

### Start of Cybernic Treatment in Asia Pacific region

~ Medical institution owned by Malaysian Social Security Organization determined to adopt HAL~

A Malaysian rehabilitation center that is operated by Social Security Organization of Malaysia (SOCSO)\*, (the“Center”), determined to adopt HAL for Medical Use Lower Limb Type (“Medical HAL”) as well as HAL Single Joint Type and HAL Lumbar Type, which are developed by CYBERDYNE, INC. (the “Company”).

\* Or also known as, Pusat Rehabilitasi PERKESO Tun Abdul Razak (PERKESO) in Malay.

The Center offers cutting-edge technologies and facilities to patients who were paralyzed in a work related accidents, in order to support his/her return to society and to improve their independence from care. At the earliest, the Center will start using Medical HAL to offer Cybernic Treatment\* to various patients with diseases and injuries such as stroke, multiple sclerosis, spinal cord injury,traumatic brain injury, etc. in the brain-nerve-muscular systems from November 2018.

Beginning of Cybernic Treatment in the Center will be the Company’s first step to spread Cybernic Treatment to Malaysia and other countries in Asia Pacific region.

#### Link

Introduction video to Pusat Rehabilitasi Perkeso Tun Abdul Razak

[https://www.youtube.com/watch?v=22OXEOKi\\_5A&t=5s](https://www.youtube.com/watch?v=22OXEOKi_5A&t=5s)

Information on SOCSO/ PERKESO

<https://www.perkeso.gov.my/index.php/en/31-social-security-protection/faedah-di-bawah-skim/67-permanet-disablement-benefit>

*\*Cybernic Treatment is described as “Functional Regenerative Medicine” realized by devices like Medical HAL that are developed using Cybernic Technology, and it is an innovative treatment technology that promotes the functional improvement/regeneration of the brain-nerve-physical*



*systems. Medical HAL establishes interactive biofeedback by moving according to intension-based motion information from the brain-nervous system and activating sensory systems like muscle spindle fibers to form a neural loop between the brain-nerve system and the musculoskeletal system. Even if the patient is unable to generate enough muscle strength to move due to motor dysfunction, the treatment is able to repeatedly realize actual movement that is in sync with the motion intent of the brain while avoiding excessive burden on the brain-nerve-muscle systems, thus making functional improvement/regeneration possible. Clinicians can intervene by tuning the many adjustable parameters related to the patient's motor and neurological information built into the device, in a way that appropriately circulates the patient's neurological information through the neural loop between the brain-nerve system and the musculoskeletal system. Treatment with Medical HAL has been approved by the regulatory authorities in Japan and has been listed as a new treatment procedure that is distinct from other traditional rehabilitation procedures, with a different reimbursement price. Cybernic Treatment is not limited to Medical HAL and can be administered by other Medical Cybernic Systems that take on various forms using Cybernic Technology.*