



Press Release

**BROOKS®**  
Rehabilitation

November 14, 2017  
CYBERDYNE, INC.

**Establishment of Cybernic Treatment Centre in Florida, USA**

**~basic agreement on joint business project, signed with one of the busiest rehabilitation hospital group in the U.S.~**

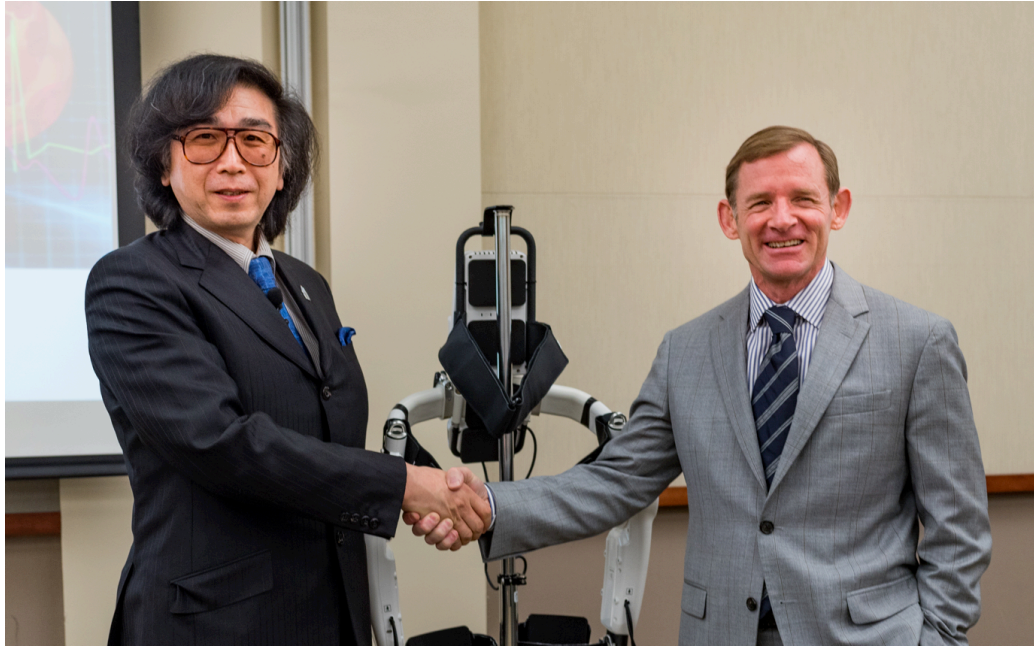
CYBERDYNE, INC. (Tsukuba, Ibaraki, CEO: Yoshiyuki Sankai [the "Company"]) entered into a basic agreement on a joint business project in the U.S., with Brooks Rehabilitation (Jacksonville, Florida, USA, CEO: Douglas M. Baer ["Brooks"]), known as one of the nation's prominent rehabilitation medicine groups.

Brooks operates one of US's busiest inpatient rehabilitation hospitals with more than 45 years of history. Brooks also provides a full continuum of rehabilitation services including outpatient therapy at 32 locations serving more than 30,000 patients per year, sub-acute and skilled nursing care, and home health, all supported by Brooks Rehabilitation Medical Group. They also feature many other programs such as the clinical research center for rehabilitation of stroke, spinal cord injury and other diseases. Spanning its entire group, Brooks treats more than 45,000 patients per year. With this agreement for a joint business project, the Company and Brooks will promote clinical research on Medical HAL in the U.S. in order to spread the use of Cybernic Treatment\* across the country. They will also establish a joint venture company to provide Cybernic Treatment service with Medical HAL.

The Company has submitted an application to the United States Food and Drug Administration ("FDA") towards obtaining approval for marketing the Medical HAL as a medical device on June 2017, and the application is currently under review. Medical HAL (Hybrid Assisted Limb, is a new form of Intervention using "Cybernic Technology and advanced robotic technology" to help a patient improve their walking ability and gain other functional and physiological benefits. This agreement was made in anticipation of the Company's business developments in the U.S. after obtaining the market approval for Medical HAL.

*\*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.*



Left : CEO Yoshiyuki Sankai, Right : Michael Spiegel Brooks Rehabilitation President & COO



Exterior of Brooks Rehabilitation



Image of Cybernic Treatment using the Medical HAL (Photo provided by Cyberdyne Care Robotics, Germany)

#### <About Brooks Rehabilitation>

Brooks Rehabilitation has been serving the southeast for more than 45 years. As a nonprofit organization based in Jacksonville, FL, Brooks operates one of the nation's largest inpatient rehabilitation hospitals in the U.S. with 160 beds, one of the region's largest home healthcare agencies, 30 outpatient rehabilitation clinics, a skilled nursing unit dedicated to orthopedic rehabilitation, a rehabilitation medicine physician practice, two skilled nursing facilities, assisted living and memory care. In addition, Brooks operates the Clinical Research Center, which specializes in research for stroke, brain injury, spinal cord injury and more to advance the science of rehabilitation. Brooks also provides many low or no cost community programs and services such as the Brooks Clubhouse, Brooks Aphasia Center and Brooks Adaptive Sports and Recreation to improve the quality of life for people living with physical disabilities. For more information, visit [BrooksRehab.org](http://BrooksRehab.org).

#### <About CYBERDYNE,INC>

Since its establishment as a venture company from the University of Tsukuba in 2004, CYBERDYNE, INC. has promoted the comprehensive development of various Cybernic\* Systems (Cybernic devices, Cybernic interfaces, etc.) that utilize Cybernic Technology from research and development to social implementation, aiming to tackle the various issues facing society. The Company has developed business in the fields of medicine, welfare and daily living (including the work environment), and its main product Robot Suit HAL® is widely distributed not only in the medical and welfare fields but also in care support and labor support fields. In addition, new products such as Transport Robots and Cleaning Robots equipped with artificial intelligence and environment recognition functions, HAL Lumbar Type that reduces the load and stress on the lower back, smaller-sized HAL (Single-Joint Type), Vital Sensors for detecting arteriosclerosis and arrhythmia measurements, etc. are continuously being developed. For more details, please refer to the following website: [www.cyberdyne.jp/eng/](http://www.cyberdyne.jp/eng/)

(\*) "Cybernetics" (adjective: Cybernic) is a new academic field that is centered around cybernetics, mechatronics and informatics fused/combined with various other fields including brain/neuroscience, robotics, biology, behavioral science, psychology, law, ethics, and business administration. Cybernetics is championed by Yoshiyuki Sankai, a professor at the University of Tsukuba in Japan.