



2nd Well Aging Society Summit Asia-Japan Event Report



- ◆ Outline2
- ◆ Purpose2
- ◆ Program3
- ◆ Session summary
 - October 16th6
 - October 17th8
- ◆ Participants of business pitch contest and results12

Outline

- ◆ Event name: 2nd Well Aging Society Summit (WASS)
- ◆ Date: October 16 (Wed) / 17th (Thu), 2019
- ◆ Venue: Muromachi Mitsui Hall & Conference 3rd floor
3F COREDO Muromachi Terrace, 3-2-1 Nihonbashi-Muromachi, Chuo-ku, Tokyo
- ◆ Organizer: Ministry of Economy, Trade and Industry / Healthcare Innovation Hub (InnoHub)
- ◆ Co-Organizer: Office of Healthcare Policy, Cabinet Secretariat, Government of Japan /
Ministry of Health, Labour and Welfare
- ◆ Number of participants: 641 (2 days total)
- ◆ Participating countries / regions: 22 countries / regions
Canada, China, Denmark, Fiji, Finland, France, French Polynesia, Germany, Hong Kong,
India, Israel, Italy, Japan, Nepal, Singapore, Spain, Sweden, Taiwan, Netherlands, United
Kingdom, United States, Vietnam (written in alphabetical order)

Purpose

2nd Well Aging Society Summit Asia-Japan (WASS) aims to disseminate information both to Japan and overseas on the potential of Japan, which is a leading country of super aging society, as its research and development field as well as its excellent products and services, through keynote speeches, panel discussions by experts, and business pitch contests by companies that try to solve social issues in the field of healthcare. In addition, the event aims to promote investment in the healthcare sector through business matching.

We aim to contribute to extending of healthy life expectancy not only in Japan but also in the world through a unique and effective healthcare industry created in Japan.

Time	Program contents	
9: 30 -9: 40 9: 40 -9: 50	Opening remarks	<ul style="list-style-type: none">➤ Eriko Imai, <i>Parliamentary Vice-Minister of Cabinet Office, Japan</i>➤ Yoshitake Yokokura, <i>President, Japan Medical Association</i>
10: 00 -10: 15 10: 15 -10: 30	Keynote speech	<ul style="list-style-type: none">➤ Makoto Suematsu, <i>AMED: Japan Agency for Medical Research and Development</i>➤ Victor J. Dzau, <i>President, US National Academy of Medicine</i>
10: 45 -11: 45	Panel discussion	<p>"Future Healthcare Visions"</p> <ul style="list-style-type: none">➤ Nick Guldemond, <i>Prof.Dr., I.M. Sechenov First Moscow State Medical University / Hospital Israelita Albert Einstein São Paulo Brazil / Gdansk Medical University Poland</i>➤ Reshma Merchant, <i>Associate Professor, Geriatric Medicine University Medicine Cluster/NUS Yong Loo Lin School of Medicine National University Health System, Singapore</i>➤ Kenji Shibuya, <i>Professor and Director, University Institute for Population Health, King's College London, UK</i>➤ Victor J. Dzau, <i>President, US National Academy of Medicine</i>➤ Sonoko Watanabe, <i>Deputy Director-General, Office of Healthcare Policy, Cabinet Secretariat, Government of Japan</i>➤ Masami Sakoi, <i>Assistant Minister Health Policy Bureau, Ministry of Health, Labour and Welfare</i>
12: 00 -13: 00	Lunch session	<p>"To Make Innovation Happen from Kansai Area"</p> <ul style="list-style-type: none">➤ Masakazu Yagi, <i>Department of Biodesign for Healthcare Innovation, Graduate School of Medicine, Osaka University / Japan Biodesign Specially Appointed Associate Professor / Program Director</i>➤ Yoshiki Sawa, <i>Strategic Global Partnership Cross-Innovation Initiative, Osaka University Graduate School of Medicine and its Hospital Department of Cardiovascular Surgery, Osaka University Graduate School of Medicine Director, Professor</i>➤ Ryan Van Wert, <i>Division of Pulmonary and Critical Care Medicine/ Stanford Byers Center for Biodesign, Stanford University Clinical Assistant Professor /Assistant Director</i>➤ Tatsunori Taniguchi, <i>CEO / Medical Staff Remohab. Inc. / Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Osaka, Japan</i>➤ Fumiya Futamatu, <i>Director, New Ventures Japan Asia Pacific Innovation Center Johnson and Johnson INNOVATION</i>➤ Jun Kusunoki, <i>Johnson and Johnson INNOVATION Director, New Ventures Japan, Asia Pacific Innovation Center</i>
13: 15 -14: 15	Panel discussion	<p>"Rational medicine"</p> <ul style="list-style-type: none">➤ Naoya Yamazaki, <i>Medical Excellence JAPAN</i>➤ Tatsuya Kondo, <i>Medical Excellence JAPAN, Chief Executive Officer</i>➤ Takeshi Iwatsubo, <i>Professor, The University of Tokyo</i>➤ Leigh Farrell, <i>Senior Vice President & Head of Asia Pacific Commercial, Certara USA, Inc.</i>
14: 30 -18: 30	Business pitch contest	Theme 1: Quality Digital Health Theme 2: Aging
18: 45 -20: 15	Networking reception	Networking reception Business pitch contest award ceremony

Time	Program contents	
9: 40 -9: 45 9: 45 -9: 50	Welcome remarks	<ul style="list-style-type: none"> ➤ Hideki Makihara, Vice Minister of Economy, Trade and Industry, Japan ➤ Hanako Jimi, Parliamentary Secretary for Health, Labour and Welfare
9: 50 -10: 05 10: 05 -10: 20	Keynote speech	<p>"Introduction of Efforts to Address Aging Society"</p> <ul style="list-style-type: none"> ➤ Hugo de Jonge, Deputy Prime Minister, Minister of Health, Welfare and Sport, Kingdom of The Netherlands ➤ Aino-Kaisa Pekonen, Minister of Social Affairs and Health, Finland
10: 30 -10: 45 10: 45 -11: 00	Keynote speech	<p>"Introducing Activities by Global Partners"</p> <ul style="list-style-type: none"> ➤ Andre Belelieu, Head Of Insurance and Asset Management, WORLDECONOMIC FORUM ➤ George Hara, Ambassador and Chairman of the Board/Special Advisor, Alliance Forum Foundation/Cabinet Office of the Prime Minister of Japan
11: 00 -12: 00	Panel discussion	<p>"Promotion of Health Management and Prevention of Disease by Food"</p> <ul style="list-style-type: none"> ➤ Hanako Jimi, Parliamentary Secretary for Health, Labour and Welfare ➤ Keiichi Abe, Director, National Institute of Health and Nutrition ➤ Isabelle Grosmaître, Co-Chair, Health & Wellness /Alimentation Initiative Catalyst, The Consumer Goods Forum /DANONE ➤ Teiji Nakamura, President, The Japan Dietetic Association ➤ Pauline Harper, Director, Health & Wellness, The Consumer Goods Forum ➤ Masumi Niwa, Director, CEO, Delica Foods Holdings Co., Ltd. / Designer Foods Co., Ltd. ➤ Takaaki Nishii, President / CEO, Ajinomoto Co., Inc ➤ Masahiro Kaminota, Director, Health Service Division, Ministry of Health, Labour and Welfare, Japan
12: 15 -13: 15	Lunch session	<p>"Healthy aging community 創造に向けて(How can we create Healthy aging community ?) ~Case study for solving the Aging Challenge ~"</p> <ul style="list-style-type: none"> ➤ Yasuko Akutsu, Advanced Gerontology in Next Generation Japan ➤ Stephen Johnston, Co-founder of Aging2.0 ➤ Chiho Wakatomo, Head of Research and Consulting, Business partnership, Nomura Research Institute Europe ➤ Janice Chia, Founder & Managing Director, Ageing Asia Pte Ltd, Singapore
13: 30 -14: 30	Panel discussion	<p>"Efforts to address aging disease"</p> <ul style="list-style-type: none"> ➤ George Vrandenburg, CEO, Global CEO Initiative on Alzheimer's Disease ➤ Ryoji Noritake, CEO and Board Member, Health and Global Policy Institute (HGPI) ➤ Lenny Shallicross, Executive Director, World Dementia Council ➤ Taiki Sugimoto, Research fellow, Center for Comprehensive Care and Research on Memory Disorders, National Center for Geriatrics and Gerontology ➤ Jin Narumoto, Professor Department of Psychiatry, Kyoto Prefectural University of Medicine

Time	Program contents	
14: 45 -15: 45	Panel discussion	"Efforts towards developing Aging Society" ➢ Bart Scheerder , <i>Director, Innovation in Digital Health, University Medical Center Groningen</i> ➢ Stephanie K. Firestone , <i>Senior Strategic Policy Advisor, International, AARP</i> ➢ Michael Hodin , <i>CEO, Global Coalition on Aging and Managing Partner, High Lantern Group</i> ➢ Satoshi Imamura , <i>Vice president, Japan Medical Association</i> ➢ Kazumi Nishikawa , <i>Director, Healthcare Industries Division, Ministry of Economy, Trade and Industry, Japan</i>
16: 00 -17: 30	Panel discussion	"Current situation of Digital Health" ➢ Brian W. Anthony , <i>Professor, Massachusetts Institute of Technology</i> ➢ Tomohiro Kuroda , <i>CIO / Professor, Kyoto University</i> ➢ Charles Alessi , <i>Chief Clinical Officer, HIMSS</i> ➢ Seiichiro Yamamoto , <i>Lead Healthcare Data Project, World Economic Forum Centre for the Fourth Industrial Revolution</i> ➢ Erwin Böttinger , <i>Director of the Digital Health Center, Hasso Plattner Institute</i>
17: 30 -17: 40	Closing remarks	Yoshihide Esaki , <i>Deputy Director-General, Commerce and Service Industry Policy Group, Ministry of Economy, Trade and Industry, Japan</i>



Keynote speech

Makoto Suematsu, AMED: Japan Agency for Medical Research and Development

- Japan, which is facing a super-aging society, will lead the world in taking countermeasures.
- It is necessary to bring various ideas together in preparation for a super-aging society. In the future, it will be necessary to share and collaborate on data globally, develop a market for elderly, and build human resources. In particular, the goal is to link and integrate a lot of data.

Victor J. Dzau, President, US National Academy of Medicine

- Aging is rapidly proceeding worldwide. This is a problem but at the same time, an opportunity. Now is the time for global preparations to begin. The goal is not healthy aging, but healthy longevity.
- It is important to carry out scalable innovation, and to create a roadmap for healthy longevity.
- Our "Grand challenge" aims to innovate to achieve healthy longevity. We hope that Australia, Hong Kong and African countries will join us in the future.

Panel discussion "Future Healthcare Visions"

Speaker

- **Nick Guldemond**, *Prof.Dr., I.M. Sechenov First Moscow State Medical University / Hospital Israelita Albert Einstein São Paulo Brazil / Gdansk Medical University Poland*
- **Reshma Merchant**, *Associate Professor, Geriatric Medicine University Medicine Cluster/NUS Yong Loo Lin School of Medicine National University Health System, Singapore*
- **Kenji Shibuya**, *Professor and Director, University Institute for Population Health, King's College London, UK*
- **Victor J. Dzau**, *President, US National Academy of Medicine*
- **Sonoko Watanabe**, *Deputy Director-General, Office of Healthcare Policy, Cabinet Secretariat, Government of Japan*
- **Masami Sakoi**, *Assistant Minister Health Policy Bureau, Ministry of Health, Labour and Welfare*

- At the beginning, each speaker explained the situation and efforts of each country, as well as the recognition of issues. It was pointed out as a common issue that efforts to realize healthy longevity will become important in the future, as the birthrate declines and aging progresses, and medical and nursing care costs increase. In addition, the importance of the introduction and integration of technologies to cope with the shortage of medical workers and cooperation among medical institutions and regions was also mentioned as a common topic.
- Subsequently, speaker discussed the reasons why the medical industry falls behind other industries in spreading and introducing technologies. They discussed that, in order to not only develop technology but also to actually spread it, it is important to realize patients-centric, conduct scientific verification for implementation including verification of cost-effectiveness, and cooperate with industry.
- Finally, speakers pointed the importance of enthusiasm to bring innovation, leadership, and appropriate responses to local situation. The Government of Japan explained that the Ministry of Economy, Trade and Industry and the Ministry of Health, Labour and Welfare are working together for the future to make Japan an Innovation Hub in the field of healthy longevity.

Lunch Session "To Make Innovation Happen from Kansai Area"

Speaker

- **Masakazu Yagi**, *Department of Biodesign for Healthcare Innovation, Graduate School of Medicine, Osaka University / Japan Biodesign Specially Appointed Associate Professor / Program Director*
- **Yoshiki Sawa**, *Strategic Global Partnership Cross-Innovation Initiative, Osaka University Graduate School of Medicine and its Hospital Department of Cardiovascular Surgery, Osaka University Graduate School of Medicine Director, Professor*
- **Ryan Van Wert**, *Division of Pulmonary and Critical Care Medicine/ Stanford Byers Center for Biodesign, Stanford University Clinical Assistant Professor /Assistant Director*
- **Tatsunori Taniguchi**, *CEO / Medical Staff Remohab. Inc. / Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Osaka, Japan*
- **Fumiya Futamatu**, *Director, New Ventures Japan Asia Pacific Innovation Center Johnson and Johnson INNOVATION*
- **Jun Kusunoki**, *Johnson and Johnson INNOVATION Director, New Ventures Japan, Asia Pacific Innovation Center*

- The lunch session was co-sponsored by ROHTO Pharmaceutical Co., Ltd., SYSMEX CORPORATION and Terumo Corporation.
- Speakers had a discussion on how to build a healthcare innovation ecosystem with "World Expo in Osaka" in 2025 as a key word, regarding the expo as a testing ground for the future society and thinking about a post Expo as well.
- Next, speakers introduced successful examples such as Stanford Biodesign and Japan Biodesign, and human resource development on the industrial side by SYSMEX CORPORATION.
- Speakers also discussed that it would be more important to ensure that the benefits of solutions as a result of technological development reach patients and physicians, to enhance the verification environment for accumulating medical evidence, to strengthen incubation capabilities, and to cooperate through global networks.

Panel discussion "Rational medicine"

Speaker

- **Naoya Yamazaki**, *Medical Excellence JAPAN*
- **Tatsuya Kondo**, *Medical Excellence JAPAN, Chief Executive Officer*
- **Takeshi Iwatsubo**, *Professor, The University of Tokyo*
- **Leigh Farrell**, *Senior Vice President & Head of Asia Pacific Commercial, Certara USA, Inc.*

- The discussion on the rational medical treatment was carried out.
- Speakers pointed out that, although research on dementia has progressed, treatment is still in the middle stage, and that it is important to focus on patients as a center in the treatment of dementia. They also noted the need for human-centered design and data collection, which would allow more detailed care.
- After the discussion, the audience asked questions about how to create benefits for providers of Alzheimer's data. Speakers suggested that AI could be used to reduce health care costs, and that data should be collected and used after thorough risk management for users.

Keynote speech "Introduction of Efforts to Address Aging Society"

Speaker

- **Hugo de Jonge**, *Deputy Prime Minister, Minister of Health, Welfare and Sport, Kingdom of The Netherlands*
 - The Netherlands is a small country with a population of 7 million, but the situation regarding aging is similar to that of Japan. The country will face a challenge that, in 2040, the working population will remain the same with the number of people aged 75 or older will increase.
 - New solutions are necessary in three fields in the aging society. The first is the development of a health and medical system with an increasing elderly population, the second is the prevention of diseases among the elderly, and the third is how to organize an aging society. On the third point, life support by volunteer and enterprise is necessary in order to be a society in which people get older with keeping the dignity.
 - In the future, Netherlands would like to cooperate with Japan, which is working on the same challenges to promote health.

Speaker

- **Aino-Kaisa Pekonen**, *Minister of Social Affairs and Health, Finland*
 - Finland is also rapidly aging and has a declining birthrate. In order to maintain the working population and the functions of the elderly, the ministry is promoting measures to prevent diseases through early diagnosis and treatment. Dementia is a big problem in the future, but it can be prevented by guidance for lifestyle. It is necessary to examine various measures and keep up with the latest data.
 - The age of personalized medicine has arrived and Finland is building an ecosystem. In order for the elderly to live with passion, we would consider the elderly as an important resource, not a burden on society, and take this crisis as an opportunity.
 - The economy and wellness are closely linked and need to be strengthened. International cooperation is necessary to achieve social stability through economic well-being. Finland and Japan have a strong relationship and we would like to share our experiences with Japan in a good way.

Keynote Address ""Introducing Activities by Global Partners""

Speaker

- **Andre Belelieu**, *Head Of Insurance and Asset Management, WORLDECONOMIC FORUM*
 - In 2018, for the first time in history, the number of people aged 65 or over exceeded that of those under 65. The aging society has become a problem worldwide. Japan is the only country in the world with more than 30% of its population over the age of 60, and many countries will follow a similar path in 2050. Maintaining health is an important issue in longevity, and it would be necessary to realize personalized medicine with changing ecosystem for change of medical system. Financial guarantees for longevity and social safety nets also need to be prepared.
 - There is also the issue of workers' skills across generations in the future. It is important for the elderly to convey the knowledge to young people, which AI cannot provides. Many private companies need to be actively involved as employers for multi-generation employment.
 - It is important that multiple stakeholders participate in the efforts to improve the global situation. We hope that the World Economic Forum will work with governments around the world to address this difficult challenge and succeed globally.

Keynote Address ""Introducing Activities by Global Partners""(continued)

Speaker

- **George Hara**, *Ambassador and Chairman of the Board/Special Advisor, Alliance Forum Foundation/Cabinet Office of the Prime Minister of Japan*
 - I have a plan to make Japan the first independent country that can improve those symptoms and live to the fullest, even in the event of an accident or illness. This is possible because Japan has a small population. The country has such advanced technologies as well. Aging is a problem that not only Japan but also the world will face in the future, so if Japan can realize this plan, it can contribute to the world.
 - This plan will require (1) technological innovation, (2) institutional innovation, and (3) ecosystems. (1) means to discover and commercialize science and technology for the treatment of diseases such as cancer, (2) means to legislate for the use of technology, and (3) means to share and discuss the visions of (1) and (2) to decide policies.
 - The plan is well under way and we strongly believe it will be implemented by 2050.

Panel discussion "Promotion of Health Management and Prevention of Disease by Food"

Speaker

- **Hanako Jimi**, *Parliamentary Secretary for Health, Labour and Welfare*
 - **Keiichi Abe**, *Director, National Institute of Health and Nutrition*
 - **Isabelle Grosmaître**, *Co-Chair, Health & Wellness /Alimentation Initiative Catalyst, The Consumer Goods Forum /DANONE*
 - **Teiji Nakamura**, *President, The Japan Dietetic Association*
 - **Pauline Harper**, *Director, Health & Wellness, The Consumer Goods Forum*
 - **Masumi Niwa**, *Director, CEO, Delica Foods Holdings Co., Ltd. / Designer Foods Co., Ltd.*
 - **Takaaki Nishii**, *President / CEO, Ajinomoto Co., Inc*
 - **Masahiro Kaminota**, *Director, Health Service Division, Ministry of Health, Labour and Welfare, Japan*
- Ms. Jimi, Parliamentary Secretary for Health, Labour and Welfare, introduced the Nutrition Summit to be held in Tokyo in 2020. The purpose of this summit is to promote international efforts in the future, with confirming the present state and issues on nutrition. Mr. Kaminota from the same ministry explained that extending healthy life expectancy and average life expectancy would help build a society that firmly sustains Japan's social security system. He introduced the contents of the "Health Life Extension Plan" compiled by the ministry.
 - Next, Mr. Abe from the National Institute of Health and Nutrition introduced the microbiome, metabolic syndrome, frail, and Japanese food. The institute is working on these to solve the complex problem of malnutrition and hypernutrition.
 - Mr. Tamba from Designer Foods Co., Ltd., which aims to create a healthy Japan together with food companies, introduced the company's efforts to make supermarkets in Japan a "food pharmacy" and restaurant and home meal services a "food hospital", under the theme of what companies can do for healthy life expectancy.
 - Mr. Grosmaître, Chair of The Consumer Goods Forum (CGF), participated by a video introducing that CGF is learning how to make the best impact by experimenting with various stakeholders. He delivered a message that it would be important for various stakeholders to work together to build a cycle to provide food to 10 billion people. Ms. Harper from CGF introduced "one for good".
 - Mr. Nishii of Ajinomoto who is also a member of CGF, introduced Shokuiku that the company has been working on in 38 prefectures and 70,000 stores in Japan in cooperation with local governments. In addition, activities at elementary schools in Vietnam and a project to improve maternal and child nutrition courses in Ghana were introduced.

Lunch Session "Healthy aging community 創造に向けて(How can we create Healthy aging community ?) ~Case study for solving the Aging Challenge ~"

Speaker

- **Yasuko Akutsu**, *Advanced Gerontology in Next Generation Japan*
 - **Stephen Johnston**, *Co-founder of Aging2.0*
 - **Chiho Wakatomo**, *Head of Research and Consulting, Business partnership, Nomura Research Institute Europe*
 - **Janice Chia**, *Founder & Managing Director, Ageing Asia Pte Ltd, Singapore*
- Speakers introduced their activities towards the creation of "Healthy aging community".
 - Ms. Wakamoto pointed out that it is important to improve the sector of presymptomatic disease to increase the number of healthy elderly people in order to secure a labor force in an aging society with a declining birthrate. She also mentioned that, according to a survey, percentage of working elderly people who feel healthy is high, and that the higher the age, the more obvious this tendency is. In addition, she introduced that the aging society has the potential to bring innovation and create big businesses in various fields such as prevention, medical care, and life support etc.
 - Mr. Johnston mentioned Aging 2.0 is trying to connect communities around the world. In order to build a global platform, utilize collective intelligence, and lead the world in the face of change, Aging 2.0 will connect approximately 700 elderly-friendly cities and promote initiatives to lead meaningful lives regardless of age.
 - Ms. Chia pointed out that, while we care for the elderly, we also need to prepare for our happy life in the second half of our lives. She also introduced Aging Asia's efforts to lengthen healthy years and shorten terminal periods of declining health.

Panel discussion "Efforts to address aging disease"

Speaker

- **George Vrandenburg**, *CEO, Global CEO Initiative on Alzheimer's Disease*
 - **Ryoji Noritake**, *CEO and Board Member, Health and Global Policy Institute (HGPI)*
 - **Lenny Shallcross**, *Executive Director, World Dementia Council*
 - **Taiki Sugimoto**, *Research fellow, Center for Comprehensive Care and Research on Memory Disorders, National Center for Geriatrics and Gerontology*
 - **Jin Narumoto**, *Professor Department of Psychiatry, Kyoto Prefectural University of Medicine*
- Mr. Vrandenburg, who operates an advocacy organization for Alzheimer's patients in the United States, pointed out that international mechanisms and goals, such as those used to combat global warming, are needed to address this issue. He also mentioned that it is important for researchers to gather and hold open discussions.
 - Mr. Shallcross of the World Dementia Council pointed out that the cost of aging and dementia is a major challenge for the next century, and that it will require partnerships among industry, government, and academia, data sharing, and funding. He also introduced six OECD member countries have established registries for dementia.
 - Mr. Sugimoto from the National Center for Geriatrics and Gerontology introduced a project called "Japan Multi-Modal Study" to prevent dementia. Based on the hypothesis that face-to-face support is necessary for people with dementia, they worked with private companies with the aim to cope with improvement or worse of the disease with variety of technologies.
 - Professor Narumoto of Kyoto Prefectural University of Medicine introduced a cross-sectoral consortium in Kyoto. This is a program under the cooperation with private companies with the aim of increasing the independence of the elderly, and is also conducted in cooperation with universities and the public sector. He also introduced the establishment of a think tank and its efforts in various fields in cooperation with private companies and medical institutions to support the decision-making of dementia patients.10

Panel discussion "Efforts towards developing Aging Society"

Speaker

- **Bart Scheerder**, *Director, Innovation in Digital Health, University Medical Center Groningen*
 - **Stephanie K. Firestone**, *Senior Strategic Policy Advisor, International, AARP*
 - **Michael Hodin**, *CEO, Global Coalition on Aging and Managing Partner, High Lantern Group*
 - **Satoshi Imamura**, *Vice president, Japan Medical Association*
 - **Kazumi Nishikawa**, *Director, Healthcare Industries Division, Ministry of Economy, Trade and Industry, Japan*
- Speakers had a discussions on what actions should be taken to cope with the aging of society, which is a common global issue, so that people can live happily even when they get old.
 - Taking up the issue of the need to change not only government systems but also people's lifestyles, including their way of thinking and work, each speaker introduced the American NPO, AARP, and the efforts of the Dutch city of Groningen under the vision of "healthy aging", Japan Medical Association's enlightenment activities on the concept of health (awareness of what health is), efforts to enhance and strengthen the functions of family doctors and efforts toward the realization of "Silver Economy" by GCOA which is a industrial consortium.
 - In questions and answers, the audience asked questions such as "When considering how to get healthy by involving society as a whole, it is necessary to consider various factors such as health disparities, low literacy, and economic disparities. In the case of Groningen, what measures are taken?" and "What actions are appropriate for elderly people's social participation?".

Panel discussion "Current situation of Digital Health"

Speaker

- **Brian W. Anthony**, *Professor, Massachusetts Institute of Technology*
 - **Tomohiro Kuroda**, *CIO / Professor, Kyoto University*
 - **Charles Alessi**, *Chief Clinical Officer, HIMSS*
 - **Seiichiro Yamamoto**, *Lead Healthcare Data Project, World Economic Forum Centre for the Fourth Industrial Revolution*
 - **Erwin Böttinger**, *Director of the Digital Health Center, Hasso Plattner Institute*
- In this section, experts from various fields introduced and discussed the current state of digital health. The presentations included examples of continuous data collection through sensors and its utilization at MIT, efforts by HIMSS through organizational and global network collaboration, efforts by World Economic Forum Centre for the Fourth Industrial Revolution to build a framework for data governance, efforts by the Hasso Plattner Institute for digital engineering of data and successful examples of digital innovation in the medical field, and research "preemptive medicine" using IoT and sensors by Kyoto University.
 - Speakers pointed out in their discussion that not only the consent of individual patients but also the consent of society as a whole is necessary to handle the data. It was discussed that a major step toward the realization of digital health is to obtain a social consensus to utilize the data as social capital.
 - After experts' discussion, audience raised questions about the latest sensing devices and their functions, how to utilize sensor technology in people's lives, and the possibility of utilizing big data, and active discussions took place.

Company Name: Icaria (QDH -1)

Country/Region: Japan

Presentation Title: Early Cancer Detection and Treatment Selection by Urine Test

Description of business: Icaria a liquid biopsy company, succeeded to detect cancer from a drop of urine in more than 95% accuracy. This includes stage I patients and also capable for detecting multiple cancer type at once. Icaria's core technology is in fabricating nano-materials especially for biological use. We invented a micro-fluid nanowire device to collect more than 99% of urinary exosomes. We are capable to analyze miRNA profile comprehensively and we plan to apply this technology for treatment selection and patient stratification for drug discovery.



Company Name: PhysioCue (QDH -2)

Country/Region: US

Presentation title: Non-invasive hypertension therapy device and a migraine and headache therapy device

Description of business: PhysioCue is a consumer health and medical device development company that developed a non-invasive hypertension therapy device and a migraine and headache therapy device, which are efficient, safe, easy to use, and has none of the side effects associated with antihypertensive drugs and migraine headache drugs. Our next generation hypertension therapy device that combines the biosensor technology for measuring blood pressure from the fingers, record and transmit the data via the PhysioCue app. and a bio-sensor BP monitor paired with an app.

Company Name: Hacars (QDH -3)

Country/Region: Japan

Presentation title: Stroke diagnosis and treatment support AI created for emerging countries and depopulated areas

Description of business: Our strength is the ability to extract features from small amounts of data and the high interpretability of Sparse Modeling technology. The current mainstream technology of AI, Deep Learning, requires a large amount of data for training and has the problem that the decision-making process of AI is a black-box. We are trying to solve this problem with our unique AI. By transplanting the human know-how and experience of doctors with expertise in the diagnosis and treatment of stroke to AI, Hacarus supports doctors in emerging countries and depopulated areas that do not have specialized knowledge.

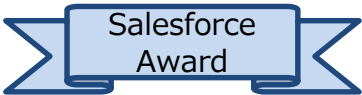


Company Name: Health2Sync (QDH -4)

Country/Region: Taiwan

Presentation Title: Digital Therapeutics – Personal and Scalable Interventions for Chronic Disease Management

Description of business: Healt2Sync provides a software platform (App and cloud) that personalizes diabetes care. Our app in Japan is called SyncHealth. Patients would enter or wireless sync glucose data, diet, exercise, and medication regimen through the App. After the cloud analyzes the data, personal alerts, reminders and tips is provided to the patient. Health2Sync also enables pharmaceutical and health insurance companies to deliver support services to the patients directly. Because of the personalized engagement and how we have proven to be effective with improved outcomes, health insurance companies are now willing to offer diabetes insurance to patients with because risk can be controlled with proper usage of Health2sync App.



Company Name: EchoCare (QDH -5)

Country/Region: Israel

Presentation Title: Elderly Care Home Observer (ECHO), From Incident Detection to Preventive Care

Description of business: EchoCare developed an elderly care home monitoring device that detects various emergencies (e.g. falls) and detection of a potential health deterioration. The EchoCare's solution is based on the installed ECHO device at the elderly apartment ceiling and cloud service that enables the distribution of the alerts and other data to the caregiver or remote home care operator using a web based nursing call system (dashboard). EchoCare business model is based on 2 major items; (1)Selling the ECHO device, and (2)Monthly fee for the connected cloud services that include: remote device maintenance, SW upgrades, proposed and new elderly care support functions

Grand Prix



Company Name: Sharp Therapeutics (QDH -6)

Country/Region: United Kingdom

Presentation Title: Adding life to years - Using digital therapy for risk assessment and risk reduction of Alzheimer's

Description of business: Sharp TX builds engaging Digital Therapeutics that help with prevention, detection, monitoring and treatment of Central Nervous System (CNS) conditions, starting with Alzheimer's disease (AD) and other dementia. The objective of Sharp is to be a more reliable, affordable and accessible diagnostic in order to: reduce waiting time in clinics, improve access to care and plan for the future, lower the anxiety and costs from triage of worried-well. Creating the most accurate self-served and cost-effective cognitive tracking device is possible by combining the expertise from Exeter University and the minds behind Peak, app leader of brain-training.

Company Name: Nightingale Health (QDH -7)

Country/Region: Finland

Presentation Title: Solving the global chronic disease crisis – the preventive and personalized healthcare of the future

Description of business: Today's healthcare system has been designed to treat people who are already sick, when the focus should be on prevention. Nightingale Health is leading a movement to transform global health and to enable preventive and personalized healthcare. The innovation, a novel blood testing technology, reveals unique molecular insights on chronic diseases such as heart disease and diabetes, that are otherwise invisible using standard technologies. This broader visibility allows us to predict the future risk of a person developing a disease, empowering people to make a positive impact on their health.



Company Name: Pharsoz Technologies (QDH -8)

Country/Region: India

Presentation Title: Advancing Healthcare with Digital Platform

Description of business: The healthcare sector is inherently a complex ecosystem, based on conventional processes. However, the time is ripe for healthcare companies to embrace innovation, and emerging global trends to successfully steer new-age technologically-driven healthcare strategies.

Over the years, DocsApp has revolutionised the Indian healthcare space by replacing traditional channels of communication between patients and doctors by combining healthcare domain, science and AI technology. More than 10 million patients across India have utilized the services provided on the platform. DocsApp has cemented its position as India's leading digital healthcare platform.

Company Name: Health Invest Finland (AG -1)

Country/Region: Finland

Presentation title: The heart of personalized care

Description of business: elderly caregiving. It integrates technology-supported remote monitoring of well-being status, coordination and management of health and social care services, and communication among health and social care professionals, clients, and family members. My+Care enables caregiving organizations to take advantage of advances digital technologies in their drive to deliver effective, accessible and affordable care services to elderly clients across residential, nursing home and hospital environments.



Company Name: Tetsuyu Healthcare (AG -2)

Country/Region: Singapore

Presentation Title: Innovative care management ICT solutions to improve productivity, quality, affordability and ease of multi-discipline/multi-site collaboration in community care services

Description of business: Access to holistic disease prevention and management is a challenge for the elderly, especially in remote places. Our holistic CARES solution supports healthcare providers including doctors, nurses, caregivers, care managers, patient's family members, and the patient to remotely collaborate and monitor the overall health or chronic disease conditions. CARES4WOUNDS module helps care teams more systematically prevent and manage healing progress of DFU and PU through AI and Telehealth.

Company Name: Navigil (AG -3)

Country/Region: Finland

Presentation title: Share and Care; path to safe aging with a wearable device and platform

Description of business: Navigil is a provider of wearable wellbeing wristwatches, accessories, and services for older adults and persons with dementia. The wristwatches are world's smallest wellbeing wristwatch with analog watch, LTE mobile phone, GPS outdoor and beacon indoor tracking, and activity and vital sign monitoring, supported by AI based trend data analytics and SOS call routing and notification services. White label business model. The solutions of Navigil shall enable secure sharing of wellbeing status and care responsibilities with family, friends, and professional care providers, while providing peace of mind and saving costs for the families, the municipalities, and the society.



Company Name: TeiaCare (AG -4)

Country/Region: Italy

Presentation Title: TeiaCare: Innovation for a Resident-Centered Assistance in Nursing Homes

Description of business: TeiaCare is a VC-backed Italian digital health Company founded in 2017 in Milan, with the mission of solving the problem of inefficient patient monitoring by bringing about a new era of contactless monitoring that is available to everyone. The Company is composed by a strong team of biomedical, software engineers, doctors and nurses with experience in founding and leading start-ups and bringing new technologies in the medical device industry. The team is backed by a strong roster of advisors with more than 150 years of cumulative experience in business development, medicine, innovation strategies, and business management.

Company Name: Oenix (AG -5)

Country/Region: Taiwan

Presentation title: Oenix Cloud Smart Care System Protects Elderly Security

Description of business: Oenix is proud to unveil the Oenix Nightingale Smartcare System and the Oenix Guardian Angel Smartcare System, with the former catering to institution-based elderly care, and the latter designed specifically for home-based elderly care. Both systems allow for the integration and easy management of smart devices through a user-friendly interface. The systems also dispatch instant risk alerts to the caregiver's mobile phone to give sufficient response time for the caregivers to rush to assistance. They also enable real-time visual remote monitoring and automatic light adjustment to enhance the safety of the living environment, and, last but not least, keep an activity log that can be used to improve long term health management.



Multi-Point Sensing



Company Name: Xenoma (AG -6)

Country/Region: Japan

Presentation Title: e-skin Next-Generation Smart Apparel for Better Aging Society

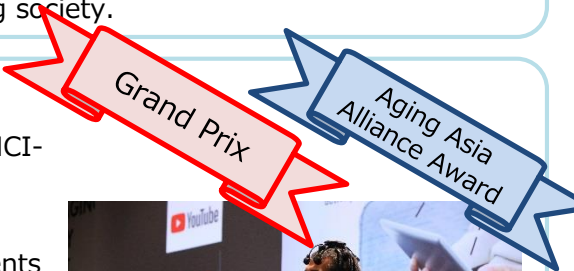
Description of business: The 'e-skin' is the next-generation smart apparel which is a comfortable, highly durable, well-insulated and machine washable man-machine interface for connecting humans with the internet. Since our whole body is covered with clothes, the e-skin is one of the most ideal interfaces to monitor our activities and vital signs. As an elderly monitoring system, camera systems have a serious privacy issue at home. Wearable wristbands are easy to wear but not enough information for monitoring purposes. Our e-skin as a whole-body sensing platform is an ideal elderly monitoring system which will realize healthier and happier aging society.

Company Name: BestBrain (AG -7)

Country/Region: Israel

Presentation title: BestBrain, effective Cognitive Self-Care for MCI-AD

Description of business: BestBrain is pioneering non-invasive, personalized brain therapy that we hope will improve patients' lives by training the brain to change itself. Our focus is on patients in the early phase of Alzheimer's with Mild Cognitive Impairment (MCI). Our immediate goal is to help patients recover memory functions. Over time, we aim to delay their decline into Alzheimer's - and perhaps even stop it altogether. Our goal is to make effective cognitive self-care easy and accessible for patients so that they can reap the benefits of therapy that can be offered in a variety of settings: at home, in an office or patient care facilities - or anywhere you can comfortably sit and watch a movie.



Company Name: Kraydel (AG -8)

Country/Region: United Kingdom

Presentation title: Kraydel: TV-based Agetech to address resilience and loneliness

Description of business: Kraydel's TV-connected home-hub aims to help people live healthy lives in their own homes. We use the TV as a portal to connect with family and carers via video calls and text messaging via web or smartphone app. Reminders for medication, and events are delivered via the TV, and products/services tailored for the elderly e.g. taxi services are available on the interface. Our hub is equipped with sensors for light, sound, motion and temperature, to manage user wellbeing, by monitoring the activities of daily living. The hub is also an IoT platform that pairs with bluetooth / connected devices such as home sensors, and health devices to turn the TV into a platform for enabling virtual visits by clinicians and therapists.

See you next year!



2nd WELL AGING SOCIETY SUMMIT ASIA-JAPAN

Organizer:

**Ministry of Economy, Trade and Industry, Japan
Healthcare Innovation Hub (InnoHub)**

Co-organizer:

**Cabinet Secretariat
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