January 14, 2020
CYBERDYNE, INC.

Announcement of an event at Nagoya Robocare Center to enjoy technology related to health

~Including trial session of Wearable Cyborg HAL for elderly person and people with disability ~

CYBERDYNE, INC. [Tsukuba, Ibaraki, the "Company"] currently offers "Neuro HALFIT" to visitors with disability or with weakened physical function due to aging at 14 Robocare Centers around Japan. Neuro HALFIT aims to induce improvement of the function of the brain-nerve-musculoskeletal function of the visitors through use of various cutting-edge technologies such as the world's first Wearable Cyborg HAL. Out of such centers, the Company's associated company Nagoya Robocare Center that was operated on pilot bases since its opening on August 2019, will mark its grand opening on January 2020. In order to further extend its recognition, Nagoya Robocare Center will host an opening event where visitors could experience various cutting-edge health technologies such as HAL, on January 25 (Sat) from 10AM to 6PM.



Wearing experience of HAL



Gaming experience with TANO

●Detail of the event

At the event, there will be several seminar sessions, presenting the product of the company, IWA Neuro HALPlus program designed for top athletes such as MLB pitcher Kenta Maeda (Los Angeles Dodgers), Sensing technology "TANO" designed for care facilities and education, gaming booth with TANO and experience booth of various health technologies and healing robots.

There will also be a booth where the visitors could monitor his/her own bio-electrical signal, utilizing the new monitoring function, which was announced as an optional function for HAL Lumbar Type for Well-being.

All visitors can participate without prior application and the event is free of charge.

●Date of the event

Date: January 25 (Sat) 10AM to 6PM

Venue: Nagoya Robocare Center

Address: EDION Nagoya Grandshop 2-4-22, Meiekiminami, Nakamura, Aichi, 450-0003, Japan

1. Small seminar

3 small seminars on HAL and various cutting-edge technologies (total of 40 min) will be held from 11AM, 2PM and 5PM

- What is Wearable Cyborg HAL? (15 min)
  Yoshihiro Yasunaga, Director of CYBERDYNE, INC. and Representative Director of Suzuka, Oita and Shonan Robocare Center
- Measure and play with cutting-edge technology without touching (10 min)
  Tsutomu Mitamura, CEO of TANOTECH CORPORATION
- "Innovative method to pull out full potential from an athlete using Cyborgs" (15 min)
  - IWA Neuro HALPlus that is practiced by MLB Pitcher Kenta Maeda
    IWA ACADEMY STRENGTH FIELD DIRECTER　Daigo Tanabe

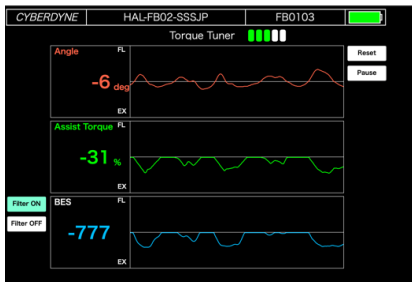
2. Wearing experience of HAL

The staff will help visitors to put on HAL on the visitors leg or on the back. The visitors can get the feeling of what is like to be a cyborg, just by putting on HAL. (30 min)



3. Experience of HAL Lumbar Type Monitor Function

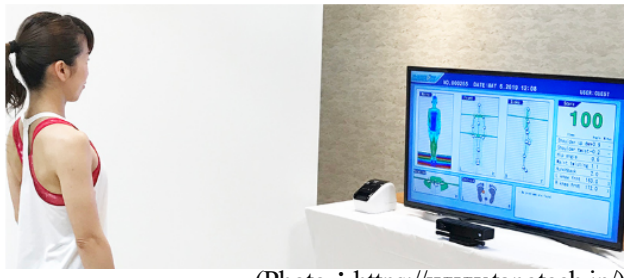
Using the monitor function, which was prepared as the new optional function of HAL Lumbar Type for Well-being, the wearer could check his/her own bio-electrical signal at real time.



4. Posture measurement and gaming experience using TANO

Visitors could experience rehabilitation training tool "TANO" that the Company distributes on behalf of the original developer TANOTECH CORPORATION. Using TANO, the visitors could measure their posture and play games.

- Posture measurement
  Check the placement of the shoulder and shape of the leg from the front, overall body balance, round back or sway back from the side, distortion and twist from the top, displacement from the central line on the floor and angle of each body parts to evaluate the posture.



(Photo：https://www.tanotech.jp/)

・ Gaming experience
Experience various games with TANO featuring football, baseball, archery, running, swimming, fishing, bowling, dancing, slot machine, drawing and many more.

4. Fishing competition with TANO (from 3PM)
TANO Fishing game competition will be held. There will be prize awarded to great performers.
(Photo：https://www.tanotech.jp/)



5. Measurement of blood vessel age, blood pressure and experience of various health tech
Visitors can use devices to measure their age of the blood vessels and blood pressure. They can also experience various health technologies.

6. Experience of healing robot
Visitors can experience two type of healing robot, "Nade Nade Neko-chan (cat type)" and "Nade Nade Wan-chan (dog type)" . Sensors are placed within the head, jaw (only the cat), back and tail of the plush doll and the robot makes different sound depending on whether the person is stroking or touching.
(Photo：https://trendmaster.co.jp/)



▼ Neuro HALFIT

Neuro HALFIT is a new program designed to induce improvement of the brain-nerve-musculoskeletal function through the world's first Wearable Cyborg HAL.

Even for wearers who have difficulties doing certain movements, Wearable Cyborg HAL can help the wearer to perform such movements over and over that is completely synchronized with his/her own intention.

Unlike the conventional rehab method, "Neuro HALFIT" that uses HAL's unique feature to induce reinforcement of neural transmission can give hope to visitors who thought they can recover no further from aftereffects of stroke and spinal cord injury to go through further improvement.

The Company will work together with the visitor to take one step further and improve their life, using HAL



Example of Neuro HALFIT program

＜HAL for Well-being Lower Limb Type＞



Ex-Flex of knee joints



Gait training with treadmills



Standing, sitting and balancing

＜HAL for Well-being Single Joint Type＞



Ex-flex of elbow joints



Ex-flex of knee joints



Ex-flex of ankle joints

＜HAL Lumbar Type for Well-being＞



Leaning forward



Squatting

Outline of Nagoya Robocare Center

Name：Nagoya RoboCare Center Co., Ltd.
Address：EDION Nagoya Grandshop, 2-4-22,
Meieki-minami, Nakamura, Nagoya,
Aichi, 450-0003, Japan
Operating hours：10:00～19:00/Closed on Wednesday
Tel：+81 52-526-2226
WEB：https://robocare.jp/location/nagoya



＜Operator of Nagoya Robocare Center＞
Name：Suzuka RoboCare CenterCo., Ltd.
Address：Suzuka University of Medical Science Shirako Campus, 3500-3, Minamitamagaki-cho, Suzuka, Mie, 513-0816, Japan.
Operating hours：9:00～18:00/ Closed on Saturday, Sunday and Japanese National Holidays
TEL：+81 59-389-7762
WEB：http://robocare.jp/