The 6th Asia Telemedicine Symposium

DATE | 2012.12.14 (Fri) - 15 (Sat)
VENUE | Kyushu University Hospital, Fukuoka, Japan
        | 14th (Fri): Centennial Hall
        | 15th (Sat): Collaboration Research Station
REGISTRATION FEE | ¥2,000 (onsite)

—The 10th Anniversary of Advanced Telemedicine:

What’s the direction for the next 10 years?—

This year will celebrate the 10th anniversary of our advanced telemedicine which started in 2002. With new technologies and great needs, our partners have expanded to 207 institutions in 32 countries, and over 300 teleconferences and live demonstrations were performed with attractive contents and beautiful images. There is no doubt that digital video transport system (DVTS) has been a main tool but we should recognize that other new technologies have also been developed with better user interfaces and even better quality.

We would like to review our activities during these 10 years looking back what we learned and to think seriously what the direction is for the next 10 years with the participation of many friends who have supported us and worked together.

Host
Kyushu University Hospital, Telemedicine Development Center of Asia

Sponsors and Supporters
APAN-Japan, Kyushu Electric Power Co., Kyushu Economic Federation, Kyushu Island Alliance of ICT, Johnson & Johnson K.K., Olympus Medical System Corp, Abbott Vascular Japan Co., Ltd., Boston Scientific Japan K.K., Office for the Planning and Coordination of International Affairs (OPCIA), Research Institute for Information Technology, Kyushu GigaPOP (QGPOP), Kyushu University Hospital Dept of Medical Information Center, Division of International Medical Relations, Dept of Endoscopic Diagnostics and Therapeutics
ATS2012 Program

Dec 14 [Fri] Main Hall / Centennial Hall

9:15-10:00 Registration

10:00-10:15 Openings
Chiharu Kubo (Kyushu Univ. Hospital, Director)
Shuji Shimizu (Kyushu Univ. Hospital, TEMDEC, Director)

10:15-11:00 Keynote speech-1
Chair: Masao Tanaka (Kyushu Univ. Hospital/Japan)
"The patient-first wireless future of medicine"
Speaker: Maki Sugimoto (Kobe Univ./Japan)

11:00-11:45 Keynote speech-2
Chair: Naoki Nakashima (Kyushu Univ. Hospital/Japan)
"The Brazilian Telemedicine University Network RUTE and its eHealth relations with Regional Academic Networks"
Speaker: Luiz Ary Messina (RUTE/Brazil)

11:45-13:00 Group photo & Lunch

13:00-14:00 Special Interest Group (SIG) 2012
Chairs: Kenjiro Yasuda (Kyoto Second Red Cross Hospital/Japan)
        Hilvano Serafin (UP Manila General Hospital/Philippines)
* This session will highlight some exciting programs performed this year.

- Presentations:
  1. International gastrointestinal endoscopic teleconference with collaborating institutes using superfast broadband internet connections
     (Chan-Sup Shim/Konkuk Univ./Korea)
  2. Siriraj Minimally Invasive Surgery Workshop: from basic to advance
     (Thawatchai Akaraviputh/Mahidol Univ./Thailand)
  3. The telemedicine network between Viet Duc Hospital and Province’s Hospital in Viet Nam
     (Binh Tran Giang/Viet Duc Hospital/Vietnam)
  4. Telementoring: Intercity education of ophthalmology residents from a Philippine hospital for veterans in pediatric eye examination
     (Don Salvacion/Veterans Memorial Medical Center/Philippines)
  5. Future activity plans in Fukuoka University
     (Kenshi Yao/Fukuoka Univ./Japan)
14:00-15:30 **Memorial workshop**

"Looking back 10 years and seeking for the direction toward next 10 years"

*Chairs: Joon-Soo Hahm (Hanyang Univ. Hospital/Korea)*

Shoji Shinhizu (Kyushu Univ. Hospital/Japan)

*This session recalls our activities and discusses our future directions. Invited speakers will introduce their experiences and talk on their thoughts on our further collaborations.*

- **Presentations:**
  1. Memories at the beginning of the activities
     1. Young-Woo Kim/National Cancer Center/Korea
     2. Motohiro Ishii/QT Net/Japan
  2. Network development over 10 years:
     A History of IT Infrastructure (Koji Okamura/Kyushu Univ./Japan)
  3. Activities for the past 10 years and plans for the next 10 years
     1. Surgery: Ho-Seong Han (Seoul National Univ. Bundang Hospital/Korea)
     2. Endoscopy: Dong-Wan Seo (Asan Medical Center/Korea) (remote)
     3. Healthcare: Young-Sung Lee (Chungbuk National Univ./Korea)
     4. Cardiology: Fumiaki Ikeno (Stanford Univ./USA)

15:30-16:00 **Break**

16:00-17:30 **Panel discussion**

"Can DVTS remain the main stream?"  [Answer Pads]

*Chairs: Sang-Gyun Kim (National Information Society Agency/Korea)*

Ti-Chuang Chiang (National Taiwan Univ./Taiwan)

*We have used DVTS as the first choice for 10 years but new technologies are now available. This session is to introduce 4 main technologies applicable for our telemedicine and to discuss how to choose the right solution. We will ask for opinions from audience using answer pads.*

- **Keynotes:**
  1. DVTS (Minh Duc Cao/VINAREN/Vietnam)
  2. H323 (Werner Van Huffel/ Polycom Australia Pty Ltd/Australia)
  3. Vidyo (Hiroyoshi Kusumoto/Vidyo, Inc./Japan)
  4. HD-SCR (Nobuhiro Torata/Kyushu Univ. Hospital/Japan)

- **Discussants:**
  Chakaphan Sookcharoen (Chulalongkorn Univ./Thailand)
  Bani Lara (Advanced Science and Technology Institute/Philippines)
  Ungaraya Satyanarayana (Asian Institute of Gastroenterology/India) (remote)

17:30-18:20 **Global collaborations**

*Chairs: Bao Congxiao (Tianghua Univ./China)*

Takeshi Naitoh (Tohoku Univ. Hospital/Japan)

*This session invites speakers beyond Asia.*

- **Presentations:**
  1. Establishing the teleconference system in Tohoku University Hospital (Takeshi Naitoh/Tohoku Univ. Hospital/Japan)
  2. The actual problems of live demo surgeries (Jiri Navratil/CESNET/Czech)
  3. A collaborative high-resolution tele-education project: Lessons learned from implementing (Sethemba Mandybl/Univ. of Cape Town/South Africa)
  4. Telemedicine in Turkey- Experiences and projects of Istanbul University, Cavt Avci/Istanbul Univ./Turkey) (remote)

18:20 **Closing remarks**

Rungsun Rerknimit (Chulalongkorn Univ./Thailand)

18:30 **Reception**
Conference Room 1

Big Data for Medical Workshop
-- Cloud and Business Model for Medical Education--

Workshop Abstract

The aim of this workshop is to have a chance for brain storming discussion on innovational remote medical education. The keywords are "Cloud“ and "Business Model“ for medical education.

Telemedicine Development Center of Asia (TEMDEC) has used 1) Live, 2) Uncompressed digital video (DV) or high definition (HD) and 3) IPsec for practical remote medical education. "Live" supports interaction between surgical operator and students. "DV or HD“ provides good quality. "IPsec“ guarantees privacy of patients. However, new members have experienced difficulties to prepare ultra-high speed network like research and education (R&E) Internet or to handle high end equipment under the absence of good skilled engineers. Therefore, the next generation system and business model are essential to further spread the activity.

This workshop introduces an e-learning system which can use very high quality video and supports conversation between teaching operators and medical students. Of course, patient privacy is guaranteed. The difference of this system with the conventional one is off-line style, not being on-line. Very low cost is another benefit because of cloud based system.

In this workshop, this new cloud system is introduced and discussed for possible application to medical education and for future consideration as a business model to accelerate the activities.

Program

15:00-18:00

* Opening

+ Koji Okamura (Kyushu Univ.)

* Introduction of ViaPlatz

+ NTT-West

* Business model for cloud based medical education

+ Sunglim Lee (AIP Patent & Law Firm)
ATS2012 Program

Dec 15 [Sat] Visual and Audio Room/Collaboration Research Station

8:30-9:15 Registration and coffee

9:15-10:30 APAN-Hawaii Preparation Meeting:
Chair: Shuji Shimizu/Kyushu Univ. Hospital/Japan
*Updates of preparations for APAN-Hawaii in January 2013 are to be discussed in this session with all involved doctors and engineers.

Healthcare (Young-Sung Lee/Chungbuk National Univ./Korea)
Technology (Ti-Chuang Chiang/National Taiwan Univ./Taiwan; Minh Duc Cao/VINAREN/Vietnam)
Endoscopy (Rungsun Rerknimitr/Chulalongkorn Univ./Thailand)
Surgery (Ho-Seong Han/Seoul National Univ. Bundang Hospital/Korea)
Cardiology (Fumiaki Ikeno/Stanford Univ./USA)
Medical Network (Hiroshi Mizushima/National Inst. of Public Health/Japan)
- Supporting engineers
- Luiz Ary Messina (RUTE/Brazil)

10:30-10:45 Coffee break

10:45-12:00 Tutorials & Hands-on
“Vidyo videoconferencing system”
Hiroshige Kusumoto (Vidyo, Inc./Japan)
Keiko Tsuchiya (Vidyo, Inc./Japan)
* This session gives you how to use a new H.264 system. Bring your own PC or mobile equipment so that you can install and experience a program. You can also know how to make a room for your own group conference.

12:00-13:15 Group photo & Lunch

13:15-14:15 Activity expansion in Asia-1: Sponsored by Olympus Medical Systems Corp.
   Chairs: Christopher Khor (National Univ. Hospital/Singapore)
   Shiaw Hooi Ho (Univ. of Malaya/Malaysia)

- Presentations:
1. Training plan for young endoscopists in digestive center, E Central Hospital (Nguyen Thuy Vinh/E Hospital/Vietnam) (remote)
2. Endoscopic Training Center in Fiji (Mai Ling Perman/Fiji School of Medicine/Fiji)
3. Asia-Pacific Digestive Week 2012 (Rungsun Rerknimitr/Chulalongkorn Univ./Thailand)
4. Activities in OLYMPUS China Medical Training and Education Center (Yasuhiro Omagari/CTEC/China)
5. The current situation of distance education in Health Sciences University of Mongolia (Bayanmunkh Battuiga/Health Sciences Univ. of Mongolia/Mongolia) (remote)
14:15-15:15  **Activity expansion in Asia-2:**
Sponsored by Olympus Medical Systems Corp.

Chair: Thawatchai Akaraviputh (Mahidol Univ./Thailand)
    Ni Thanh Le (Cho Ray Hospital/Vietnam)

- Presentations:
  1. Teleconference for the nursing students "The first step for a future regional medicine in Japan"
     (Atushi Sugitani/Yonago Medical Center/Japan)
  2. Tools and Goals: Possibility of more structured CME in cyber-space
     (Saroj Dhital/Kathmandu Model Hospital/Nepal) (remote)
  3. School on Internet Asia Project
     (Patcharee Basu/ WIDE project/ Thailand) (remote)
  4. 3D endoscopic surgery live demo setting
     (Pornarong Choitiwan/Chulalongkorn Univ./Thailand)
  5. The first experience of live surgery from Tokyo to New York
     (Yosuke Seki/Yotsuya Medical Cube/Japan)

15:15-15:45  **Coffee break**

15:45-16:45  **Topics in regional program and technology-1:**

Chairs: Albert AU (Hong Kong Univ./China)
    Jung-Hun Lee (Seoul National Univ. Bundang Hospital/Korea)

- Presentations:
  1. Expansion of network and activity in China
     (Bao Congxiao/ CERNET/China)
  2. University of Malaya telemedicine experiences & challenges
     (Mohamad Zahir Ahmad/Univ. of Malaya/Malaysia)
  3. Remote seminar trial of fetal echocardiography using SNET4
     (Kazuto Noguchi/Ehime Univ./Japan)
  4. CYLIFE: Interface for remotely connected living room
     (Yu Murase/Kero Univ./Japan)

16:45-17:45  **Topics in regional program and technology-2:**

Chairs: Yasuichi Kitamura (APAN-JP/Japan)
    Dipak Singh/ERINET/India (remote)

- Presentations:
  1. Quatre (DVTS-MCU) for open source
     (Seiji Kumagai/Information Services International-Dentsu, Ltd./Japan)
  2. A DVTS experience in an international live demonstration session from the interventional radiology suite of
     National Cancer Center Hospital
     (Naotoshi Atoda/National Cancer Center/Japan)
  3. Recent activity in Institute of Liver and Biliary Sciences
     (Dinesh Kumar Tanjeja/II.IBS/India)
  4. Future plan in Tata Memorial Hospital
     (Mehta Shaesta, Manoj Chavan/Tata Hospital/India) (remote)

17:45-18:00  **Secretariat report**

APAN-Medical Working Group
(Yoko Noda, Kuriko Kudo, Yasuaki Antoku/Kyushu Univ, Hospital/Japan)
Venue Information

Kyushu University Hospital, 3-1-1 Maidashi, Higashi-ku, Fukuoka, 812-8582
Subway Maidashi Kyudai Byouin Mae about 10 min walk

【Registration】Send your following information to the secretariat below.
Name, Institution and Dept, Title, Mail address, Phone number
English : http://www.temdec.med.kyusu-u.ac.jp/html/katsudo/ATS/2012ATS/Registration_Form.doc

【Secretariat】Ms. Yoko Noda: Telemedicine Development Center of Asia
Kyushu University Hospital Fukuoka 812-8582, Japan
Email: n-yoko@endosc.med.kyushu-u.ac.jp Tel & Fax: +81-92-642-5014
The 6th Asia Telemedicine Symposium
—The 10th Anniversary of Advanced Telemedicine: What’s the direction for the next 10 years?—

Dec 14 [Fri] Main Hall/Centennial Hall

**Openings**
10:00-10:15
- Chiharu Kubo
  Kyoto Univ., Hospital
- Shuji Shimizu
  Kyoto Univ., Hospital
- TEMDEC, Director

**Keynote speech-1**
10:15-11:00
- Chair:
  Masao Tanaka
  Kyoto Univ., Hospital
- Speaker:
  Maki Sugimoto
  Keio Univ., Japan

**Panel discussion**
11:00-11:45
- Chair:
  Ti-Chuang Chiang
  National Taiwan Univ., Taiwan
- Minh Duc Cao
  Vietnam
- Werner Van Huffel
  Belgium Australia Pty Ltd
- Hiroshige Kusumoto
  Aichi, Japan
- Nobuhiro Torata
  Kyoto City Hospital, Japan
- Chakaphan Sookcharoen
  Chulalongkorn Univ., Thailand
- Bani Lara
  Advanced Science and Technology Institute
- Ungarala Satyanarayana
  Asia Institute of Gastroenterology, India

**Special Interest Group (SIG) 2012**
13:00-14:00
- Chair:
  Kenjiro Yasuda
  Kyoto Second Red Cross Hospital, Japan
- Chan-Sup Shim
  Kyung Hee Univ., Korea
- Thawatchai Akarasigpul
  Mahidol Univ., Thailand
- Binh Tran Giang
  Van Duc Hospital, Vietnam
- Don Salvacion
  Valenzuela Memorial Medical Center, Philippines
- Kenshi Yao
  Fukuoka Univ., Japan

**Global collaborations**
17:30-18:20
- Chair:
  Bao Congxiao
  Tongji Univ., China
- Takeshi Naitoh
  Tottori Univ., Hospital, Japan
- Jiri Navratil
  CEHET, Czech
- Sinethemba Mandyoli
  University of Cape Town, South Africa
- Cavit Avci
  Istanbul Univ., Turkey

**Memorial workshop**
14:00-15:30
- Chair:
  Joon-Soo Hahm
  Hanyang Univ., Hospital
- Koji Okamura
  Kyushu Univ., Japan
- Ho-Seong Han
  Seoul National Univ., Bundang Hospital, Korea
- Dong-Wan Seo
  Asan Medical Center, Korea (remote)

**Closing remarks**
18:20
- Rungsun Reekoolr
  Chulalongkorn Univ., Thailand
第6回アジア遠隔医療シンポジウムを終えて

12月14日、15日に「第6回アジア遠隔医療シンポジウム」が福岡にて開催され、18ヶ国から会場参加110名、遠隔参加11名、合計121名の参加者を迎えました。当シンポジウムは毎年開催されてきたが、今年は遠隔医療の活動を始めて10年目という記念すべきシンポジウムでした。また今回は、岡村耕二教授によって企画されたジョイントセッションも開かれ、さらに広い層からの参加者を迎えることができました。

当シンポジウムの目的は、知識や最新技術に関しての情報の共有はもちろんのことですが、それだけにとどまらず同じ志を持つ人々との新たな出会い、そしてこれまでに培ってきた友好を更に深めるという事も大切な一つです。このため、シンポジウムは日中のセッションのみならず、夜の懇親会があってこそ完全な形となります。今年は初日金曜日の夜、会場にて懇親会を設けました。遠隔はこの会がインタラクティブで心地良い場になるよう努めました。会では、多国籍料理と共に福岡まで来ていたい参加者への歓迎を込めて、日本の伝統料理、また九州大学オリジナルのビール等を用意しました。しかしながら、真の意味での成功は参加者一人一人の協力があったからこそ成し得たと確信しています。各国から、各チームの紹介、創意あふれるパフォーマンスが行われ、特にブラジルのLuiz Ary Messina氏、また日本の杉谷篤先生にはそれぞれの国の音楽を素晴らしいギターと歌声でご披露頂きました。私たちがたとえどんなに立派なキャンパスを造っでも、そこに行まない参加者は無かったなら、あれほどの色鮮やかな絵を描くことはできなかったでしょう。

（野田陽子）