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Activity Report of Asia-Pacific Medical Network Project in Kyushu University Hospital : Vol.8

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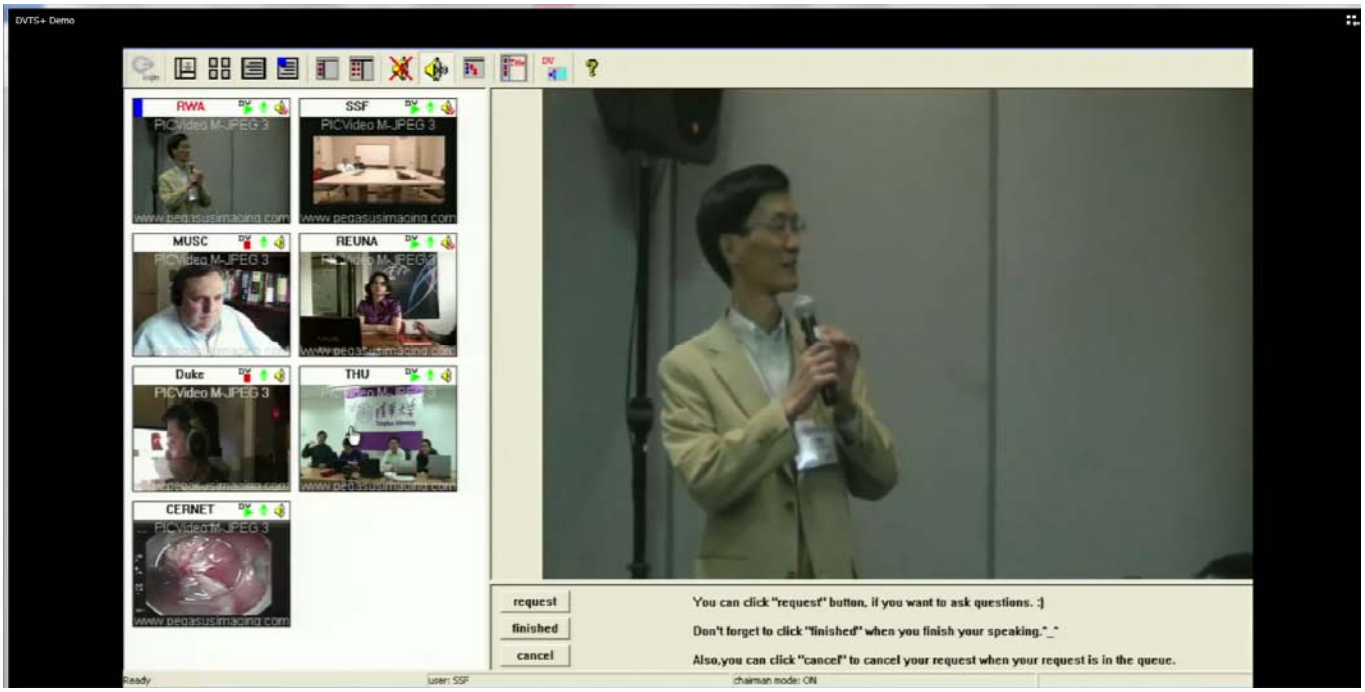
https://doi.org/10.15017/24623

出版情報：Activity Report of Asia-Pacific Medical Network Project in Kyushu University Hospital. 8, 2012-03. TEMDEC事務局
バージョン：
権利関係：

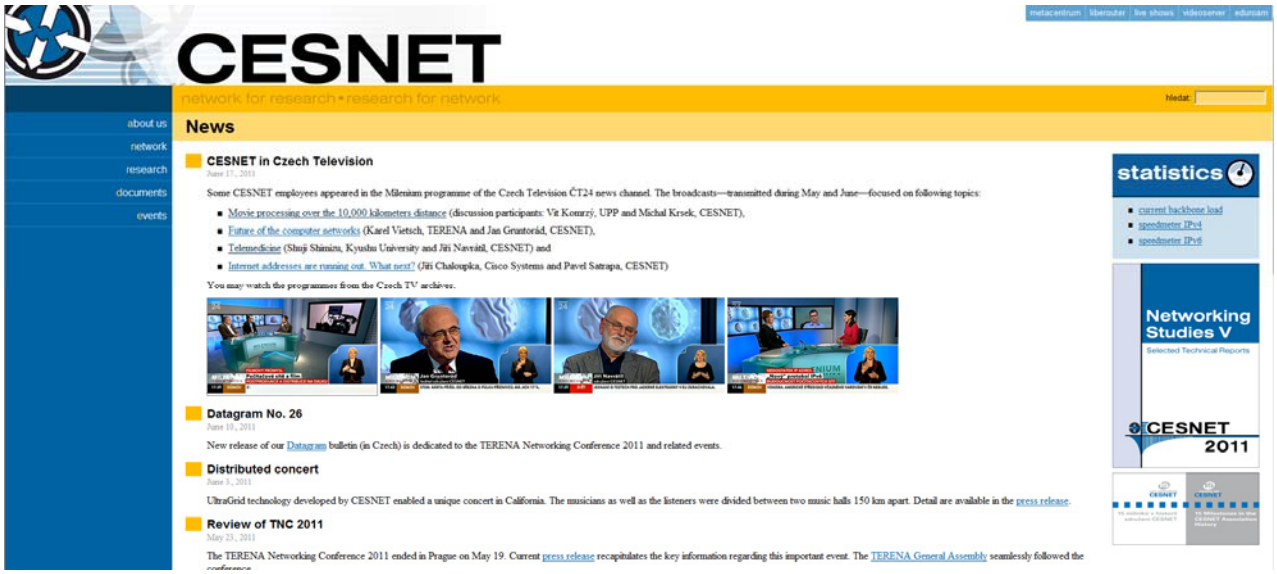
References 2

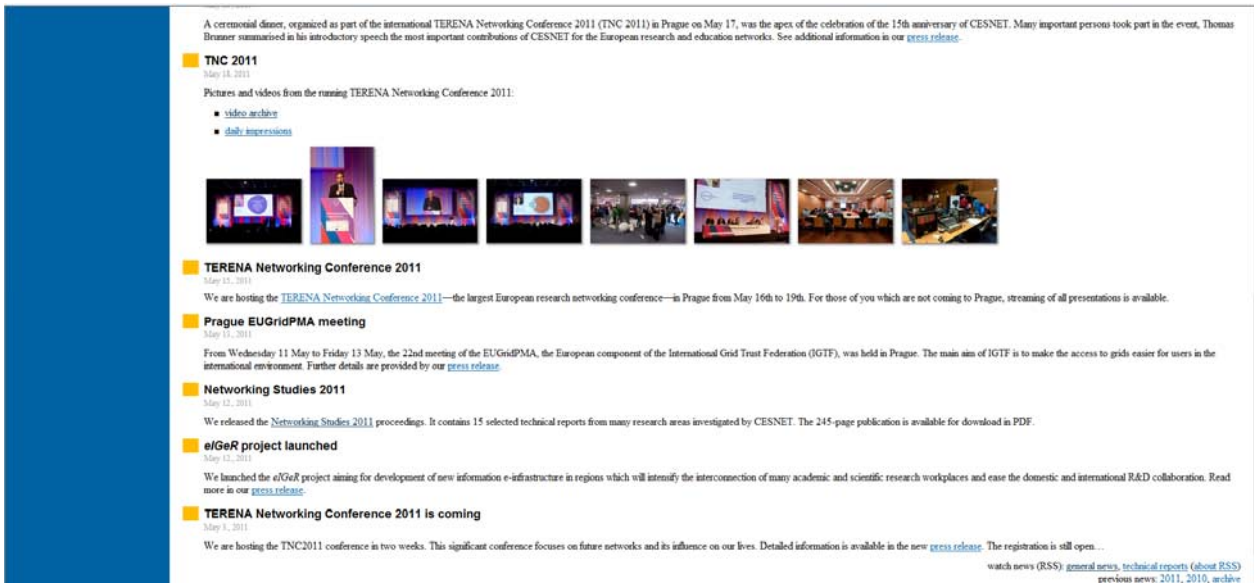
Reported press and others

1. Seattle Science Foundation - DVD, 2010



2. CESNET -Czech NREN Operator homepage, May 2011





3. You Tube, May 16-19, 2011

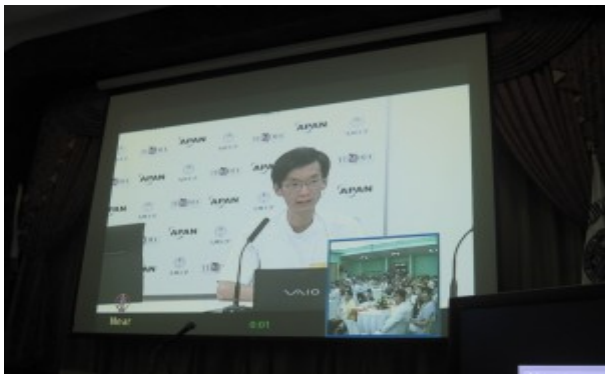
4. CESKA TELEVIZE CT24 “MILENIUM”, Prague, May 18, 2011

5. Fukuoka Broadcasting System Corporation, May 29, 2011

6. PREGINET homepage, October 28th, 2011

VMMC and their big push for telehealth

Posted on: October 28th, 2011



The Veterans Memorial Medical Center (VMMC) once again tried a telehealth session assisted by the Philippine Research, Education and Government Information Network (PREGINET) last 26 October 2011 held at the VMMC Valdes Hall.

Said telemedicine session, dubbed as Phacoemulsification Conference 2011, was attended by different eye doctors in Metro Manila who are practicing Phacoemulsification Cataract Surgery. The conference was also participated in by Dr. Shuji Shimizu of the Kyushu University Hospital in Japan, as well as Mr. Renato C. Doctor, Officer-in-Charge of the Philippine Heart Center's Hospital Information System.

Dr. June Mendiola, Head of the VMMC Department of Ophthalmology said that it was their first time to tap the PREGINET in assisting VMMC in this big event. "Mr. Bayani Benjamin R. Lara of the Department of Science and Technology (DOST) introduced telehealth to VMMC which is not yet used in Phaco Conference," said Dr. Mendiola.

Phaco Con 2011 being the first eye telehealth

Phaco Conference is a regular event staged by the Philippine Society of Cataract and Refractive Surgery. Usually, eye doctors bring their respective recorded surgery videos to show and share their experiences in Phacoemulsification Surgery. However, telehealth came into light in their last session in 2011 through the help of the PREGINET.

"We recognize the use of this telehealth, with the help of the DOST people, as an option to sustain the teleconferencing probably in the future [conferences] without moving from one place to another. We can stay in our respective hospitals or even in our respective homes through live streaming or video conferencing and continue discussing things without the need to travel," Dr. Mendiola explained.

Dr. Shimizu commended the initiative of the VMMC and PREGINET in showcasing the very first eye telehealth because according to him, the Asia Pacific Advanced Network (APAN) only conducts telehealth on thorascopic, laparoscopic, endoscopic and oncological surgeries. He also said that the APAN would fervently welcome the next telehealth on eye surgery.

In time, the Philippine Society of Cataract and Refractive Surgery hopes to apply the telehealth technology in the Society's future activities, specially, those that are beneficial for the learning of the eye doctors.

"We would like to thank the DOST people for assisting us in this event. This is very promising," said Dr. Richard C. Kho of the American Eye Center.

The PREGINET-assisted technologies

Telehealth uses various technologies such as telephones, satellite technology, and videoconferencing facility to remotely consult with the specialists or diagnose patients.

In the Phaco Conference 2011, the PREGINET gave technical assistance on the following technologies:

- **Videoconferencing.** The PREGINET had an H.323 videoconferencing with the Kyushu University and Philippine Heart Center in Manila.
- **Video Streaming.** A live streaming was done and the eye doctors who were not present at the event could view the session via mobile devices.
- **Digital Video Transport System (DVTS).** DVTS, which is a free and open source software, was used by PREGINET to deliver the live surgery in the operating room. This was done by using the current VMMC network infrastructure and a sending machine that used Ubuntu Linux as its operating system.

"This is the same technology being used by advanced research networks in doing telemedicine across the globe. I am glad the ophthalmology doctors in VMMC took the initiative of working with us and adapting it to a government hospital setting," said PREGINET Multimedia Engineer Alvin M. de Gracia.

7. Brunei International Medical Journal, pp 354-355, December 15,2011

Personal Perspective ***Brunei Int Med J.*** *2011; 7 (6): 354-355*

Endoscopy attachment in Japan

Norwani BASIR,
Division of Gastroenterology and Hepatology, Department of Medicine,
RIPAS Hospital, Brunei Darussalam

I had the wonderful opportunity to go to Japan under the sponsorship of Kyushu University Hospital, Fukuoka Japan (Panel) for a two week endoscopy attachment (6th September to 20th September 2011). The Department of Diagnostic and Therapeutic Endoscopy of Kyushu University Hospital, Fukuoka won a grant to sponsor trainees from the Asia-Pacific region to be attached in their endoscopy centre.

Fukuoka, or Hakata, is a fairly modern and the largest city located on the northwest of Kyushu . Voted number 14 in 2010's poll of the World's most livable cities, Fukuoka is praised for its green spaces in a metropolitan setting. Divided into two areas by the Nakasu river, Hakata is the business district, and Tenjin the shopping district, the Japanese version of Oxford Street, London.

On the day I arrived, I went to Kyushu University Hospital (15 minutes by subway) and met Professor Shuji Shimuzu who was in charge of the programme. I was informed that they have 15 doctors who come annually for attachment. I was introduced to other trainees in the programme from Thailand, Singapore, South Africa, New Zealand, Indonesia at different levels of their training and was given timetable for my two week stay.

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The attachment started at 9am and usually finished by 5.30pm. The hospital is a new and modern and has its chain American coffee branch and Subway restaurant in the foyer. A cheaper option for lunch is at the students' union building, which sells okay-food for 380 yen (BND $6), the cheapest meal I ever had during my stay. The endoscopy suite is a well equipped, contemporary unit with eight procedure rooms and a very comfortable waiting area. It has a separate medical data room where all digitalised images from the procedures are collated and reported.

Japan has the highest incidence of Gastric cancer. Hence, early gastric cancer screening is patient. Endoscopic intubation is performed up to

BASIR. ***Brunei Int Med J.*** *2011; 7 (6): 355*

Panel of the left: Prof Kenshi Yao (seated in blue uniform). Panel on the right: Team with Prof Uedo seated to the far left

third part of the duodenum and viewed meticulously with white light endoscopy. For each procedure, up to 40 images are captured. The endoscopist will then perform chromoendoscopy with indigo carmine and areas that are not taken up by the dye will be evaluated with a mini-probe Endoscopic Ultrasound (EUS) and Narrow Band Imaging (NBI). Morning sessions are dedicated to early gastric cancer (EGC) screening with 30 procedures per day carried out. Afternoons are usually booked for colonoscopies (what amazing bowel preparations!), and therapeutic endoscopies such as Endoscopic Submucosal Dissections (ESD) and Endoscopic Mucosal Resections (EMR). Language was not a problem as the endoscopists speak good English and taught us during the procedures.

The endoscopists, like in Brunei Darussalam, comprise of both the gastroenterologists and the surgeons. In Japan, the radiologist with a GI interest also performs endoscopy. I spent a day at Fukuoka University Chikushi Hospital with Professor Kenshi Yao, the pioneer of Magnification Endoscopy. A gastroenterologist by profession, he is also cum radiologist and pathologist, performing barium studies and looking into specimens that he had resected or biopsied.

I was also attached to the Osaka Medical Centre for cancer and cardiovascular diseases under the supervision of Professor Noriya Uedo, the person who made this Japan attachment possible. Transportation was sponsored and used the Shinkansen, (bullet train that travels up to 300km/hr) costing $415. He and his team were very help ful and taught the basic techniques of ESDs, EMRs and Auto Fluorescence Imaging (AFI). Apart from arranging accommodation, Professor Uedo also took his time to bring me around Nara and Kyoto during the weekend.

Had I been able stay for a month, I would have spent a few days at the National Cancer Centre Tokyo. Overall, I have learnt a great deal, procedures that we don't do in Brunei Darussalam and rarely done even in Singapore. This experience has exposed me to the advance diagnostic and therapeutic techniques that are available in Japan, and not currently used in Brunei Darussalam. Japan, being the forefront in the endoscopic field, has taught me the importance of using different diagnostic techniques to achieve precise diagnosis especially in early gastric cancer screening. Chromoendoscopy, Magnification Endoscopy with NBI, AFI, interventional EUS are a few of many I have learnt during my short stay, together with different therapeutic techniques such as ESD, EMR, oesophageal dilatation (CRE-TTS method) and Photodynamic therapy.

I am very grateful to Professor Shuji Shimuzu of Kyushu University Hospital for the opportunity and privilege to come as a visiting scholar. It was an honour to have had been taught by Professor Kenshi Yao and to Professor Noriya Uedo for imparting valuable knowledge and generosity. I hope some of the techniques will be introduced to Brunei Darussalam. As this is a yearly programme, budding endoscopists (physicians and surgeons) have this wonderful opportunity, at the same time to enjoy the wonderful and rich culture and language of the land of the rising sun.

8. NHK, February 16, 2012

Medical institutions connection list of telemedicine(1/3)

24.FEB.2012

Tele-Medicine Development Center of Asia（TEMDEC）

◇Medical Institutions & Universities

*Only connected by H323 or Vidyo.

Nation	Medical Institution
Japan	・Kyushu University Hospital ・National Cancer Center（Tokyo） ・Sapporo Medical University ・Iwate Medical College ・Nagasaki University ・Fujimoto-Hayasuzu Hospital ・Kyoto Second Red Cross Hospital ・Tokyo Medical and Dental University ・Japanese Red Cross Kyushu International College of Nursing ・Tomishiro Central Hospital ・Oita University ・Fukuoka University ・Kyoto University ・Sapporo Tokushukai medical center ・Yamaguchi University ・Tokai University ・University of Occupational and Environmental Health, ・Fujita Health University Hospital ・J&J Medical Innovation Training Center（MIT） ・The Cancer institute Hospital of JFCR ・Tokyo Science foundation（TSF） ・Kobe University ・Hokkaido University ・Hiroshima University ・Saga University ・National Center for Child Health and Development ・Shonankamakura General Hospital ・Gifu University ・The University of Tokushima ・Kanazawa University ・Tohoku University Hospital* ・Gunma University Hospital* ・University of Tokyo Hospital ・Niigata University Hospital* ・Nagoya University Hospital* ・Mie University Hospital* ・Osaka University Hospital ・Tottori University Hospital* ・Ehime University Hospital* ・Kumamoto University Hospital* ・Kagoshima University] Hospital* ・Kyushu University Beppu Hospital ・Kyushu University Ito Campus* ・Kagawa University Hospital* （subtotal 44 institutions）

Nation	Medical Institution
Korea	・Hanyang University ・National Cancer Center, Korea ・Ewha Womans University ・Seoul National University ・Chungnam National University ・Gyeongsang National University ・Seoul National University Bundang Hospital ・Korea University ・Yonsei University ・Chungbuk National University ・Cheju National University ・Asan medical center ・ St. Mary's Hospital ・konkuk University ・Chonnam National University （subtotal 15 institutions）
China	・Tsinghua University ・Shanghai Jiaotong University affiliated Shanghai First People's Hospital ・The Chinese University of Hong Kong ・Peking University ・Peking Union Medical College Hospital ・CTEC ・Xijing Hospital ・Prince of Wales Hospital ・University of Hong Kong ・Zhejiang University ・Fudan University Zhongshan Hospital （subtotal 11 institutions）
Taiwan	・Taipei Veterans General Hospital ・Taichung Veterans General Hospital ・National Taiwan University ・National Central University ・Taipei Medical University ・Kaohsiung Medical University Chung-HO Memorial Hospital （subtotal 6 institutions）
America	・University of Hawaii ・Stanford University ・Florida International University ・University of California, Irvine ・University of Wisconsin ・Medical University of South Carolina （subtotal 6 institutions）
Australia	・Flinders University ・The Australian National University ・Concord Hospital ・Royal North Shore Hospital ・Royal Brisbane Hospital ・Westmead Hospital （subtotal 6 institutions）

Medical institutions connection list of telemedicine（2/3）

24.FEB.2012

Tele-Medicine Development Center of Asia（TEMDEC）

◇Medical Institutions & Universities

*Only connected by H323 or Vidyo.

Nation	Medical Institution
Thailand	・Siriraj Hospital, Mahidol University ・Chulalongkorn University ・Rajavithi Hospital ・Pramongkutklao Hospital （subtotal 4 institutions）
Singapole	・Singapore National University （subtotal 1 institution）
Vietnam	・National Hospital of Pediatrics ・BachMai Hospital ・Hospital No 108 ・Choray Hospital ・Viet Duc Hospital ・Hue University Hospital* （subtotal 6 institutions）
Indonesia	・Institut Teknologi Bandung ・University of Indonesia （subtotal 2 institutions）
Philippines	・University of the Philippines Diliman ・University of the Philippines Manila ・Advanced Science and Technology Institute ・Veterans Memorial Medical Center ・Philippine Heart Center in Manila （subtotal 5 institution）
Malaysia	・University of Malaya ・University Malaysia Sabah* ・Hospital Tengku Ampuan Afzan Kuantan* ・National University of Malaysia* （subtotal 4 institution）
India	・Tata Memorial Hospital ・Chhatrapati Shahu Ji Maharaj Medical University ・Asian Institute of Gastroenterology ・The Institute of Liver and Biliary Sciences （subtotal 4 institution）
Germany	・University Medical Center Hamburg-Eppendorf （subtotal 1 institution）
France	・Universite Bordeaux 2 ・Paul Brosse Hospital （subtotal 2 institutions）
Italy	・Roma Tre University ・Monaldi Hospital （subtotal 2 institutions）
New Zealand	・Auckland University （subtotal 1 institution）

Nation	Medical Institution
Czech	・Czech Technical University of Prague ・Central Military Hospital in Prague ・Masaryk Hospital Usti nad Labem （subtotal 3 institutions）
Spain	・Hospital Clinic I Provincial De Barcelona ・University of Malaga ・World Institute for Digestive Endoscopy Research in Barcelona （subtotal 3 institutions）
Egypt	・Cairo University （subtotal 1 institution）
Norway	・St Olavs University Hospital （subtotal 1 institution）
Brazil	・University San Paolo Ribeirão Preto （subtotal 1 institution）
Mexico	・Universidad Nacional Autonoma de Mexico （subtotal 1 institution）
Morocco	・Mohamed V Souissi University （subtotal 1 institution）
South Africa	・University of the capetown （subtotal 1 institution）
Fiji	・Fiji National University* （subtotal 1 institution）
United Kingdom	・All Nations Centre, Cardiff* （subtotal 1 institution）

（Medical Institutions & Universities）

Total : 27 Nations 134 institutions

Medical institutions connection list of telemedicine(3/3)

24.FEB.2012

Tele-Medicine Development Center of Asia（TEMDEC）

◇The Other institutions

*Only connected by H323 or Vidyo.

Nation	Institution
Japan	・Fukuoka International Congress Center ・ACROS Fukuoka ・Pacifico Yokohama ・Akihabara DAIBIRU ・Fukuoka Sunpalace ・National Institute of Information and Communications Technology ・Sapporo Convention Center ・West Japan General Exhibition Center ・Shonan Village Center ・APAN-JP Tokyo office ・Vidyo Japan* （subtotal 11 institutions）
Korea	・Hotel Inter-Burgo in Daegu ・Grand Hilton Seoul Hotel ・Korea Telecom ・Lotte Hotel Seoul ・Shilla Hotel Souel ・Sheraton Grande Walkerhill Seoul （subtotal 6 institutions）
China	・Sheraton Xian Hotel ・Beijing International Congress Center ・Hong Kong Convention and Exhibition Centre ・Johnson & Johnson Beijing （subtotal 4 institution）
Taiwan	・The Howard Plaza Hotel Taipei ・Grand Hi-Lai Hotel （subtotal 2 institutions）
America	・Seattle Science Foundation ・Hyatt Regency San Antonio ・Renaissance Atlanta Waverly Hotel （subtotal 3 institution）
Australia	・Hilton Cairns Hotel ・venue of AARNet3 launch ceremony ・Medic Vision Australia ・CSIRO ICT Centre ・AARNET Sydney Office ・InterContinental Sydney ・Hilton Sydney Hotel （subtotal 7 institutions）
Thailand	・Amari Watergate Hotel ・Queen Sirikit National Convention Center ・The Empress Convention Centre （subtotal 3 institutions）

Nation	Institution
Vietnam	・ASEM venue in Halong Bay ・Melia Hanoi Hotel and Convention Center ・National Agency for Science and Technology Information (NASATI) （subtotal 3 institution）
Philippines	・Edsa Shangri-la Hotel （subtotal 1 institution）
Malaysia	・MYREN-NOC ・Berjaya Times Square Hotel （subtotal 2 institutions）
India	・ERNET Mumbai ・ERNET New Delhi ・India Habitat Centre （subtotal 3 institution）
Italy	・GARR-NOC ・Auditorium del Massimo （subtotal 2 institutions）
Belgium	・TERENA venue in Bruges （subtotal 1 institution）
New Zealand	・Millennium Hotel Queenstown （subtotal 1 institution）
Egypt	・Theodor Bilharz Research Institute （subtotal 1 institution）
Czech	・Clarion Congress Hotel ・CESNET （subtotal 2 institution）
Lithuania	・Reval Hotel Lietu （subtotal 1 institution）
Chile	・Red Universitaria Nacional （REUNA） （subtotal 1 institution）

（The Other Institutions）
Total : 18 Nations 54 institutions

【Total】
30 Nations
188 institutions

H.323 list

Country	Institution	H323	Quality
AU	Flinders University	Tanberg Polycom Aethera	
AU	Royal Brisbane and Women's Hospital	Tandberg 3000 MXP	HD
BZ	Sao Paulo University Faculdade de Medicina	Tandberg 990 MXP	SD
BZ	Sao Paulo University Ribeirao Preto	Polycom	HD
CL	REUNA Santiago Office	LifeSize 220	SD/HD
CN	CERNET(Tsinghua University)	Polycom VSX 6000	SD
CN	Fudan University Zhongshan Hospital	×	
CN	Peking Union Medical College Hospital	×	
CN	Shanghai Jiaotong U affiliated Shanghai First People's Hosp	×	
CN	The University of Hong Kong	Polycom HDX 9004	HD
FJ	Fiji National University	Polycom QDX 6000	SD
HK	Chinese University of Hong Kong	Sony	HD
ID	Institut Teknologi Bandung	Tandberg Polycom mx95 Polycom VSX7000	SD
ID	University of Indonesia	Polycom HDX 7000	HD
IN	Asian Institute of Gastroenterology	Polycom VSX 7000 Aethera Vega X5	SD
IN	Education and Research Network	Polycom HDX 8000	HD
IN	The Institute of Liver and Biliary Sciences	SONY HD IPELA PCS-XG80	HD
JP	Fujita Health University	Sony PCS-1	XGA
JP	Fukuoka University Hospital	Polycom HDX 9002	HD
JP	Hokkaido University Hospital	Sony PCS-1	XGA
JP	Kanazawa University	LifeSize Room	
JP	Kyoto Second Red Cross Hospital	×	
JP	Kyushu University Hospital	Polycom HDX 9000 Sony PCS-XG80	HD
JP	Nagoya University Hospital	Polycom HDX 8000	HD
JP	National Center for Child Health and Development	Polycom VSX 7000	SD
JP	Tokushima University	Microsoft Live Meeting 2007	
JP	Tokyo Medical and Dental University	○	
JP	University of Occupational and Environmental Health	×	
KR	Asan Medical Center	Polycom ViewStation PVS-1419	
KR	Chungbuk National University	Polycom VSX 7000A	SD
KR	Hanyang University	×	
KR	Konkuk University Hospital	mirial softphone	SD
KR	Korea University	Sony	

Country	Institution	H323	Quality
KR	Seoul National University Bundang Hospital	Polycom HDX 9006 Tandburg 6000 MXP Tandburg 990 MXP Polycom ViewStation FX	HD
MA	Mohamed V Souissi University, Rabat	Tandberg	
MY	Hospital Kota Kinabalu	Tandberg MXP	SD
MY	University of Malaya	Tandberg	SD
NP	Kathmandu Model Hospital	Polycom	SD
PH	Metropolitan Hospital	Polycom	
SG	Changi General Hospital	Polycom	
SG	National University of Singapore	Tandberg 6000 MXP Sony Ipera	HD
TH	Chulalongkorn University	Radvision XT-1000	HD
TH	Mahidol University Siriraj Hospital	Polycom (8000 series)	HD
TH	Rajavithi Hospital	Polycom HDX 9000	HD
TW	National Taiwan University	Polycom VSX 8000	SD
TW	Taipei Medical University	Sony PCS-G70	SD
UK	All Nations Conference Centre, Cardiff	○	HD
US	Kyushu University California Office	Sony	
US	Seattle Science Foundation	LifeSize720P	HD
US	Virginia Mason Hospital	LifeSize	
UY	RAU: Red Academica Uruguay	TANDBERG Edge 95 MXP	HD
VN	Bach Mai Hospital	Polycom HDX 7000	HD
VN	Cho Ray Hospital	SONY PCS XG55	HD
VN	E Hospital	×	
VN	Viet Duc Hospital	○	
VN	VinaREN - Vietnam Research and Education Network	Sony PCS-XG80	HD
ZA	University of Kwazulu-Natal Nelson R Mandela School of Medicine	Sony	SD
ZA	University of the Cape Town	Polycom	

※○：H.323 system is available　×：H.323 system is not available

H.323 MCU (Multipoint control unit)

Country	Institution	MCU Information	Quality	Contact Person
JP	Kyushu University	TANDBERG codian MCU4210	SD	Kuriko Kudo
TW	National Taiwan University	Mcusystem MCU-20	HD	Ti-Chaung Chiang
TH	Chulalongkorn University	RADVISION SCOPIA 400	HD	Chakaphan Sookcharoen, Ratchakrit Bowornwattanakorn
VN	NASATI office Hanoi	Cisco 3545	HD	Cao Duc Minh

※Please send the update information to TEMDEC when available.

List of Foreign Researchers (doctors and engineers), 2003-2011

Country (not nationality)	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total (by country)
Korea	2	1	2	1	4	2	2	1	4	19
China			1	2	4	2	2	2	1	14
Thailand				3	3	2	3	2	7	20
Vietnam				2	1	1	1	3	11	19
Taiwan				2	1		1	1	2	7
Egypt					1		1			2
India					1	1	1	1	2	6
Indonesia					1	1		1	4	7
Kazakhstan					1					1
Malaysia						1	1		3	5
Philippines						1			1	2
Pakistan						1				1
Singapore							1		4	5
South Africa							1	1	1	3
Brazil								3	1	4
Nepal								1		1
Chile								1	1	2
Argentina								1		1
Mexico								1		1
Uruguay								1		1
Australia									2	2
Brunei									1	1
Morocco									1	1
Bolivia									1	1
Columbia									1	1
Total (yearly)	2	1	3	10	17	12	14	20	48	127

※2009: From India（Nationality : Republic of Trinidad and Tobago）

※2011: From Morocco（Nationality : Republic of Benin）

Greeting from Director

The purpose of TEMDEC is to organize attractive and useful remote education programs with interactive discussion in Asia by taking a full advantage of high-speed academic Internet and advanced technologies. New medical knowledge and advanced procedures are shared routinely and consistently across the geographic borders.

With reliable and solid teamwork between medical staff and engineering people, we are now expanding these activities from Asia to the rest of the world. Furthermore, the application of the system to the real patient care is our on-going project with the cooperation with International Medical Relations in our hospital.

We sincerely appreciate your kind cooperation and great support.

Director of TEMDEC
Masao Tanaka, MD, PhD, FACS

Dec. 2011

Access

Route from Airport

By Subway
Fukuoka Airport ▸ (Subway Kuko Line) ▸ Nakasu-Kawabata St.
▸ (Transfer Subway Hakozaki Line) ▸ Maidashi-Kyudaibyoinmae St.
▸ Hospital Campus

By JR
JR Hakata Train St. ▸ (Kagoshimahonsen Line) ▸ JR Yoshizuka St.
▸ (Walk: about 10min) ▸ Hospital Campus

By Taxi
From Airport:15min
From JR Hakata Train St: 15min
From JR Hakata Yoshizuka St: 5min
From Tenjin St: 15min

For more details, please visit our homepage:
http://www.temdec.med.kyushu-u.ac.jp/eg/

-Event List	/html/katsudo/eventlist.html
-Connected Institutions	/html/katsudo/connected_sites_list-e.pdf
-Event Preparation Schedule	/html/conference/conference.html
-Technical Tips	/html/eizo/eizo.html

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Telemedicine Development Center of Asia

KYUSHU UNIVERSITY

About TEMDEC

Aim

The aim of this center is to establish effective and consistent medical communications among Asian countries using super-fast Internet and advanced technology.

Main activity

- Remote medical education:
  -Organizing programs and preparations for the event.
- Remote patient care:
  -Tele-consultations and arrangements for international patient care.
- Development and application of new technology:
  -For more connections and better images.
- Development of attractive contents:
  -Consistent search for the new applications.
- Secretariat of Medical Working Group of Asia-Pacific Advanced Network:
  -http://www.apan.net/wg/medical.php
- Center for international exchange programs:
  -Invitation of foreign medical doctors and engineers

History

Our telemedicine activity started in 2002, when Korea-Japan co-hosted World Cup Soccer Games and these two countries were connected with a big optic fiber. "Genkai project" was organized by industry/government/academic groups in order to accelerate the mutual remote communications in various fields such as education, culture, business, and medicine. TEMDEC was formally established in Kyushu University Hospital in 2008.

Telemedicine conference room

Since April 2010, new teleconference room has been installed with a variety of the latest equipment, such as DVTS, Polycom, Vidyo, High Definition Streaming.

Activities

Contents

- Laparoscopic Surgery
- Thoracoscopic Surgery
- Gastrointestinal Endoscopy
- Transplantation
- Medical Infomatics
- Pathology
- Urology
- Healthcare
- Interventional Cardiology
- Nursing
- Lifestyle Related Disease
- Fetus Medicine
- Student Education
- Pharmacology

Technologies

DVTS

-Digital Video Transport System

H.323 Video Conference System

-Polycom, Sony, LifeSize, Tandberg...

H.264/SVC Vidyo Conferencing System

-Client-server style video conferencing software

HD-SCR

-High Definition Streaming Combined Remote conference system

Tele-pointer

-Remote pointing system for telepresence

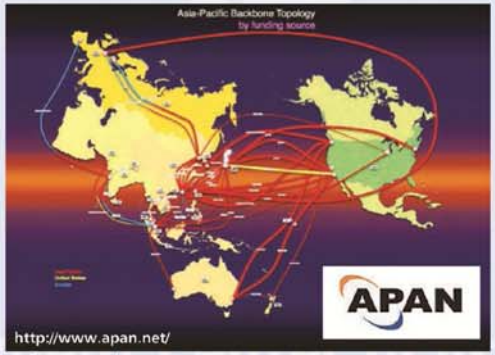
Medical Working Group -APAN

APAN

APAN (Asia-Pacific Advanced Network) is a non-profit international consortium established in 1997. APAN is designed to be a high-performance network for research and development on advanced next generation applications and services.

Medical Working Group

Medical Working Group was organized in 2005, and Kyushu University Hospital has been secretariat for all telemedicine activities.



Telemedicine Development Center of Asia