



iGHP 20th Monthly Seminar

“When Machines Become Doctors: The Dawn of an AI-Powered Diagnostic System and Its Implication for the Future”

In the conventional wisdom, we all understood medical AI devices to be a tool used under the doctor's supervision. However, IDx-DR*, an autonomous AI diagnostic system that was first of its kind to be approved by Food and Drug Administration (FDA), can detect and diagnose diabetic retinopathy without a doctor. There is a possibility that the FDA-approval of such a system may change the healthcare industry.

Does the FDA's authorization suggest that we are in the new era of autonomous AI diagnostic system without a doctor? Join us for a talk by leading actors of the first-ever FDA approved diagnostic system and its implications of for the future health care systems.

1. Seminar Details

Date & Time	Monday, October 22, 2018 16:30-18:00
Topic	When Machines Become Doctors: The Dawn of an AI-Powered Diagnostic System and Its Implication for the Future
Venue	Institute for Global Health Policy Research, Bureau of International Cooperation (Ground floor, Training Center Building), National Center for Global Health and Medicine, Tokyo
Access	http://kyokuhp.ncgm.go.jp/eng/aboutus/access.html
Language	English only (No Japanese interpretation will be available)
Admission	Free of charge and open to the public. Please register at: https://goo.gl/forms/mRD24G1Sa4OPss7F2
Seating capacity	80
Organizer	Institute for Global Health Policy Research (iGHP), Bureau of International Cooperation, NCGM in cooperation with Topcon Corporation

* IDx-DR analyzes image of the retina and detects signs of diabetic retinopathy. The machine also provides instant results of either a detection of signs of diabetic retinopathy and a recommendation for referral to an ophthalmologist or a lack of sign of diabetic retinopathy and recommendation for a follow-up in twelve months.

2 . Agenda (tentative)

Opening Remarks : Kenji Shibuya, Director, iGHP

Michael Abramoff , Founder and President of IDx

“IDx: Story to historic moment of FDA’s authorization and future

Mr. Fumio Ohue (Managing Executive Officer, General Manager of Eye Care Business Division, Topcon Corporation)

“Strategy of Topcon Corporation, Japanese technology for IDx-DR realization”

Mr. Ushio Usami (Country leader – Japan, Worldwide Public Sector, Amazon Web Service Japan K.K)

“Global expansion of Amazon Web Service for next AI environment”

Discussion Q&A

Moderator: Hiroaki Miyata, Director, Department of Global Health Systems and Innovation (iGHP)

Closing