



Kyushu University Asia Week 2020

Zoom Seminar for Portable Health Clinic (PHC)

-Online healthcare and Telemedicine for the post COVID-19 era in Asia-

Date & Time: September 11 (Friday), 13:00-15:30 (Japan time)

12:00-14:30 (China & Malaysia time), 11:00-13:30 (Thailand & Indonesia time),

10:00-12:30 (Bangladesh time), 9:30-12:00 (India time)

To join, please register at:

<https://docs.google.com/forms/d/e/1FAIpQLSdVPYLksdQWHCN-svNdgkZ0omci60W1yHBguKEUUud78ZRhXw/viewform>

Background:

Due to the covid-19 pandemic and risk of being infected, many people are anxious about physically visiting healthcare facilities. Currently, we are facing double burden of diseases; COVID-19 as infectious disease and non-infectious diseases such as diabetes and hypertension in an aging society of Asia. To solve these issues, a remote online healthcare system called “Portable Health Clinic (PHC)” was renewed by Kyushu University (KU) and Grameen Communications (GC), Bangladesh in 2020 (Figure 1 & 2). PHC is an online e-health service system that allows mobile health check-ups and tele-medicine services remotely. In order to overcome post COVID-19 era, we need to work together with strong partnership and collaboration toward online healthcare research beyond country’s boundaries. We would like to propose a joint online seminar with our collaborative partners in Asia for following objectives.



Figure 1: Portable Health Clinic Box, Online Remote Patient, and Health Checkup Results with Four Color Codes

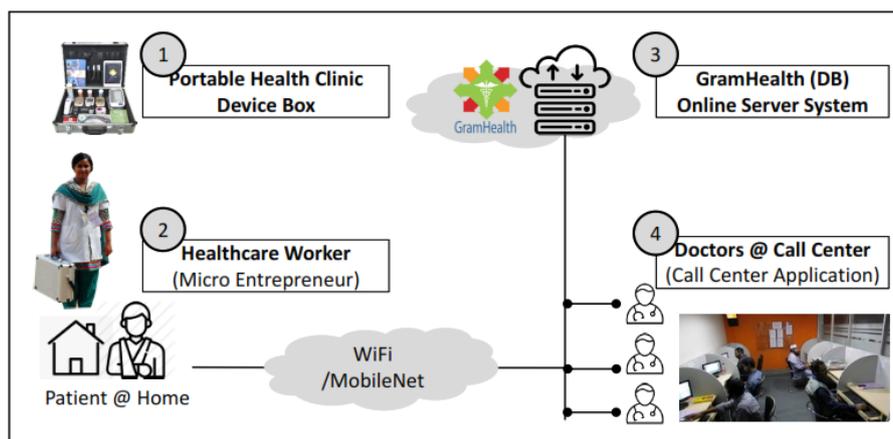


Figure 2: Portable Health Clinic (PHC) System

Objectives:

- (1) To introduce the renewed Portable Health Clinic (PHC) system with our collaborative research partners in Asia.
- (2) To learn about PHC's multi-language website, promotion video, and mobile apps which newly improved in 2020.
- (3) To share information on each country's situation & needs on telemedicine and online healthcare research/system in the post covid-19 era.

Expected Outcomes: After the online seminar, participants will have better understanding about the PHC system and promote telemedicine and online healthcare system possible using country specific PHC, customized to their country's needs in the post COVID-19 era.

Program Schedule:

MC: Fumihiko Yokota

13:00-13:10 (10 mins) Introduction by Prof. Naoki Nakashima

13:10-13:40 (30 mins) Explanation about PHC apps, website, and video by Dr. Ashir Ahmed

13:40-14:40 (60 mins) Presentation by each institute (6 x 10 mins)

#	Presenter	Presentation Title
1	Mr. Rajib Chowdhury	Use of Portable Health Clinic (PHC) to Tackle COVID-19 Situation: Technical and Social Challenges
2	Dr. Manish Biyani Dr. Manish Jain	Emerging SARS-CoV-2 variants and combating COVID-19 projection in diverse India
3	Dr. Yuandong Hu	Using 5G telemedicine, QR code, and other technologies to control COVID-19 Pandemic in China
4	Dr. Lutfan Lazuardi (5 mins) Dr. Nurholis Majid (5 mins)	Sustainable telemedicine and remote healthcare systems for covid-19 and non-infectious diseases in Indonesia Challenges and Opportunities on Telemedicine Implementation in the COVID-19 era in the field level
5	Dr. Helen Benedict Lasimbang Dr. Nicholas Pang Tze Ping	Designing an ethnosensitive and sustainable PHC model in Borneo Island using indigenous technology in the age of Covid-19: an experience to remember"
6	Dr. Faiz Shah Dr. David Galipeau	Job Creation and Healthcare Service Delivery: An Enterprise Model for PHC

14:40-15:25 (45 mins) Q & A and Discussion on "how to overcome challenges of telemedicine and online healthcare and make it sustainable in the post-covid-19 era".

15:25-15:30 (5 mins) Summary and Closing by Dr. Rafiqul Islam Maruf

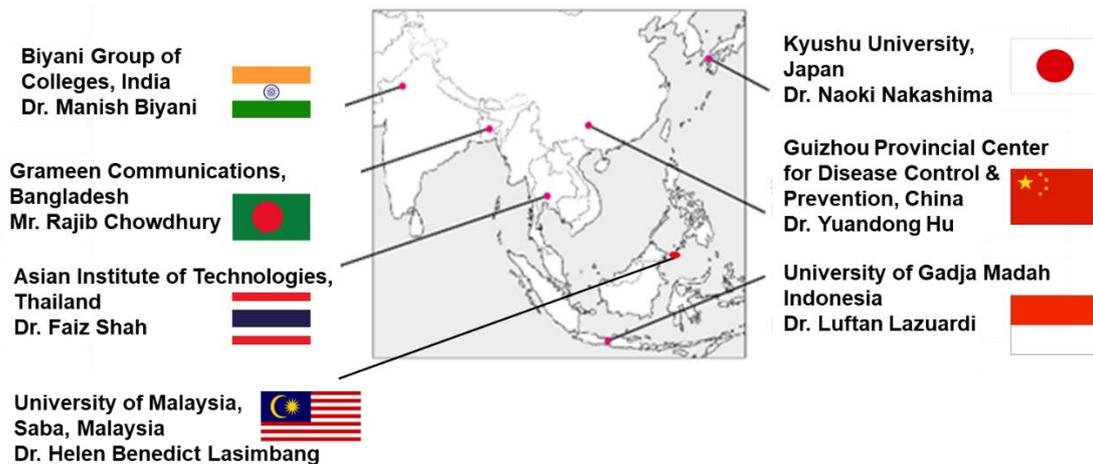


Figure 2: PHC Collaborative Partners in Asia

List of Seminar Participants (Country's alphabetic order):

#	Name	Affiliation	Title
1	Rajib Chowdhury	Grameen Communications, Bangladesh	Operation Manager
2	Yuandong Hu	Giuzhou Provincial Center for Disease Control, China	Chief Physician
3	Manish Biyani	Biyani Group of Colleges, India	Professor
4	Lutfan	University of Gadjah Mada, Indonesia	Assoc. Professor
5	Nurholis		Senior Researcher
6	Naoki Nakashima		Kyushu University Japan
7	Ashir Ahmed	University of Malaysia, Saba, Malaysia	Assoc. Professor
8	Rafiqul Islam Maruf		Assoc. Professor
9	Helen Benedict Lasimbang		Professor
10	Nicholas Pang Tze Ping	Asian Institute of Technology, Yunus Center & SDG Lab, Thailand	Associate Professor
11	Faiz Shah		Professor
12	David Galipeau TBC		YCA Near Future Lab

- MC: Fumihiko Yokota, Kyushu University, Japan

For More Information, please visit:

- Kyushu University Asia Week 2020 Home Page: <https://asiaweek.kyushu-u.ac.jp/en/>
- PHC Online Zoom Seminar Session Website: <https://asiaweek.kyushu-u.ac.jp/en/phc/>
- Asia Week Whole Program: <https://asiaweek.kyushu-u.ac.jp/en/programs/>
- Institute of Asian & Oceania Studies: <http://q-aos.kyushu-u.ac.jp/en/>

Seminar Participant's Short Bios (Random order):

Naoki Nakashima, MD, PhD

**Professor, Medical Information Center, Kyushu University Hospital, Japan
President of Japan Association for Medical Informatics**

Naoki Nakashima MD PhD is the Director/Professor (2014-) of the Medical Information Center of Kyushu University Hospital, and also Vice CIO of Kyushu University, Japan. He has been a specialist of diabetes mellitus for 30 years and simultaneously worked as a specialist of medical informatics for 17 years. He is the president of Japan Association for Medical Informatics (JAMI) from June 2019 for three years. He focuses on the disease management methodology of chronic diseases from primary to tertiary prevention with IT network including Personal Health Record (PHR), telemedicine, sensor network by IoT, data driven medical study, cyber physical system, and artificial intelligence.



Ashir Ahmed, PhD

**Associate Professor, Faculty of Information Science and Electrical Engineering, Kyushu University, Japan
Director, Global Communication Center, Grameen Communications, Bangladesh**



Dr. Ahmed's research aims to produce technologies to achieve social goals. Towards this goal, he established Global Communication Center (GCC) inside Grameen in Bangladesh, and developed a research team in Kyushu University, Japan. He led the team and produced numerous national and international projects e.g. *GramHealth* (a \$300 portable clinic for unreached communities), *GramCar* (a ride sharing model for rural communities), *GramAgri* (iFARM, ICT based farming and marketing platform) and *GramClean*. He promotes Social Businesses to Japanese organizations and assisted creating number of social businesses. He organizes an International Conference on "Healthcare, SDGs and Social Business" since 2017. After receiving Ph.D. from Tohoku University in 1999, he worked with Avaya Labs (former Bell Labs), and NTT Communications, Japan. His research interests include ICT for Development, Remote Healthcare, Social Business, and SDGs.

Rafiqul Islam Maruf, PhD

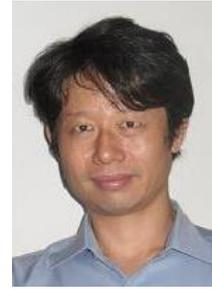
**Associate Professor, Medical Information Center, Kyushu University Hospital, Japan
Director, Global Communication Center, Grameen Communications, Bangladesh**

Dr. Rafiqul Islam Maruf is working as an Associate Professor at Medical Information Center of Kyushu University Hospital under Kyushu University, Japan. Before joining here, he has been working as a Director (Operations) of Global Communication Center, the ICT based R&D wing of Grameen Communications, Bangladesh. Earlier Dr. Maruf worked in Japanese IT industries for 12 years after completing his Ph.D. in Information Engineering in 1997 from Hokkaido University, Japan. Throughout his career, he has been involved in research and development of various ICT based social services in various fields including agriculture, education, environment, healthcare and telecommunication. The vision of Dr. Maruf is to see the world of "ICT for Humanity".



Fumihiko Yokota, Ph.D., MPH
Lecturer, Kyushu University Institute of Decision Science for a Sustainable Society, Japan

Fumihiko Yokota is currently a Lecturer at the Institutes of Decision Science for Sustainable Society at Kyushu University. He received a Master of Public Health at University of California, Los Angeles in 2001 and Ph.D. in Public Health & Tropical Medicine at Tulane University in 2007. He has more than 15 years of epidemiological research experience in over 10 countries including Indonesia, India, Bangladesh, Thailand, China, Papua New Guinea, and the United States. His research interests include international health, field epidemiology, social and cultural aspects of HIV/AIDS, and prevention of Non-communicable diseases.



Mr. Rajib Chakrabarty
Senior Business Development & Operations Manager,
Grameen Communications, Bangladesh

Mr. Rajib Chakrabarty did his Master Degree in Physics from Chittagong University, Bangladesh and after that he completed MBA (major in Finance) from Asian University of Bangladesh. Throughout his 12 years of professional career, Mr. Rajib worked in multi-dimensional sector which includes corporate company, national & international NGOs', UN organization and research organization. His specialization is in Project Operations, Monitoring & Evaluation of Project, HR & Administration and Business Development. He aims to create a sustainable business model for young healthcare entrepreneurs who is willing to ensure healthcare facility to the unreached community of Bangladesh at an affordable price.



Yuandong Hu, MD.
Chief Assistant Physician, Institute of Chronic Disease, Provincial Center for Diseases Control; Guizhou, China

Dr. Hu Yuandong is a chief assistant physician of chronic disease management. He has been an ICU doctor in Guizhou Provincial People's Hospital from 2008-2013. Then he studied for the doctor degree of Anesthesia in West China Medical University. From 2017, he has worked as a government employee of public health field. In the last two years, he has developed several information tools of health management. He is the lead conductor of a provincial Internet Hypertension Management System project, and the major conductor of a national Diabetes High Risk Population Early Intervention project, and a provincial Out-of-Disease-Caused-Poverty project. He is also a popular science author. Hundreds of his articles have been published in many national media of China, these articles are read for dozens of millions times. Now he is writing a series of articles to introduce the important public health policies and progress of China to the world.



Lutfan Lazuardi, MD, Ph.D.
Associate Professor, University of Gadjah Mada, Indonesia

Dr. Lutfan Lazuardi is the group leader at the Master Program of Health Management Information System (SIMKES) and the deputy of the Department of Health Policy and Management at the Faculty of Medicine, Public Health and Nursing, Universitas Gadjah Mada, Indonesia. He obtained the degree of Medical Doctor (1999) and Master of Public Health (2002) from Gadjah Mada University, Indonesia. He earned PhD from Innsbruck Medical University in 2006. He served as the vice-head of Indonesia Association of Health Informatics (PIKIN) between 2012-2015, and involved in the development of the Indonesian Health Informatics Forum, a national forum aim to strengthen the health information system among different stakeholders in Indonesia. He has been involved in various projects related to public health informatics at regional and national level in Indonesia. Currently he has been involved in the scale up of the telemedicine project as well as the investigator of the payment mechanism for telemedicine in collaboration with Indonesian Ministry of Health and BPJS Kesehatan (The Indonesian Healthcare and Social Security Agency)



Nurholis Majid, MD
Director, Perkumpulan Sinergi Sehat, Indonesia

Medical Doctor and Public Health Master was from Gadjah Mada University. He has a lot experiences on health system development, from maternal and child health, HIV, malaria, tuberculosis and others since 1999. He has pioneer to develop national information system on HIV and tuberculosis in Indonesia. He served to develop information system for some ministries in Indonesia. As he concerned with marginalized people, he led the process for vulnerable people protection through community surveillance and telemedicine.



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Manish Biyani, PhD
Director, Biyani Group of Colleges, India
President, BioSeeds Corporation, Japan
Professor (Visiting), JAIST and Kwansei Gakuin University, Japan



Dr Biyani graduated in Pharmacy (1996) from Rajasthan University, India and received ME in Bioengineering (2001) and PhD in Biological Science (2004) from Saitama University, Japan. After acquiring higher education in Japan, Dr Biyani built a career in the field of Biotechnology and was invited as Research Scientist to join two major national projects of JST (Japan Science and Technology) for 10 years from 2004 to 2013, where Dr Biyani used nanobio-device tools to develop high-speed molecular evolution reactor for screening novel and highly-functional bio-molecules and bio-drugs. Dr Biyani invited to join The University of Tokyo as Assistant Professor (Research) from 2009-2013 and JAIST as Associate Professor (Research) from 2014-2018. Dr Biyani has co-authored 16 patents and 42 peer-reviewed journal papers. He also edited 2 books, 5 book chapters, delivered 2 keynote talks and 40 invited talks worldwide and participated in over 120 national or international conferences. Along the way, Dr Biyani built and headed many new startups and platforms for India-Japan collaboration as founding director in India (Biyani Group of Colleges and Biyani BioSolutions Pvt Ltd) and in Japan (BioSeeds Corporation). Dr Biyani has pursued a career in basic research in biotechnology and its extended application in various fields including medicine and Healthcare. His major areas of research interest include Molecular Evolutionary Engineering, Low-cost molecular diagnostics, Bio-drug discovery, DNA-based nano architecture, Functional Proteomics and Biosensors. Dr Biyani is the recipient of several prestigious awards, with the most representative being 2006 JB OUP award from International Union of Biochemistry and Molecular Biology, 2012 The photopolymer science and technology award from Photopolymer society Japan, and 2018 The Japan Foreign Minister's Commendation award in recognition of his key role in promoting grass-root level people-to-people exchange between Japan and India.

**Dr. Faiz Shah, Director, Yunus Center Asian Institute of Technology,
& President, Yunus Thailand**



Dr. Shah leads innovation-centered initiatives including the Yunus Centre AIT, the SDG Lab, and the Analytics Academy, with faculty affiliation at the AIT School of Management, where he leads the Yunus Masters in Social Business and Entrepreneurship. Since 2012, his team has collaborated with Kyushu University and Grameen Communications, piloting the Portable Health Clinic in Pakistan. Over a 40-year international change management and capacity-building career as educator and innovation leader in the public, private and social sectors, Dr. Shah has advised government- and UN agencies in over a dozen countries, working with Fortune 500 companies, groomed over 3,000 grassroots change catalysts in Cambodia, Nepal, Pakistan, and Sri Lanka, and overseen over 300 community-level development projects in diverse communities across Asia- Pacific. Joining the permanent faculty of Community Medicine at Allama Iqbal Medical College in 1986, and has since lectured at the Ross Business School, Punjab University, and the Wharton School. He has contributed developing recognized industry standards such as SA8000 and GRI. His cases appear in textbooks including Marketing Practices in Developing Economy: Cases contributions to textbooks include "Responsible Business Guide: A Toolkit for Winning Companies" (CIPE-RBI-ACCA 2010), and "When Stories Teach" (AIT Press/ UTP Press 2020). He is an editor of the International Journal of Social Business and the Journal of Applied Social Business Research. His most recent publication is the authorized Urdu edition of A World of Three Zeroes by Muhammad Yunus (AITPress 2019) Dr. Shah is visiting professor at the College of Innovation at Thammasat University and lectures at Kasetsart University and Rangsit University. He has served on the AIT Board Staff Relations Committee since 2012.

Helen Benedict Lasimbang

Professor, Consultant Obstetrician and Gynaecologist, Chief Executive Officer, Hospital Universiti Malaysia Sabah Universiti Malaysia Sabah, 88400 Kota Kinabalu, hbl66@ums.edu.my



Professor Dr. Helen Benedict Lasimbang is a consultant Obstetrician & Gynaecologist and the director of Hospital Universiti Malaysia Sabah (HUMS) which expected to be operational in mid of year 2022. She obtained her Medical degree from University of Malaya in 1991 and completed her specialist training in 1998 from University of Malaya. She worked as clinician in public and private sector in Malaysia for 12 years and 9 years respectively before joining the university in 2012. She previously held the position of head of Reproductive health department, deputy dean clinical services, deputy dean postgraduate and research of Faculty of Medicine and Health Sciences, UMS before being appointed to this current position in 2018. She is passionate about transforming the way healthcare is delivered in Sabah especially communities that have difficulties accessing quality healthcare. This is addressed in SMART HUMS concept. To achieve this, one of the projects she is currently implementing is the portable health clinic; delivering healthcare to rural communities of Sabah as part of SMART HUMS concept.

Dr. Nicholas Pang Tze Ping

Acting deputy clinical director of Hospital Universiti Malaysia Sabah (UMS)

Dr Nicholas Pang is a psychiatrist and acting deputy clinical director of Hospital Universiti Malaysia Sabah (UMS). He graduated from Newcastle University with an MBBS in 2011, and completed his specialist training in Psychiatry in 2018 from Universiti Putra Malaysia. His research interests include community-based research and medical humanities, instrument validation, and consultation liaison psychiatry. He is currently involved in various community projects including a large scale ethnocentric pilot project to kickstart the PHC in Kudat district, Sabah, Borneo island, Malaysia. He also spearheaded development of the HUMS Tanya Pakar online telemedicine system, and is currently collaborating with the UMS Faculty of Computing and Informatics to build a smartphone application called OHIDAS that focuses on health promotion and primary prevention, with shared decision-making tools and in-built uberisation modules.

