

「Asia-Pacific Medical Network Project in  
Kyushu University Hospital」 TEMDEC  
(Telemedicine Development Center of Asia)  
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## 9. Visit to Overseas Institutions

### 9-1. Institutions

MM/YY	Institution	City, Country	Field of expertise	Attendance
Mar., 2017	Hospital Civil of Guadalajara University of Guadalajara Corporacion Universitaria para el Desarrollo de Internet	Guadalajara, Mexico	Endosc. Remote education	M.D 1 Eng. 1
Apr., 2017	Cho Ray Hospital University Medical Center HCMC	Ho Chi Minh, Vietnam	Endosc. Radiology Remote education	M.D 2 Eng. 2
Apr., 2017	Kyrgyz Turkish Manas University General Health Department of the Hospital administrated by the Executive Office of the President of the Kyrgyz Republic National Center Cardiology and Therapy named after M. Mirrakhimov Kyrgyz State Medical Academy named after I.Ahunbaev National Hospital of the Ministry of Health	Bishkek, Kyrgyzstan	Endosc. Remote education	M.D 1 Eng. 1
June, 2017	San Lazaro Hospital The WHO Regional Office for the Western Pacific St. Luke's Medical Center Quezon City Philippine General Hospital Makati Medical Center St. Luke's Medical Center Global City	Manila, the Philippines	Surg. Infection Remote education	M.D 3 N.s 1 Eng. 1 Admin. 1
June, 2017	RIPAS Hospital Jerudong Park Medical Centre Universiti Brunei Darussalam	Bangar, Brunei	Endosc. Remote education	M.D 2 Eng. 1 Admin. 1
July, 2017	University of Costa Rica San Juan de Dios Hospital San Vicente de Paul Hospital	San Jose, Costa Rica	Remote education	M.D 1 Eng. 1
July, 2017	Lobachevsky K+31 Clinic Yaroslavl Regional Cancer Hospital* Yaroslavl State Medical University	Moscow, Russia	Surg. Endosc. Remote education	M.D 2 Eng. 1
Sept., 2017	Cho Ray Hospital	Ho Chi Minh, Vietnam	Endosc.	M.D 2
Oct., 2017	University of Medicine 1, Yangon Yangon General Hospital New Yangon General Hospital	Yangon, Myanmar	Remote education	M.D 1
Nov., 2017	University of Indonesia Cipto Mangunkusumo Hospital	Jakarta, Indonesia	Remote education	M.D 2
Dec., 2017	Universiti Sains Malaysia National University of Malaysia Sunway Medical Centre	Kuala Lumpur, Malaysia	Endosc. Surg. Remote education	M.D 3 Eng. 3
Jan., 2018	Fudan University Zhongshan Hospital Shanghai Jiaotong University affiliated Shanghai First People's Hospital	Shanghai, China	Endosc. Surg.	M.D 8 Eng. 1
Jan., 2018	Chulalongkorn University Mahidol University	Bangkok, Thailand	Remote education Surg.	M.D 3 Eng. 1 Admin. 1
Jan., 2018	Hue University of Medicine and Pharmacy Hue Central Hospital	Hue, Vietnam	Endosc.	M.D 2
Feb., 2018	National Taiwan University Chang Gung Memorial Hospital, Linkou Taipei Medical University	Taipei, Taiwan	Surg. Internal M Pharmacy Nursing Radiology Medical Technology Medical Information	M.D 3 N.s 2 Pharm. 1 Eng. 3 Admin. 4

## 9-2. Report

### 9-2-1. Ho Chi Minh City, Vietnam

Purpose: Participation in a conference / Visit to major hospitals in Ho Chi Minh City

Period: April 18th – 21th, 2017

#### University Medical Center Ho Chi Minh City (UMC HCMC)

UMC HCMC is affiliated to Ho Chi Minh City Medicine and Pharmacy University. We met endoscopists, surgeons and ICT engineers and discussed future collaborations plan there. The number of endoscopic surgeries is increasing year by year and many patients gather from the southern part of Vietnam. As a base hospital in the area, they are focussing on endoscopic traing programs for doctors and students in rural area hospitals. A new hospital was completed in 2015. We took a tour of the endoscopic department and telemedicine facilities.

#### Cho Ray Hospital (CRH)

CRH is the largest government general hospital under the Ministry of Health in the south part of Vietnam. We attended the Cho Ray Annual Scientific Conference 2017 and had presentations. There are some Japanese participants from Univeristy of Tsukuba, Shiga Medical University and JICA. There were 2 nurses who can speak fluent Japanese, who helped in interpreting and explaining the Vietnamese lectures to the Japanese participapnts. After the conference, we visited the teleconference room and rehabilitation department and met the staffs in each department.

(Yoshiko Houkabe)



Figure 9-1 Doctors and engineers of UMC HCMC



Figure 9-2 An auditorium in new hospital



Figure 9-3 Main venue for the conference



Figure 9-4 A teleconference room in CRH

## 9-2-2. Kyrgyz Republic

Members: Shuji Shimizu, MD / Yasuichi Kitamura, Engineer

Period: April 23rd – 27th

Place visited:

- Kyrgyz-Turkish Manas University (CRNC2017 venue)
- General Health Department of the Hospital administrated by the Executive Office of the President of the Kyrgyz Republic
- National Center Cardiology and Therapy named after M. Mirrakhimov
- TV Studio
- Kyrgyz State Medical Academy named after I. Ahunbaev
- National Hospital of the Ministry of Health

Result:

1. Attendance to the 2nd Central Asia Research and Education Network Regional Networking Conference (CRNC2017): CRNC2017 was held at Kyrgyz-Turkish Manas University. Dr. Shimizu had a presentation about the telemedicine activity of TEMDEC and a discussion with participating doctors in CRNC2017.
2. Hospital Tour: Dr. Shimizu and Mr. Kitamura visited 4 medical institutions and held an open forum regarding the activities of telemedicine. In addition, Dr. Shimizu had a speech in a medical TV program.



Figure 9-5 Presentation in CRNC2017

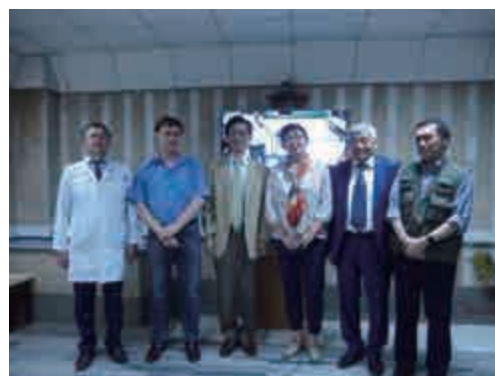


Figure 9-6 Group photo of hospital tour



Figure 9-7 Discussion in hospital tour



Figure 9-8 A picture in TV studio

(Shunta Tomimatsu)

## 9-2-3. Manila, the Philippines and Brunei

### June 13 – 15, visit to Manila, the Philippines

#### 1. San Lazaro Hospital/SLH

SLH is a public hospital specialized in infectious disease, established in 1577, located in northern part of Manila. It has national research facilities for HIV-AIDS, hepatitis, and STDs. The government supports SLH, so that this hospital can provide free medical services to patients. Nagasaki University, Japan, has an office in the hospital, “Nagasaki office”. We had an opportunity to meet Dr. Nobuo Saito of Nagasaki University.



Figure 9-9 Nagasaki Office

#### 2. The WHO Regional Office for the Western Pacific

We had a meeting with Dr. Jun Gao, the Regional Adviser, and Dr. Morishita as well as Dr. Makino from the Ministry of Economy, Trade and Industry, Japan. Dr. Alvin Marcelo of PGH-UPM, who used to work in that office, helped us to make this visit. In the discussion, we exchanged opinions on Asia eHealth Information Network (AeHIN) in addition to telemedicine activities.

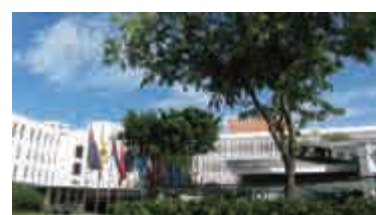


Figure 9-10 WHO Regional Office

#### 3. St. Luke's Medical Center/SLMC Quezon City

SLMC is one of the biggest private hospital in the Philippines. It is accredited by JCI, it also has won many awards. Dr. Jeffrey Domino, who is very active in telemedicine, and several other doctors and staff attended in the meeting and discussed about future collaboration between SLMC and Kyushu University. After that, a separate meeting for the 2nd Philippine telemedicine workshop in November was held.



Figure 9-11 Discussion with SLMC team

#### 4. University of the Philippines Manila/UPM, Philippine General Hospital/ PGH

We visited PGH in the morning and participated to the UP Manila-TEMDEC Telehealth Forum, organized by Dr. Alvin Marcelo. In the afternoon, we were invited to join Grand Rounds, managed by the PGH surgical team. Some sites in the Philippines and Kyushu University Hospital were also connected to this Grand Rounds. Mr. Darwin C. Laurencio, who attended Train-the-Trainer program at TEMDEC in the year before, technically supported the teleconference. We were so proud to see him organizing the technical matter well.



Figure 9-12 A photo of remote sites, taken at PGH

#### 5. Makati Medical Center/MMC

MMC is other one of the biggest private hospital in the Philippines. It is located in Makati City, the business district of Metro Manila. Because MMC is a private hospital, it was not connected to REN of the Philippines. It seemed that they are not active in telemedicine at that



point, however, Dr. Johnny B. Sinon and doctors of MMC were aware of benefits of telemedicine. Dr. Catherine Teh, who had been leading telemedicine activities in the Philippine over the past years, also advised them how they could improve technical environment. We hope to have future collaborations with MMC as well as other sites in the Philippines.

#### 6. St. Luke's Medical Center/SLMC Global City

SLMC has another hospital in Global City. It is comparatively newer than the SLMC in Quezon City. They have a very organized system to receive foreign patients. They gave us a very warm welcome, and the staff from marketing department came along with us for the hospital tour. We also had a chance to meet Mr. Nathanael Cariaga, the head of network of SLMC.

#### June 16, 2017 Visit to Bandar Seri Begawan, Brunei

#### 7. Raja Isteri Pengiran Anak Saleha Hospital (RIPASH)

RIPASH is one of the biggest hospital in Brunei located at the heart of the capital. We visited there on Friday, which is a non-working day in Brunei, but they gave us a warm welcome. Temburong, an enclave located in easternmost district, is isolated from the rest of Brunei. Aside for its geographical disadvantage, they also have shortage of medical doctors, at the same time, they have so much demand for telemedicine. A national project called “Brunei Darussalam Healthcare Information and Management System (BRU-HIMS)” has started in 2011, connecting 66 medical institutions in Brunei. We found out that the project includes telemedicine in its future plan.

#### 8. Jerudong Park Medical Centre/ JPMC

JPMC is a huge private hospital which is first hospital accredited by JCI in Brunei. They have a very adequate security system: each visitor has to show passport or an ID to receive a visitor pass in order to enter the facility. We found that they have frequent telemedicine activities, especially with Germany. They showed us a telemedicine system, explaining how they take advantage of it.

#### 9. University Brunei Darussalam/ UBD

UBD is a national university established in 1985. We had a discussion on future telemedicine activity and human exchange to expand collaborations. We learned that in Global Class in UBD, they use telemedicine system to connect with Japan, Taiwan, Malaysia and Singapore, and give lectures.

We would work continually for expansion of telemedicine, as well as for the globalization of Kyushu University.

(Ryoko Yoshida)



Figure 9-13 From left: Dr. Raymund, Dr. Sinon, Dr. Caedo and Dr. Teh



Figure 9-14 Hospital tour at SLMC



Figure 9-15 From left: Mr. Poh, Dr. Ady, Dr. Shimizu, Dr. Edwin, Dr. Aso



Figure 9-16 A photo at JPMC



Figure 9-17 From left: Dr. Nik, Dr. Faye, Dr. Suwarni

## 9-2-4. Russia

From July 24th to 26th, Prof. Shimizu, Prof. Yao of Fukuoka University Chikushi Hospital, Mr. Kitamura and I visited Russia, where is one of the high prevalence countries of *Helicobacter pylori* infection and gastric cancer. The purposes of this trip were to see the current situation in Russia, to share the medical knowledge and experiences of gastric cancer and to discuss future collaboration via telemedicine.

We visited Lobachevsky K+31 Clinic in Moscow and Yaroslavl Regional Cancer Center Hospital in Yaroslavl. In these 2 advanced institutes, there were a few endoscopists who were familiar with Japanese style endoscopic diagnosis and treatment, such as magnified Narrow Band Imaging (NBI) examination and endoscopic submucosal dissection (ESD). However it is still difficult to provide advanced medical education to all Russian doctors, because Russia has a vast extent of territory. Through this experience, we were convinced that we could raise the overall medical educational level of overall Russian doctors through by bilateral telemedicine.



Figure 9-18 Discussion in Lobachevsky K+31 Clinic



Figure 9-19 Group photo at Lobachevsky K+31 Clinic in Moscow



Figure 9-20 Visit to endoscopic unit



Figure 9-21 Discussion in Yaroslavl University

(Tomohiko Moriyama)

## 9-2-5. Kuala Lumpur, Malaysia

### Hospital tour in Malaysia

Date: 13 (Wed), December 2017

Venue : University of Malaya Medical Center, University Kebangsaan Malaysia Medical Center  
Sunway Medical Center, Malaysia, Kuala Lumpur

### University of Malaya Medical Centre

Dr. Ida (Professor of the Endoscopy Center, Professor), together with the Endoscopy, Biliary and Pancreatic Surgery, and Neurology staff attended the event and a discussion was held. Following the presentation on TEMDEC, a discussion was held on the possibility of hosting a remote case conference where doctors from neurology, surgery, pathology and radiology can participate.

### Universiti Kebangsaan Malaysia Medical Centre (UKMMC)

Dr. Sadakari introduced TEMDEC and visited the endoscopy room and operating room. It was very impressive that tele-education, such as informative lectures, were carried out regularly from UKMMC to other remote hospitals between the 5th and 6th grade students of the medical school as part of their clinical training. We talked with the president, also, about possible further collaborations in the field of telemedicine.

### Sunway Medical Center

Dr. Aso made a presentation about the activities of TEMDEC and OVEX. We were, also, able to tour a radiation therapy facility (γ knife). It was a newly established hospital which focused on highly specialized medical care centered for private insurance patients. This hospital has been able to treat a total of 26 thousand people in 130 countries already targeting Indonesia, China, India and the Middle East. After establishing an office in the major cities, there were able to establish an efficient system that allowed hotel and transport arrangements without language barrier.

There are only 20 full-time staff, however the hospital offers rooms, staffs, and equipment to individual doctors who stand as individual business owners. They get medical costs and hotel cost from patients, and rent from doctor. We discussed future plans about telemedicine for D to P.

(Akira Aso)



Figure 9-22 With Dr. Ho



Figure 9-23 UKM hospital entrance



Figure 9-24 Sunway Medical center's  
lecture



Figure 9-25 Latest equipment in Sunway  
Medical center