ Bilateral Training
- Electromyography (EMG)Training





Passive mobilization exercises are accompanied by real-time 3D representation.

The simultaneous visual effects and proprioceptive feedback are associated to stimulate the patient's neuroplasticity.

PASSIVE TRAINING -ASSISTED REPETITIVE EXERCISE



ACTIVE-ASSISTED TRAINING -ENCOURAGING ENGAGEMENT

On top of incorporating proprioceptive feedbacks, the **EsoGLOVE**TM programme encourages patient participation to further enhance the therapy experience.





BILATERAL HAND TRAINING - COUPLING THERAPY EFFECTS

Encouraging bilateral hand training may have an impact on re-training the bilateral skills of the brain that can benefit the weaker hand.

The **EsoGLOVETM** programme also incorporates Mirror Therapy in this series of exercise to motivate patients to actively participate in their training exercise creatively.









EMG TRAINING -POWER IN BIOFEEDBACK

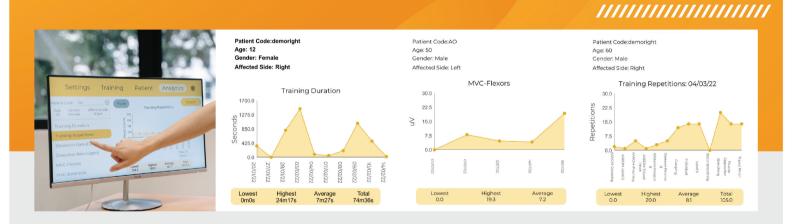






Muscle signals picked up by the surface EMG sensors are projected on-screen and provides biofeedback which may increase motivation to move the affected hand.

DATA ANALYTICS



The **EsoGLOVETM Hand Rehabilitation System** stores exercise sessions that can be used to monitor patient's progress and provide immediate feedback as therapy continues.



Contact Us

www.roceso.com



SINGAPORE

Email:

info@roceso.com

Address:

The Curie, 83 Science Park Drive #04-01, Singapore 118258

GERMANY

Email:

info@rocesomedical.com

Address:

Spessartstraße 1573433

Handelsregister: HRB 740566

EC REP

Address:

Bd Général Wahis, 53 1030, Brussels

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