

2nd Symposium on NEXT Medical Device Innovation

New trends in medical device development in Japan: ICT, AI, and start-ups

The environment surrounding medical device development is beginning to undergo a drastic shift, driven by the rapid development of ICT, AI technology, and the introduction of a US style “ecosystem”. Targeting the development of new medical devices from Japan, this symposium will focus on ICT, AI and startups.

General Information

- ◇ Date and Time: October 26, 2018 (Friday) 10:00-17:00
- ◇ Venue: 1-9-7 Ōtemachi Chiyoda-ku, Tōkyō 100-0004
Otemachi Financial City South Tower 3F Conference Center
<http://www.otemachi-financialcity.jp/english/access/>
- ◇ Registration fee: Free
- ◇ Capacity: 250 (Deadline: applications will close when capacity has been reached)
- ◇ Registration: From September by e-mail. (pre-registration only)
- ◇ Contact: National Cancer Center Hospital East NEXT Medical Device Innovation Center
6-5-1 Kashiwanoha, Kashiwa-shi Chiba-ken, 277-8577 Japan (Yusuke Yoda, Yuko Tanabe)
Tel: +81-4-7130-0199 e-mail: NEXT_reception@east.ncc.go.jp
- ◇ Sponsored by: National Cancer Center Hospital East
Japan Agency for Medical Research and Development

Schedule

10:00~10:15 Welcome and Introduction

Atsushi Ohtsu, Director, National Cancer Center Hospital East

■ Morning Section (10:15~12:15)

Moderators: Hiromu Kutsumi, Professor, Shiga University of Medical Science,
Tomonori Yano, Head of Endoscopy, National Cancer Center Hospital East

S1 Real-world Data in Medical Device Development

1-1 Developing Medical Devices Using BigData from JED (Japan endoscopy database) Project

Kiyohito Tanaka, Kyoto Second Red Cross Hospital

1-2 Clinical Evaluation of Medical Devices Using Registry Data

Shuichi Mochizuki, Pharmaceuticals and Medical Devices Agency

S2 Utilizing ICT and AI in Medical Devices

2-1 Data-Driven Medical Studies - Possibilities and Issues -

Naoki Nakashima, Medical Information Center, Kyushu University Hospital

2-2 Artificial Intelligence: Transforming the Future of Medicine

Seigo Hara, CEO/MD, MICIN

■Afternoon Section: 1 (13:00~15:00)

Moderators: Takeyuki Sato, Foundation for Biomedical Research and Innovation at KOBE (FBRI),
Shinichiro Takahashi, Head, Medical Device Innovation Center, National Cancer Center Hospital East

S3 Developing Medical Devices from Bedside Needs

3-1 First SAKIGAKE-designated Medical Device: Titanium Bridges for Adductor Spasmodic Dysphonia

Tetsuji Sanuki, Department of Neuro-otolaryngology, Nagoya City University Graduate School of Medical Sciences

3-2 Development of AI-assisted Instruction System for Laparoscopic Surgery

Nobuyoshi Takeshita, Medical Device Innovation Center, National Cancer Center Hospital East

3-3 Breast Cancer Screening and Diagnostic Equipment Based on Clinical Needs and Technical Seeds from Universities

Takashi Azuma, Faculty of Medicine, The University of Tokyo,

3-4 Medical Device Development With View to Exit Strategy

Hiroko Tanioka, The Japan Federation of Medical Devices Associations (KYOCERA Corp.)

■Afternoon Section: 2 (15:10~16:55)

Moderators: Masaaki Ito, Head of Clorectal Surgery, National Cancer Center Hospital East
Tomonori Yano, head, Endoscopy, National Cancer Center Hospital East

S4 Japan-made Medical Devices the World / Medical Device Start-ups

[Simultaneous interpretation]

4-1 Future Medical Innovation in Kashiwanoha

Masaaki Ito, Head of Colorectal Surgery, National Cancer Center Hospital East

4-2 Career Advancement, Excitement and Occasional Financial Gain Through Medical Innovation

Takao Ohki, Division of Vascular Surgery, Jikei University School of Medicine

4-3 Medical Device Development from Japan to the World: Perspective from Silicon Valley

Fumiaki Ikeno, Biodesign Advisory Faculty, Stanford University

4-4 The C2 Story – A Case Study in Medical Device Innovation from the Silicon Valley

Peter Garcia-Meza, Co-Founder, C2 Therapeutics

16:55~17:00 Closing Plenary

Masaru Konishi, Deputy Director, National Cancer Center Hospital East