

June 2 (Fri.)

Room 1 (4F: Mizuho-A) 9:30 ~ 10:00

## Opening Ceremony

### Declaration of Opening

Yeon Hyeon Choe, President of ASCI  
(Samsung Medical Center, Sungkyunkwan University School of  
Medicine, Korea)

### Greetings

Hajime Sakuma, Congress President of ASCI 2017  
(Mie University Graduate School of Medicine, Japan)

### Meeting Overview

Teruhito Mochizuki, Scientific Co-Chairman of ASCI 2017  
(Ehime University, Japan)

### Speech

Man Chung Han, Advisory Committee of ASCI  
(Seoul National University College of Medicine, Korea)

June 2 (Fri.)

Room 1 (4F: Mizuho-A) 10:00 ~ 11:30

## Plenary Session

Moderator: Yeon Hyeon Choe (Samsung Medical Center, Sungkyunkwan University School of  
Medicine, Korea)

Hajime Sakuma (Mie University Graduate School of Medicine, Japan)

co-sponsor: Bayer

### PS-1 Lessons Learned from 20 years of Cardiac Imaging

Joao Lima (Johns Hopkins University, USA)

### PS-2 CMR state of the art 2017

Eike Nagel (University Hospital Frankfurt, Germany)

### PS-3 Appropriate Utilization and Economics of Noninvasive Cardiovascular Imaging: Today and Future

Kanako Kumamaru (Juntendo University, Japan)

### PS-4 Future of Radiology and Medicine: "Will Future Technologies Replace Radiologists?"

Tae-Hwan Lim (Asan Medical Center, Korea)

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Room 1 (4F: Mizuho-A) 12:00 ~ 13:00

## Luncheon Symposium 4

Moderator: Carmen Chan (Queen Mary Hospital, Hong Kong/China)

co-sponsor: Siemens Healthcare K.K.

LS4

### The Frontier of Cardiac MRI

Debiao Li (Cedars-Sinai Medical Center, USA)

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Room 1 (4F: Mizuho-A) 14:00 ~ 15:30

## ASCI meets SCMR

### CMR in the Real-World Clinical Practice

Moderator: Sang Il Choi (Seoul National University Bundang Hospital, Korea)  
Fumiko Kimura (Psychosomatic Internal medicine clinic, Japan)

J-SCMR-1

### CMR in Hypertrophic Cardiomyopathy - Should All HCM Patients Undergo CMR

James Carr (Northwestern University, USA)

J-SCMR-2

### CMR in Acute Myocarditis - A Must for Every Case?

Mark Westwood (Barts Heart Centre, United Kingdom)

J-SCMR-3

### Measuring fluid dynamics in the aorta using MRI

Stuart M Grieve (University of Sydney, Australia)

J-SCMR-4

### CMR strain analysis - tools for research or clinical practice

Eike Nagel (University Hospital Frankfurt, Germany)

J-SCMR-5

### Heart Failure with Preserved EF - Role for CMR?

Masaki Ishida (Mie University Hospital, Japan)

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## ASCI meets ESCR

### The Test of Choice for Evaluation of Myocardial Ischemia

Moderator: Matthias Gutberlet (University Leipzig - Heart Center Leipzig, Germany)  
Yung-Liang Wan (Chang Gung University, Taiwan)

J-ESCR-1

### Myocardial perfusion SPECT is the best approach for detecting myocardial ischemia

Naoya Matsumoto (Nihon University Hospital, Japan)

J-ESCR-2

**Evaluation of coronary artery disease using PET**

Osamu Manabe (Hokkaido University of Graduate School of Medicine, Japan)

J-ESCR-3

**Stress CMR**

Luigi Natale (Catholic University of the Sacred Heart, Italy)

J-ESCR-4

**Stress CT**

Rozemarijn Vliegenthart (University Medical Center Groningen, Netherlands)

J-ESCR-5

**Current State of Noninvasive Fractional Flow Reserve Derived from Coronary CT Angiography**

Shinichiro Fujimoto (Juntendo University Graduate School of Medicine, Japan)

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## Morning Symposium 1

Moderator: Hiroaki Ito (EIZO Corporation - Sales & Marketing, Global Dept., Japan)

co-sponsor: EIZO Corporation

MS1

### All About Medical Imaging Monitors - Ask Us Anything

Kazuya Maeda (EIZO Corporation - R&D, Sales Engineering, Japan)

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Room 2+3 (4F: Mizuho-B+C) 12:00 ~ 13:00

## Luncheon Symposium 5

Moderator: Jong Min Lee (Kyungpook National University Hospital, Korea)

co-sponsor: Philips Electronics Japan LTD

LS5-1

### Feasibility of Philips IQon Spectral CT in the cardiac CT

Takeshi Nakaura (Kumamoto University, Japan)

LS5-2

### Dual energy CT and its cardiovascular application

Whal Lee (Seoul National University Hospital, Korea)

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Room 2 (4F: Mizuho-B) 14:00 ~ 15:30

## Best Young Presenter Award Session

BYPA-1

### Diagnosis of Ischemia-Causing Coronary Stenosis Using Simplified Bernoulli Formula

Nobuo Tomizawa (New Tokyo Hospital, Japan)

BYPA-2

### Significance of renal function in progression of coronary artery calcification

Wonjae Lee (Seoul National University Hospital, Korea)

BYPA-3

### Coronary flow index with dynamic 320-detector CT angiography: Comparison of myocardial flow reserve on 13N ammonia PET

Yuka Matsuo (Tokyo Women's Medical University, Japan)

BYPA-4

### Diagnostic value of delayed contrast-enhanced computed tomography in patients with known or suspected cardiac sarcoidosis

Tadao Aikawa (Hokkaido University Graduate School of Medicine, Japan)

**BYPA-5 Clinical use of FFRct in the evaluation of symptomatic patients with intermediate (50-70%) coronary stenosis**

Hannes Devos (UZ Brussel, Belgium)

**BYPA-6 Shunt quantification of atrial septal defects using 4D Flow MRI in a multicenter study: reproducible, reliable and re-measurable**

Raluca Chelu (Erasmus MC, Netherlands)

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## **Scientific Session 1**

### **Cardiomyopathies and Pulmonary Disease**

Moderator: Norihiko Yoshimura (Niigata University Medical and Dental Hospital, Japan)  
Tae Hoon Kim (Gangnam Severance Hospital, Korea)

**SS1-1 Myocardial fibrosis on cardiac magnetic resonance T1 imaging associates with adverse cardiac event in non-ischemic cardiomyopathy**

Akiko Sakai (Tokyo Women's Medical University, Japan)

**SS1-2 Correlation between myocardial fibrosis and left ventricular functional impairment in patients affected by diabetes mellitus type-II**

Iacopo Carbone (Sapienza University of Rome, Italy)

**SS1-3 Myocardial strain analysis and T1 mapping for evaluation of radiation-induced cardiac injury in patients with esophageal cancer**

Satoshi Higuchi (Tohoku University Graduate School of Medicine, Japan)

**SS1-4 Quantification of diffuse myocardial fibrosis in patients with severe aortic stenosis using an improved MOLLI T1-mapping sequence at 3T CMR**

Hui Liu (Guang Dong General Hospital, China)

**SS1-5 Pulmonary artery intimal sarcoma: CT, MRI, PET findings, and clinical findings comparing with pulmonary thromboembolism**

Joon-Won Kang (Asan Medical Center, Korea)

**SS1-6 A pulmonary artery to aorta ratio is a predictor of right ventricular failure after left ventricular assist device implantation**

Misato Chimura (Osaka University Graduate School of Medicine, Japan)

**SS1-7 Additional value of airway CT in obstructive sleep apnea: Quantitative analysis of carotid arterial calcification for predictor of cardiovascular disease**

Eun-Ju Kang (Dong-A University College of Medicine, Korea)

**SS1-8 Cardiac Magnetic Resonance Features of Later-onset Fabry Disease with IVS4 919G>A Mutation in Taiwan**

Sheng-Che Hung (Taipei Veterans General Hospital, Taiwan)

**SS1-9 Myocardial uptake of bone scintigraphic agents associated with cardiac amyloidosis in daily practice**

Shigeru Fukuzawa (Funabashi Municipal Medical Center, Japan)

**SS1-10 Multicenter study of sympathetic nerve imaging revealed the best cut-off value in heart failure patients irrespective of ischemic profile**

Shinro Matsuo (Kanazawa University, Japan)

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**Evening Symposium 2**

Moderator: Masahiro Terashima (Cardiovascular Imaging Clinic Iidabashi, Japan)

co-sponsor: GE Healthcare Japan Corporation

**ES2 Moving past the tape measure - 4D flow applications in thoracic aortic aneurysms**

Stuart Grieve (The University of Sydney, Australia)

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Room 3 (4F: Mizuho-C) 8:30 ~ 9:30

## Morning Symposium 2

Moderator: Sachio Kuribayashi (HIMEDIC Imaging Center at Lake Yamanaka, Japan)

co-sponsor: HeartFlow Japan G.K

### MS2 FFR<sub>CT</sub> in daily practice

Jonathon Leipsic (University of British Columbia, Canada)

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## Refresher Course 1

### Updates on CT

Moderator: Akira Kurata (Ehime University Graduate School of Medicine, Japan)

Joon-Won Kang (Asan Medical Center, Korea)

### RC1-1 Update on Cardiac CT-Calcium (CAC) Scoring

John Hoe (Mt Elizabeth Hospital, Singapore)

### RC1-2 Coronary CT angiography for plaque assessment

Sadako Motoyama (Fujita Health University, Japan)

### RC1-3 Hybrid Imaging

Oliver Gaemperli (University Hospital Zurich, Switzerland)

### RC1-4 Spectral CT

Rozemarijn Vliegenthart (University Medical Center Groningen, Netherlands)

### RC1-5 Use of Computational Fluid Dynamics in Coronary Artery Disease

Matthias Gutberlet (University Leipzig - Heart Center Leipzig, Germany)

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## Refresher Course 2

### Vascular Imaging

Moderator: Ryoichi Tanaka (Iwate Medical University, Japan)

James Carr (Northwestern University, USA)

### RC2-1 New Insights of Aortic Dissection: paradigm shift of disease concept and therapeutic strategy

Takuya Ueda (Seikeikai Chiba Medical Center, Japan)

- RC2-2**    **MR and CT Evaluation of Coarctation of Aorta**  
Gautham Reddy (University of Washington, USA)
- RC2-3**    **Cross-sectional Imaging of the Abdominal Aorta**  
Antonio C Westphalen (University of California, San Francisco, USA)
- RC2-4**    **Contrast-enhanced MRA of Peripheral Artery Disease**  
James Carr (Northwestern University, USA)
- RC2-5**    **Non-Contrast MRA: Past, Present, and Future**  
Mitsue Miyazaki (Toshiba Medical Research Institute, USA)

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### Evening Symposium 3

#### Diagnostic Frontier -Cardiac CT in Japan-

Moderator: Masahiro Jinzaki (Keio University School of Medicine, Japan)

co-sponsor: DAIICHI SANKYO CO.,LTD.

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- ES3-1**    **Myocardial CT Perfusion Imaging**  
Hideki Ota (Tohoku University Hospital, Japan)
  - ES3-2**    **CT imaging for structural heart disease**  
Yoshitake Yamada (Keio University School of Medicine, Japan)
  - ES3-3**    **Coronary CT angiography - Improvement in image quality -**  
Fuminari Tatsugami (Hiroshima University, Japan)



**Moderated Poster 1**

**Poster Presentation      Congenital Heart Disease**

Moderator: Chamaree Chuapetcharasopon (Radiological Society of Thailand, Thailand)

- MP1-1      Comparisons between single right and left ventricular myocardial function in Fontan physiology using feature tracking magnetic resonance strain**  
Akio Inage (Sakakibara Heart Institute, Japan)
- MP1-2      Evaluation of right ventricular myocardial deformation in repaired tetralogy of Fallot using feature tracking magnetic resonance strain**  
Akio Inage (Sakakibara Heart Institute, Japan)
- MP1-3      The relevance of the chest radiograph in congenital heart disease - correlation with cardiovascular magnetic resonance imaging**  
Ying Mei Wong (National University Hospital Singapore, Singapore)
- MP1-4      Congenital heart disease the single system heart in human- A radiographers guide to imaging**  
De Sheng Wong (Singapore General Hospital, Singapore)
- MP1-5      Cardiovascular Involvement in Williams Syndrome Assessed with 320 detector-row Computed Tomography**  
Chloe Steveson (Toshiba Medical Systems Corporation, Japan)
- MP1-6      ROLE OF MULTI-DETECTOR COMPUTED TOMOGRAPHY IN THE PULMONARY ATRESIA WITH VENTRICULAR SEPTAL DEFECT DISEASE**  
Son Phi Duong (Medic Medical Center, Viet Nam)
- MP1-7      Cardiac Magnetic Resonance Evaluation in Post Fontan Procedure**  
Oktavia Lilyasari (Faculty of Medicine Universitas Indonesia, Indonesia)
- MP1-8      Evaluation of pulmonary perfusion in Tetralogy of Fallot after repair**  
Ryo Ogawa (Ehime University Graduate School of Medicine, Japan)

## Poster Presentation      Myocardial Tissue Characterization

Moderator: Gary Liew (University of Melbourne, Australia)

- MP1-9      Cardiac Amyloidosis: Multimodality Imaging Review with Emphasis on CT Findings**  
Jyothirmayi Velaga (Changi General Hospital, Singapore)
- MP1-10      Multi-parametric quantitative analysis of cardiac amyloidosis using Feature Tracking and T1 Mapping cardiac magnetic resonance: comparison with healthy control subjects**  
Jin Young Kim (Keimyung University, Dongsan Medical Center, Korea)
- MP1-11      Cardiac Amyloidosis: Evaluation with cardiac MRI**  
Yun-Hyeon Kim (Chonnam National University Hospital, Korea)
- MP1-12      Clinical Value of Myocardial T1 Map Obtained Using SMART1Map: Difference between Healthy People and HOCM Patients**  
Shunsuke Matsumoto (Keio University School of Medicine, Japan)
- MP1-13      Clinical application of T1-, T2-mapping in cardiac magnetic resonance imaging for ischemic cardiomyopathy: A case based review**  
Chul Hwan Park (Gangnam Severance Hospital, Korea)
- MP1-14      Clinical application of T1-, T2-mapping in cardiac magnetic resonance imaging for nonischemic cardiomyopathy: A case based review**  
Yoojin Hong (Severance Hospital, Korea)
- MP1-15      Quantitative T1 mapping for detection of microvascular obstruction following reperfusion of myocardial infarction: comparison with late gadolinium-enhanced images**  
Chul Hwan Park (Gangnam Severance Hospital, Korea)
- MP1-16      Effect of hematocrit changes on myocardial extracellular volume fraction quantification with contrast-enhanced T1-mapping cardiac MRI in anemic rat models**  
Sanga Lee (Severance Hospital, Yonsei University College of Medicine, Korea)

## Poster Presentation      Nuclear Medicine and Ultrasound

Moderator: Makoto Ootaki (Yamanako Clinic, Japan)

- MP1-17      Influencing factors in discordance of aortic valve area using Doppler echocardiography and cardiac MR in aortic stenosis**  
Song Soo Kim (Chungnam National University Hospital, Korea)
- MP1-18      Systolic Apical Cavity Obliteration Predicts Electrocardiogram T Waves Inversion in Apical Hypertrophic Cardiomyopathy**  
Hak Chiaw Tang (National Heart Centre Singapore, Singapore)
- MP1-19      The Drifted Vessel**  
Jien Sze Ho (National Heart Centre Singapore, Singapore)
- MP1-20      Usefulness of Hybrid Ischemia Assessment Using Stress Nuclear Myocardial Perfusion Imaging and 320 Detector Row Computed Tomography**  
Yasuyuki Suzuki (Nihon University Hospital, Japan)
- MP1-21      Additional value of brachial-ankle pulse wave velocity to single-photon emission computed tomography in the diagnosis of coronary artery disease**  
Kyeongmin Jang (SMG-SNU Boramae Medical Center, Korea)
- MP1-22      Characteristics of cardiac FDG accumulation on PET/CT in patients with chronic and paroxysmal atrial fibrillation**  
Emiri Watanabe (Ehime University Graduate School of Medicine, Japan)
- MP1-23      Low diagnostic accuracy of myocardial perfusion SPECT in the diagnosis of left main coronary artery disease**  
Hack-Young Kim (Boramae Medical Center, Korea)

## Poster Presentation      Aortic Valve and Great Vessels

Moderator: Masahiro Higashi (National Hospital Organization Osaka National Hospital, Japan)

- MP1-24      Computed tomographic angiography of Adamkiewicz artery using small focal spot**  
Masahiro Higashi (National Hospital Organization Osaka National Hospital, Japan)
- MP1-25      Evaluation of vessel wall displacement of aortic dissection : using MDCT and multi-phase volume interpolation technology**  
Hiroichi Yokoyama (Asahikawa Medical University, Japan)

- MP1-26 Evaluation of the Volume/Helical Scan Technique for Transcatheter Aortic Valve Replacement Imaging with 320 Detector-Row CT**  
Chloe Steveson (Toshiba Medical Systems Corporation, Japan)
- MP1-27 The Basal Ring Area Measurement in the Prospective Electrocardiogram-Triggered High-Pitch Double-Spiral Scan: Comparisons with Retrospective Single Spiral Scan**  
Tatsuya Nishii (Kobe University Graduate School of Medicine, Japan)
- MP1-28 Reducing Radiation Dose and Contrast Volume in Preprocedural CT Prior to Transcatheter Aortic Valve Replacement using Modified Volumetric Scanning**  
Jien Sze Ho (National Heart Centre Singapore, Singapore)
- MP1-29 Prosthetic heart valve assessment with 640-Slice MSCT: Initial Experience in 28 patients with 36Valves**  
Trinh X Nguyen (MEDIC Medical Center, Ho Chi Minh City, Vietnam, Viet Nam)
- MP1-30 PATIENT-SPECIFIC STUDY OF STRESS AREAS OF THE PATHOLOGICAL AORTA. A COMBINED 4D FLOW MRI - COMPUTATIONAL FLUID DYNAMICS ANALYSIS**  
Clément Acquitter (Tohoku University, Japan)

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## **Poster Presentation      Advancement in CT**

Moderator: Yoko Saito (Hiroasaki University Graduate School of Health Sciences, Japan)

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- MP1-31 Accuracy of volume-CT in Coronary CTA with severe calcification**  
Tsyh-Jyi Hsieh (Chi Mei Medical Center, Taiwan)
- MP1-32 Reconstructed cardiac phase in DSCT coronary angiography in patients with Atrial fibrillation**  
Norihiro Yoshimura (Niigata University Medical and Dental Hospital, Japan)
- MP1-33 Measuring myocardial extracellular volume using dual-energy computed tomography immediately after percutaneous coronary intervention in patients with acute myocardial infarction**  
Hiromi Hashimura (Nishinomiya Watanabe Cardiovascular Center, Japan)
- MP1-34 Test bolus technique using tube voltage of 70 kV for coronary computed tomography angiography**  
Yuji Ueda (Nishinomiya Watanabe Cardiovascular Center, Japan)
- MP1-35 Which changes of apo E -/- mice can we detect in micro-CT ?**  
Dong Hun Kim (Chosun University, College of Medicine, Korea)

- MP1-36 A Comparison of Radiation Dose in Single-beat and Multiple-beat 320-slice Computed Tomography Angiography**  
Chiyu Liu (National Heart Centre Singapore, Singapore)
- MP1-37 Low Contrast Concentration and Ultralow Radiation Dose Protocol for Coronary Stent Imaging Using High-Definition 256-Detector CT**  
Ming-Ting Wu (Kaohsiung Veterans General Hospital, Taiwan)
- MP1-38 Effective Dose Estimation for Vascular Computed Tomography Using Size-Specific Dose Estimation**  
Yoko Saito (Hiroaki University Graduate School of Health Sciences, Japan)

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## **Poster Presentation      Chest Pain Syndromes**

Moderator: Hoang Minh Loi (Hue University of Medicine and Pharmacy, Vietnam)

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- MP1-39 CT diagnosis of nonspecific acute chest pain in the emergency department: from typical acute coronary syndrome to various unusual mimics**  
Seung Min Yoo (CHA University Bundang Medical Center, Korea)
- MP1-40 Colour Doppler mirror artifact mimicking unusual systolic flow in the left ventricle in patient with mechanical bileaflet mitral valve prostheses**  
Tiong Keng Lim (Duke NUS, Singapore)
- MP1-41 The Role of Cardiac Magnetic Resonance Imaging in Atypical Presentation of Myocardial Ischemia**  
Cut Arsy Rahmi (Padjadjaran University, Indonesia)
- MP1-42 2 Cases of Young Men Presenting with Chest Pain**  
Marjurie B Demo-os (Changi General Hospital, Singapore)
- MP1-43 An Uncommon Cause of Hoarseness and Palpitations**  
Ignasius A Jappar (National Heart Centre Singapore, Singapore)
- MP1-44 A common presentation of chest pain in an uncommon disease**  
Toi Meng Mok (Centro Hospitalar Conde de Sao Januario, China)
- MP1-45 A fractured heart**  
Ying Zi Oh (National Heart Centre, Singapore)
- MP1-46 Myocardial infarction or not Myocardial infarction?**  
Chun Pong Wong (Khoo Teck Puat Hospital, Singapore)

**MP1-47 MSCT/Lung Perfusion Scan on Patient with Atrial Fibrillation: Findings of Pneumothorax and Thrombus**

Deo Idarto (Udayana University School of Medicine, Indonesia)

**MP1-48 PULMONARY EMBOLISM IN HIV ASSOCIATED CARDIOMYOPATHY**

Lusiani Rusdi (Faculty of Medicine, University of Indonesia, Indonesia)

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**Poster Presentation      Vascular**

Moderator: Lusiani Rusdi (Faculty of Medicine, University of Indonesia, Indonesia)

Yasutaka Ichikawa (Mie University Hospital, Japan)

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**MP1-49 withdrawn**

**MP1-50 Aortic Dissection? Or Not?**

Ki Fung Cliff Li (Tan Tock Seng Hospital, Singapore)

**MP1-51 Aortic Dissection with Concomitant Acute Myocardial Infarction**

Lusiani Rusdi (Faculty of Medicine, University of Indonesia, Indonesia)

**MP1-52 Hemorrhage extending to Pulmonary Artery from Stanford type A Aortic Dissection**

Hwanseok Yong (Korea University Guro Hospital, Korea)

**MP1-53 withdrawn**

**MP1-54 Collapse of Balloon-Expandable Stent in the Common Iliac Artery Due to Minor External Compression in a Lean Patient**

Sung Eun Park (Gyeongsang National University Hospital, Korea)

**MP1-55 Useful of lower limb blood flow measurement by phase contrast imaging for determining Fontan completion indication in caudal regression syndrome**

Akio Inage (Sakakibara Heart Institute, Japan)

**MP1-56 Effectiveness of CT angiography detecting vascular aneurysm in patient with polyarteritis nodosa(PAN)**

Daehyun Hwang (Hallym University Dongtan Sacred Heart Hospital, Korea)