

## **iGHP Special Lecture Series**

### **“Cloud and AI as drivers of technology innovation in the healthcare industry”**

In recent years, the utilization of artificial intelligence technology in the medical field has attracted much attention. In this talk, Arie Meir, PhD, a product manager with Google Cloud team will present his team’s strategy and perspective on data management, analytics and machine learning with specific focus on medical imaging. Arie will share his observations on some of the challenges seen in this field as well as the opportunities for innovation that these challenges introduce.

Join us in this talk to hear about the role of artificial intelligence in the future of radiology, find out the truth about big (dirty) data and what does it take to really de-identify healthcare data. Questions from the audience are encouraged and appreciated.

Date & Time	Tuesday, September 18, 2018, 17:00–18:05
Topic	Cloud and AI as drivers of technology innovation in the healthcare industry
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	<a href="http://kyokuhp.ncgm.go.jp/eng/aboutus/access.html">http://kyokuhp.ncgm.go.jp/eng/aboutus/access.html</a>
Language	English only (No Japanese interpretation will be available)
Admission	Free of charge and open to public.
Seating capacity	50

## About the Speaker:



Arie Meir, PhD

Product Manager, Google Cloud

Arie Meir, PhD, is a product manager with Google Cloud. Arie's team is focusing on building data management solutions for the healthcare industry. Arie has 15 years of experience working on the cusp of healthcare and technology with interests in computational modeling, medical devices and medical imaging. In his role in Google Arie is leading an engineering team building the next generation of cloud-based imaging solutions. Before joining Google as a Product Manager, Arie worked for GE Healthcare and Qualcomm in engineering leadership roles. Arie holds a B.Sc in Computer Science from the Technion and a PhD in Biomedical Engineering from UC Berkeley.

## **Report on “Cloud and AI as Drivers of Technology Innovation in the Healthcare Industry” (September 18, 2018)**

While artificial intelligence (AI) and Cloud seem to be buzz words these days, no one knows what the world may look like with the application of these technologies nor where we are headed in the area of healthcare.

On September 18, 2018, in his talk titled, “Cloud and AI as Drivers of Technology Innovation in the Healthcare Industry,” Dr. Meir shared with the audience the Google’s mission in healthcare and various initiatives Google Cloud is taking to shed a light on what future Google envisions for the healthcare industry.

Dr. Meir explained to the audience that with the introduction of electronic medical imaging in the healthcare industry, there are now over two trillion medical images a year globally that need to be stored for at least five to twenty-five years for legal purposes. This number is doubling every five years, creating a massive data storage cost for the healthcare industry. Google, with its mission to organize the world’s healthcare and life sciences data by making it accessible, secure and useful, is tackling this challenge by using their Cloud and deep machine learning technology to manage data under one platform without compromising its security nor its accessibility to those who need the data when they need it. In addition, Google’s cloud platform will allow all the data that are currently in siloes to be managed under one place and will allow for deep learning and advanced algorithm that offer insights for future health policies.

With such technological advancements, Dr. Meir informed the audience that the conversation in the US is shifting from why cloud to how cloud. He also shared with the audience several examples of start-up partners that are using AI deep learning for telemedicine in Brazil or another that uses AI powered algorithm for detecting bone age and development deficiency of children.

The talk was well received by over 60 participants, who actively engaged in a Q&A session with Dr. Meir.

