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### **HAL Lumbar Type User's Convention was held**

CYBERDYNE, INC. [Tsukuba, Ibaraki, CEO: Yoshiyuki Sankai (“Cyberdyne”)] hosted “HAL Lumbar Type User’s Convention on March 13, 2020 in Tokyo. This event was held for the third time, mainly for users who have adopted the HAL Lumbar Type. The event was designed to share advanced initiatives and inventive ideas in the operation of HAL Lumbar Type. As a counter measure to the risk of Coronavirus disease (COVID-19), the event was shown on live through online streaming service. On this occasion, seven facilities who made prior applications were chosen to present on the day. As a result of the voting done by the viewers of the live event, Daiwa House Industry Co., Ltd. (“Daiwa House Industry”) was awarded as the best user of HAL Lumbar Type for the year. Mr. Yamada, who is serving Daiwa House Industry as Senior Manager of the Production Department, presented various initiatives to improve the use of HAL Lumbar Type in their facility. In addition, many of the users were impressed on how Mr. Yamada explained about the unique verification system that was developed by Daiwa House Industry that is capable of quantifying the reduction in work load in order to establish the proper placement of assistive devices such as HAL Lumbar Type, and how many units users should look to adopt.

Furthermore, IWA JAPAN gave a presentation on how they are using the device towards athletes and Professor Miura from Tsukuba University Hospital gave a presentation on how they are using HAL Lumbar Type to improve the physical functions of elderly. In the event, YouTuber Maco, who goes by the nickname of “Modern Day Princess Mononoke” announced her plans to show her participation in Neuro HALFIT at Robocare Center and her house on YouTube videos.

#### **Presentation from the Users**

- “Use of HAL at ANA” (Mr. Yuta Kimura, All Nippon Airways Co., Ltd.)  
<https://youtu.be/xE7GO7UyPe0>
- “Use of HAL by paramedics and how it contributes to reduction of workload” (Ms. Shiori Innami, Ebina Municipal Fire Department)  
[https://youtu.be/\\_nLT92YwkiI](https://youtu.be/_nLT92YwkiI)
- “Realizing a work environment where all workers can work comfortably through assistive robot technologies such as HAL Lumbar Type” (Mr. Takayuki Yamada, Daiwa House Industry Co., Ltd.)  
<https://youtu.be/bk8Cwp1YPdA>
- “HAL Saitama Project: adoption of Wearable Robot Suits HAL to support the caregivers and investigation on reduction of workload” (Mr. Takayuki Yoshie, General Incorporated Association Saitama Council of Welfare Facilities for the Elderly)  
[https://youtu.be/eFvCq\\_ywEFA](https://youtu.be/eFvCq_ywEFA)

- “Use of HAL at the facility to train Certified Care Workers” (Mr. Yorinobu Hara, Edogawa Gakuen Otakanomori College)  
<https://youtu.be/EcbNIPNzbDk>
- “Early intervention with HAL Lumbar Type towards patients after surgery of trochanteric fracture” (Mr. Tomohiro Fujikawa, Social Medical Group Ishikawa HITO Medical Center)  
<https://youtu.be/WVoMMLzVP70>
- “Postural correction effects of HAL towards caregivers” (Mr. Yousuke Kawanabe, Medical Corporation Kanjinkai Nanohana Clinic)  
[https://youtu.be/6VGqHpeY4\\_4](https://youtu.be/6VGqHpeY4_4)

### Special Presentation

- “IWA Neuro HAL Plus, chemical reaction of HAL x Athletes unleashes the full potential” (Mr. Daigo Tanabe, General Incorporated Association IWA JAPAN)  
<https://youtu.be/6lkbunGIABc>
- “Using HAL to improve the motor function of the elderly through as robot rehabilitation” (Mr. Kousei Miura, University of Tsukuba Department of Orthopedic Surgery)  
<https://youtu.be/5XQwmXioNM>

### Special Appearance

- “Modern Day Princess Mononoke and HAL Lumbar Type” (YouTuber Maco)  
\* Maco is a popular YouTuber who lives in Tsuruoka Yamagata. Due to her experience working in the mountains as a traditional Japanese thatcher and as a hunter, Maco is often referred to as “Modern Day Princess Mononoke”. She became paralyzed in the lower half of the body due to an accident in July 2018, but Maco’s attitude towards life has not changed at all. She like to try things that make her life happier and spread such information to others.

Her video on HAL can be seen from the link below

<https://youtu.be/ybHlr9GOUnl>

Links to the documents of the event (available in Japanese only)

<https://www.hal-care-support.jp/>

	
<p><b>Grand Prize : Daiwa House Industry</b> Senior Manager of the Production Department: Takayuki Yamada</p>	<p><b>Award Winners</b> Back row from the left: Mr. Fujikawa, Mr. Kawanabe, Mr. Hara  Front row from the left: Mr. Yoshie, Ms. Innami, Mr. Kimura</p>