「Asia-Pacific Medical Network Project in Kyushu University Hospital」TEMDEC (Telemedicine Development Center of Asia) Annual Report : Vol.10

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6. Asia Telemedicine Symposium

The 7th Asia Telemedicine Symposium

DATE: 2013.12.13 (Fri) – 14 (Sat)
VENUE: 13th (Fri) Siriraj Hospital, Mahidol University
         14th (Sat) Faculty of Medicine, Chulalongkorn University
REGISTRATION FEE: 20 US Dollars

Hosts and sponsors:
Kyushu University Hospital, TEMDEC, Siriraj Hospital, Mahidol University, Faculty of Medicine, Chulalongkorn University, and the Thai Association for Gastrointestinal Endoscopy (TAGE)
ATS2013 Program

Dec 13 (Fri) Mahidol University

● 9:00-9:15 Opening remarks
   Udom Kachintorn (Mahidol Univ. Siriraj Hospital/Thailand)

● 9:15-9:45 Keynote Speech
   Chair: Udom Kachintorn (Mahidol Univ. Siriraj Hospital/Thailand)
   “Asia Telemedicine Symposium: past, present, and future”
   Speaker: Shuji Shimizu (Kyushu Univ. Hospital/Japan)

● 9:45-11:15 APAN Medical sessions in 2013
   Chairs: Rungsun Rerknimit (Chulalongkorn Univ./Thailand)
      Ho-Seong Han (Seoul National Univ. Bundang Hospital/Korea) (remote)
   “This session reviews the representative programs held at APAN Meetings this year. Various new trials will be introduced together with long-lasting attractive programs.”
   ‘Presentations: (10min presentation + 5min Q&A/each)
   1. Endoscopy:
      (Rungsun Rerknimit/Chulalongkorn Univ./Thailand)
   2. Surgery:
      (Thawatchai Aksaraviputh/Mahidol Univ. Siriraj Hospital/Thailand)
   3. Hepato-pancreato-biliary: Tele live educational program among TEIN countries
      (Ho-Seong Han/Seoul National Univ. Bundang Hospital/Korea) (remote)
   4. Healthcare: Big data as a national asset
      (Young-Sung Lee/Chungbuk National Univ./Korea)
   5. Cardiology:
      (Damara Treukosol/Mahidol Univ. Siriraj Hospital/Thailand)
   6. Fetus: Trial of teleconference to promote the fetal diagnosis of congenital heart disease
      (Motoyoshi Kawataki/Kanagawa Children’s Hospital/Japan) (remote)

● 11:15-13:00 Hospital tour & Lunch
   Mahidol University Siriraj Hospital
   (Hospital introduction, Endoscopic room, SITEC, etc.)

● 13:00-15:15 Success and Failure of Telemedicine in Asia-Pacific
   Chairs: Thawatchai Aksaraviputh (Mahidol Univ. Siriraj Hospital/Thailand)
       Shiaw Hooi Ho (Univ. of Malaya/Malaysia)
   Panelists: Christopher Khor (NUS/Singapore)
       Bani Lara (UP Manila/Philippines)
   “The presenters introduce their activities in various fields from various countries and regions. They will talk about their successes and failures giving us hints to make better programs in better conditions.”
Presentations: (8min presentation + 5min Q&A/each)

1. Successes and difficulties on telemedicine at endoscopic fields with introduction about new technology
   (Kiyohito Tanaka/Kyoto 2nd Red Cross Hospital/Japan) (remote)
2. Nation-wide remote seminar trials of fetal echocardiography in Japan
   (Kazuto Noguchi/Ehime Univ./Japan)
3. 2013 Our experience of international gastrointestinal endoscopic teleconference
   (Chan Sup Shim/Cho Ray Hospital/Vietnam)
4. Telemedicine between the University of Hong Kong and HKU-Shenzhen Hospital
   (Albert AU/Hong Kong Univ./China)
5. Using broadband network for telemedicine activity: NTU experience
   (Ti-Chuang Chiang/Taiwan National Univ./Taiwan)
6. Some experiences in deployment of a new station from Cho Ray Hospital
   (Le Thanh Ni/Cho Ray Hospital/Vietnam)
7. Hybrid Transmission
   (Mohamad Zahir Ahmad/Univ. of Malaya/Malaysia)
8. Success and failure of telemedicine in Asia-Pacific
   (Ungarala Satyanarayana/Asian Institute of Gastroenterology/India)
9. Branching out: progress in the field of telemedicine in the department of ophthalmology of Veterans Memorial Medical Center
   (Don Salvacion, June T. Mendoza, Byrone G. Mendoza/Veterans Memorial Medical Center/Philippines)
10. Current status of telemedicine at University of Indonesia
    (Aria Kekalib/Univ. of Indonesia/Indonesia) (remote)

15:15-15:45  
Break

15:45-17:30  
Global expansion

Chairs: Takeshi Naito (Tohoku Univ. Hospital/Japan)
        Congxiao Bao (Tsinghua Univ./China) (remote)

"Programs outside Asia will be introduced to find possibilities of more global collaborations."

Presentations: (10min presentation + 5min Q&A/each)

1. The CESNET supports telemedicine in Czech Republic
   (Jiri Navratil/CESNET/Czech)
   (Franck Lienvens/Secretary and Treasurer of International Society for Telemedicine & eHealth (ISfTeH)/Switzerland)
3. Experience in telemedicine and suggested activities in Europe
   (Helmut Neumann/U of Erlangen/Germany) (remote)
4. Activity expansion in Cape Town
   (Sandie Thomson/Univ. of Cape Town/South Africa) (remote)
5. Development of telemedicine on Central Asia
   (Askar Kutanov/CAREN/Kyrgyzstan) (remote)
6. A study for the telemedicine activities of the research and education networks
   (Yasuichi Kitamura/APAN-JP/Japan)
ATS2013 Program

Dec 14 (Sat) Chulalongkorn University

● 8:30-9:30 Tutorials of Vidyo system: Basics & Technical tips
  (Hiroshige Kusumoto, Keiko Tsuchiya/Vidyo, Inc./Japan)

● 9:30-12:00 New members: Lessons learned & seeking for collaborations
  Chairs: Ho-Seong Han (Seoul National Univ. Bundang Hospital/Korea)
          Kuriko Kudo (Kyushu Univ. Hospital/Japan) (remote)
  Panelists: Patpong Navicharn (Chulalongkorn Univ./Thailand)
            Thawee Ratanachuek (Rajavithi Hospital/Thailand)
            Junghun Lee (Seoul National Univ. Bundang Hospital/Korea)

  “Many new member institutions talk about their initial experiences with problems
  encountered and their next programs to be organized.”

  • Presentations: (8min presentation + 4min Q&A/each)
  1. Global telemedicine is now in practice
     (Harold Dios/Corporation Univ. for Desarrollo of Internet/Mexico) (remote)
  2. Introduction of Gifu University Hospital, Implementation of telemedicine
     (Naoki Matsuuru/Gifu Univ./Japan)
  3. Broad prospect from our cooperation—From past to future
     (Cheng-Peng Li/Peking Cancer Center/China) (remote)
  4. JJMC Professional education network
     (Eric Yang/J&J Training Center/China) (remote)
  5. APAN new member’s experience—A Malaysian perspective
     (Jan Jin Bong/Sunway Hospital/Malaysia) (remote)
  6. Teleconference experience in GB Pant Hospital
     (Anurudha Soni/G.B.Pant/India) (remote)
  7. Problems of endoscopy in Kazakhstan
     (Kanat Batyrbekov/Research Institute of Traumatology and Orthopedics
      Kazakhstan) (remote)
  8. The first time teleconference in Vajira Hospital
     (Wasi Katsetermwiwiya, Suphakarn Techapongsathorn, Satit Srimonthayamas,
      Sophon Lerderisiphon, Amarit Talsawet, Ratanapong Saikew/Metropolitan
      Vajira/Thailand)
  9. First live endoscopy
     (Taya Kittiyakara/ Ramathibodi Hospital/Thailand)
  10. Hepatic venous pressure: Tele conference cart
      (Manish Dutta/Institute of Liver and Biliary Sciences/India)
  11. UMS: Telemedicine: Issues and trends
      (Muhammad Ifitikhar, Tan Tek Song/ Univ. Malaysia Sabah/Malaysia)

● 12:00-14:00 Lunch time & Hospital tour
  Faculty of Medicine Chulalongkorn University
  (Cadaver training center, Computer center, Education center, etc.)
14:00-16:00  **Panel discussion:**
**Technical reviews for the perfect quality of service (Answer Pada)**

**Chairs:**
- *Ti-Chuang Chiang* (Taiwan National Univ./Taiwan)
- *Shuji Shimizu* (Kyushu Univ. Hospital/Japan)

**Panelists:**
- *Dinesh Kumar Taneja* (Insti. of Liver & Biliary Sciences/India) (remote)
- *Mohamad Zahir Ahmad* (Univ. of Malaya/Malaysia)
- *Aria Kekalih* (Univ. of Indonesia/Indonesia) (remote)

“The technical details are to be discussed on the technologies we have used during our activities. The discussion is planned to be interactive between panelists and audience using answer pads.”

- *Presentations:* (Total presentation 50min + General discussion 70min)
  1. DVTS: (10min presentation /each)
     1) Technical consideration of using several services together
        - *Sanggyun Kim* (National Information Society Argency/Korea)
     2) Optimizing DVTS system in telemedicine activities
        - *Cao Duc Minh* (VINAREN/Vietnam)
  2. Vidyo: (10min presentation)
     Sound problems to be solved for better performance
     - *Yasusuki Antoku* (Kyushu Univ. Hospital/Japan)
  3. H323: (10min presentation)
     “Are H323 good for multiple connections with videos?”
     - *Chakaphan Sookcharoen* (Chulalongkorn Univ./Thailand)
  4. New information from Vendors: (5min presentation /each)
     1) Vidyo:
        - *Hirosige Kusumoto* (Vidyo, Inc./Japan)
     2) H323

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

16:30-18:00  **Recent topics and plans for the next year**

**Chairs:**
- *Ho-Soon Choi* (Hanyang Univ./Korea)
- *Koji Okamura* (Kyushu Univ./Japan)

“Plans for the next year will be introduced with some recent topics relating with our activities in Asia Pacific.”

- *Presentations:* (8min presentation + 5min Q&A /each)
  1. On-demand 4K Telemedicine E-learning System in Cloud Environment
     - *Noppol Pausawadi* (Mahidol Univ. Siriraj Hospital/Thailand,
      *Koji Okamura* (Kyushu Univ./Japan)
  2. Let’s try to Quatre software!
     - *Yasusuki Antoku* (Kyushu Univ. Hospital/Japan)
     - *Kuriko Kudo* (Kyushu Univ. Hospital/Japan) (remote)
  4. Updates and future plans of telemedicine activities of KSGE (Korean Society of Gastrointestinal endoscopy)
     - *Ho-Soon Choi, Joonsoo Hahn, Myunggyu Choi* (Hanyang Univ./Oh Young Lee/KSGE/Korea)
  5. Advanced Telemedicine for Preventive Healthcare Service in Bangladesh
     - *Rafiquul Islam* (Grameen Communications/Bangladesh)
  6. TAGE 2014 (Thai Association of Gastrointestinal Endoscopy)
     - *Thawee Ratanachudik* (Rajavithi Hospital/Thailand)
  7. APAN Indonesia 2014/Asia Telemedicine Symposium 2014
     - *Yoko Noda* (Kyushu Univ. Hospital/Japan)
Poster presentations (Saturday only)

1. Digitalization of Maternal and post natal care in the rural area in Indonesia by using multi-communications systems to reduce mother and children mortality rate in Indonesia
   (Ahmad Faried, Agung Budi Sutiono, Tono Djuwantono/Univ. Padjadjaran Hasan Sadikin Hospital/Indonesia, Samudra Prasetyo, Hadi Hariyanto, Sony Ari Yuniarto, Yudi Tri Jayadi, Andri Qiantori/Research and Development Center, PT Telkom, Bandung/Indonesia, Hirohiko Suwa, Toshizumi Ohta/The Univ. of Electro-Communications/Japan)

2. Teleconsultation of maternal and post natal care in the rural area in west Bandung county Indonesia by using “spontania web base multi tasking”
   (Ahmad Faried, Agung Budi Sutiono, Tono Djuwantono/Univ. Padjadjaran Hasan Sadikin Hospital/Indonesia, Franciscus Xavierius Ari Wibowo, Deni Rismadjar, Hadi Hariyanto, Sony Ari Yuniarto, Yudi Tri Jayadi, Andri Qiantori/Research and Development Center, PT Telkom, Bandung/Indonesia, Hirohiko Suwa, Toshizumi Ohta/The Univ. of Electro-Communications/Japan)

3. Results of surgical treatment liver alveococcosis in National Surgical Center, Ministries of Health of the Kyrgyz Republic
   (Tilekov Ernis Abdyshevich, Chyngysyova Jamilya Amanovna/KG, National surgical center Ministries of Health of the Kyrgyz Republic/Kyrgyzstan)
**Venue Information**

### Adityadhornkitkhun Conference Hall, Siriraj Hospital

**Location:** 2 Wanglang Rd., Siriraj, Bangkok, Bangkok

**Direction:** By BTS Skytrain Silom line, drop at Takin station, walk to Sathon Pier, get on Chao Phraya Express boat, get off at Prannok pier and walk to Siriraj hospital

### Pattayapat Buidling, Chulalongkorn Hospital

**Location:** 1873 Rama 4 Rd., Pathumwan, Bangkok

**Direction:** By BTS Skytrain Silom line, drop at Saladaeng station, walk to Chulalongkorn Hospital
## The 7th Asia Telemedicine Symposium—Corrected List

<table>
<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Title</th>
<th>Presentations</th>
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</thead>
<tbody>
<tr>
<td>P1.</td>
<td>9:45-11:15</td>
<td>APAN Medical sessions in 2013</td>
<td>Presented: 5. Cardiology (Damaras Tresukosol/Mahidol Univ. Sriraj Hospital/Thailand) → Cancelled</td>
</tr>
<tr>
<td>P2.</td>
<td>13:00-15:15</td>
<td>Success and Failure of Telemedicine in Asia-Pacific</td>
<td>Presented: 1. Successes and difficulties in telemedicine at endoscopic fields with introduction about new technology (Kiyohito Tanaka/Kyoto 2nd Red Cross Hospital/Japan) (remote) → Cancelled</td>
</tr>
<tr>
<td>P2.</td>
<td>15:45-17:30</td>
<td>Global Expansion</td>
<td>Added 7. Teleconference experience during KPBA &amp; SGI (Dong Wan Seo/Asan Medical Center/Korea) Present remotely</td>
</tr>
<tr>
<td>P3.</td>
<td>9:30-12:00</td>
<td>New members: Lessons learned &amp; seeking for collaborations</td>
<td>Changed: 5. APAN new member's experience: A Malaysian perspective (Jan Jin Bong/Sunway Hospital/Malaysia) (remote) → Cancelled</td>
</tr>
<tr>
<td>P4.</td>
<td>14:00-16:00</td>
<td>Panel discussion: Technical reviews for the perfect quality of service (Answer Pads)</td>
<td>Cancelled</td>
</tr>
<tr>
<td>P4.</td>
<td>16:30-18:00</td>
<td>Recent topics and plans for the next year</td>
<td>Presented remotely</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7. APAN Indonesia 2014/Asia Telemedicine Symposium 2014 (Yoko Noda/Kyushu Univ. Hospital/Japan)</td>
<td>Presented remotely</td>
</tr>
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The 7th Asia Telemedicine Symposium
Dec 13 (Fri) Adityadhornkitikhun Conference Hall, Siriraj Hospital

Opening remarks 9:00-9:15
- Udom Kachintorn
  Mahidol Univ. Siriraj Hospital
  Thailand

Keynote Speech 9:15-9:45
- Udom Kachintorn
  Mahidol Univ. Siriraj Hospital
  Thailand
- Shuji Shimizu
  Kyushu Univ. Hospital
  Japan

APAN Medical sessions in 2013 9:45-11:15
- Rungsun Rerknimtr
  Chulalongkorn Univ.
  Thailand
- Ho-Seong Han
  Seoul National Univ.
  Bundang hospital
  Korea

Success and Failure of Telemedicin in Asia-Pacific 13:00-15:15
- Thawatchai Akaraviputh
  Mahidol Univ. Siriraj Hospital
  Thailand
- Thawatchai Akaraviputh
  Mahidol Univ. Siriraj Hospital
  Thailand
- Young Sung Lee
  Yonsei University
  Korea
- Shih Woei Ho
  National Univ.
  Malaysia

Global expansion 15:45-17:30
- Takeshi Naito
  Tohoku Univ Hospital
  Japan
- Helmut Neumann
  U of Erlangen
  Germany

Poster presentations Dec 14th(Sat)
- Ahmad Faried
  Univ. Padjadjaran Hasan Sadikin Hospital
  Indonesia
- Chyngyshova Jamilya Amanovna
  Ministry of Health of the Kyrgyz Republic
  Kyrgyzstan

Success and Failure of Telemedicin in Asia-Pacific 13:00-15:15
- Kaway Tanaka
  Kosei-cho Red Cross Hospital
  Japan
- Kazuto Noguchi
  Hokurui Univ.
  Japan

Poster presentations Dec 14th(Sat)
- Ahmed Faried
  Univ. Padjadjaran Hasan Sadikin Hospital
  Indonesia
- Agung Budi Sutiono
  Univ. Padjadjaran Hasan Sadikin Hospital
  Indonesia

Poster presentations Dec 14th(Sat)
- Chyngyshova Jamilya Amanovna
  Ministry of Health of the Kyrgyz Republic
  Kyrgyzstan
The 7th Asia Telemedicine Symposium

Dec 14 (Sat) Pattayapat Building, Chulalongkorn Hospital

Tutorials of Vidyo system 8:30-9:30

Panel Discussion 14:00-16:00

Recent topics and plans for the next year 16:30-18:00
The 7th Asia Telemedicine Symposium Report

The 7th Asia Telemedicine Symposium was held on December 13th and 14th in Bangkok, Thailand. This was the first time the symposium was held in Southeast Asia. There were 75 participants from 25 countries, including 55 attending in person and 20 joining remotely. Although there were initial concerns about the recent clashes between anti-government protesters and the police in Thailand, we found that there was no need for concern, and the secretariat of organizing committee in Thailand gave us a warm welcome.

In my view, the purpose of this symposium was to share updated information on knowledge, experiences, and activities from different medical and engineering fields in various countries and to make adaptations based on these updates. It was also important for participants to interact with people in different positions or occupations with similar interests or problems. In addition to the fascinating presentations, the hospital tours and evening receptions at Siriraj Hospital and Chulalongkorn Hospital were attended by many. It was an excellent occasion to get to know one another and to learn about each other’s cultures and backgrounds. The ties formed among the wide range of people in attendance have created tremendous opportunities around the topic of telemedicine.

Last but not least, I would like to express my sincere appreciation to everyone involved in the symposium and especially to the Thai organizers. I hope to see you all again next year in Fukuoka, Japan. (Saho Miyazaki)