

Expansion of Cybernic Treatment in Europe**~ An Italian research rehabilitation institution determined to adopt HAL for treatment of stroke patients~**

An Italian rehabilitation institution, Centro San Girolamo (the “Center”) determined to adopt HAL for Medical Use Lower Limb Type (“Medical HAL”), which is developed by CYBERDYNE, INC. (the “Company”). The Center specializes in research for treatment of diseases related to the brain-nerve systems.

The Center is a private medical academic institution that conducts research on improvement of autonomy and advanced out-patient treatment on behalf of University of Parma, which is one of the regional leaders in treatment of diseases related to the brain-nerve systems. The Center will start offering Medical HAL to offer Cybernic Treatment* to various patients with disease and injuries in brain-nerve systems, such as stroke, spinal cord injuries, and cerebral palsy etc., from December 2018.

Beginning of Cybernic Treatment in the Center will be the Company’s plans to coordinate with the state of Emilia Romagna and multiple local university hospitals to disseminate the concept of Cybernic Treatment to all areas of Europe.

Link

<http://lnx.centrosangirolamo.it>

*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.