



Asan International Medical Symposium 2013

June 21-22, 2013

Asan Medical Center, Seoul, Korea

"Minimally Invasive Surgery & Intervention"

- Innovative Future For Medical Science & Technology -



서울아산병원
Asan Medical Center

* 대한의사협회 연수평점: 총 12점 (6월 21, 22일 각 6점)

Asan International Medical Symposium 2013

June 21-22, 2013
Asan Medical Center, Seoul, Korea

INVITATION

Dear Esteemed Colleagues,

The Asan Medical Center has since its establishment in 1989, led the development and globalization of Korean medicine. As such, we plan to hold the 2013 Asan International Medical Symposium (AIMS) under the theme of "Minimally Invasive Surgery & Intervention (MIS)".

Owing to the current development of medical technology and improved awareness on the need to raise the quality of treatment, MIS is becoming the major talking point of the medical field. In fact, the practice of MIS is rapidly increasing worldwide and much research and investment is being made in it using robot technology for safer and more precise surgeries. These latest trends and the application scope of MIS are expanding that it is expected to play a pivotal role in leading the direction of future innovative medical technology development.

As such, 2013 AIMS will have the participation of outstanding research teams and experts of over 10 departments from various medical institutions of the United States, Australia, Europe, and Asia. At the symposium, they are expected to share guidelines and future development models for diagnosis and treatment as well as the latest MIS trends.

The symposium will have not only strictly selected lectures on recently rising themes but also various exhibitions and discussion sessions to share the latest vision of MIS and provide beneficial information.

We therefore would like to take this opportunity to invite you, a medical professional to lead future in the field of medical technology, to 2013 AIMS, where you will be able to check the current state and vision of MIS, currently drawing much attention as a key technology of the 21st century.



A handwritten signature in black ink, appearing to read 'Swpark', written in a fluid, cursive style.

Seong-Wook Park M.D., Ph.D.
President and Chief Executive Officer, AMC
Professor of Cardiology,
University of Ulsan College of Medicine

Program at a glance

Asan International Medical Symposium 2013 (Tentative)

	Jun 21 (Day 1)	Jun 21 (Day 2)		
07:30				
08:00	Registration	Meet the Professor Session		
09:00	Pre-Session I	Registration		
10:00	Pre-Session II	Plenary Session I		
11:00	Coffee Break			
	Pre-Session III	Coffee Break		
12:00		Plenary Session II		
13:00	Luncheon	Luncheon		
14:00	Opening Ceremony			
	Keynote Speech	Satellite Session II - 1	Satellite Session II - 2	Satellite Session II - 3
15:00	Coffee Break			
16:00	Satellite Session I - 1	Coffee Break		
	Satellite Session I - 2	Satellite Session III - 1	Satellite Session III - 2	Satellite Session III - 3
17:00	Satellite Session I - 3			
		Closing Remarks		
18:00				
19:00	Welcome Dinner			
20:00				

International Speakers

■ Plenary Session



Jean-Pierre Pelage

Dept. of Diagnostic Imaging
and Interventional Radiology
Caen University and
Medical Center, France



Jeffrey A. Cadeddu

Dept. of Urology
University of Texas
Southwestern
Medical Center, USA



Masaaki Andou

Dept. of Gynecology
Kurashiki
Medical Center, Japan



Paolo Dario

The Biorobotics Institute
Scuola Superiore
Sant' Anna in Pisater, Italy

■ Satellite Session



Audrey Fohlen

Dept. of Diagnostic Imaging
and Interventional Radiology
Caen University and
Medical Center, France



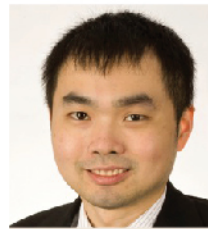
Changqing Gao

Dept. of Cardiovascular
Surgery
PLA General Hospital,
China



Felix JF Herth

Dept. of Pneumology and
Critical Medicine
Thoraxklinik, University
of Heidelberg, Germany



Gerald Yong

Dept. of Cardiology
Royal Perth Hospital,
Australia



Gerard Cox

Dept. of Medicine
McMaster University,
Canada



Hironori Kaneko

Dept. of Surgery
Toho University, Japan



Isaac Kim

Dept. of Urologic Oncology
The Cancer Institute
of New Jersey, Robert Wood
Johnson Medical School, USA



Joao Pisco

Dept. of Radiology
New University of Lisbon
and St. Louis Hospital,
Portugal



Manabu Ito

Dept. of Advanced Medicine
for Spine and Spinal Disorders
Hokkaido University Graduate
School of Medicine, Japan



Michael L Kendrick

Dept. of Gastroenterologic
and General Surgery
Mayo Clinic College
of Medicine, USA



Noriyuki Inaki

Dept. of Gastroenterological
Surgery
Ishikawa Prefectural Central
Hospital, Japan



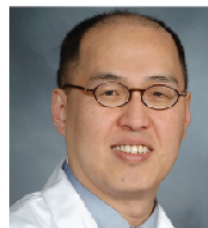
Olivier Soubrane

Dept. of Hepatobiliary Surgery
and Liver Transplant
Saint Antoine Hospital,
UPMC, France



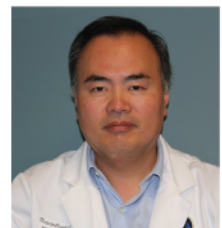
Paul Noh

Dept. of Pediatric Urology
Cincinnati Children's
Hospital Medical Center,
USA



Sang W. Lee

Dept. of Surgery
NYPH Weill-Cornell Medical
College, USA



William Choi

Dept. of Neurosurgery
Sky Ridge Medical Center,
Precision Spine Center, USA

Domestic Chairs & Speakers

CHAIRS

Byung Sik Kim (Asan Medical Center, Korea)
Choung Soo Kim (Asan Medical Center, Korea)
Dong-Ho Lee (Asan Medical Center, Korea)
Hanjong Ahn (Asan Medical Center, Korea)
Hyeon Hoe Kim (Seoul National University Hospital, Korea)
Hyung Jin Shim (Chung-Ang University Hospital, Korea)
Hyun-Ki Yoon (Asan Medical Center, Korea)
Jae Yong Chung (Inje University Sanggye Paik Hospital, Korea)
Jeong-Meen Seo (Samsung Medical Center, Korea)

Joo-Hyun Nam (Asan Medical Center, Korea)
Ki-Hun Kim (Asan Medical Center, Korea)
Ki-Suck Jung (Hallym University Medical Center, Korea)
Sang-Do Lee (Asan Medical Center, Korea)
Seung-Jung Park (Asan Medical Center, Korea)
Song-Cheol Kim (Asan Medical Center, Korea)
Tae-Jin Yun (Asan Medical Center, Korea)
Tae-Kon Hwang (Seoul St. Mary's Hospital, Korea)
Woo Jung Lee (Severance Hospital, Korea)
Young-Tak Kim (Asan Medical Center, Korea)

SPEAKERS

Keynote Speech

Heung-Nam Kim (Electronics and Telecommunications
Research Institute, Korea)

Pre-Session I, II, III

Byung-Ju Yi (Hanyang University, Korea)
Dong-Soo Kwon (KAIST, Korea)
Jong-Oh Park (Chonnam National University, Korea)
Joon Beom Seo (Asan Medical Center, Korea)
Sungchul Kang (KIST, Korea)
Sung-Hyun Jung (Hyundai Heavy Industries, Korea)
Woo Jung Lee (Severance Hospital, Korea)
Young Soo Kim (Hanyang University Medical Center, Korea)

Gastrointestinal Surgery & Interventional Endoscopy

Ho June Song (Asan Medical Center, Korea)
Jeong-Sik Byeon (Asan Medical Center, Korea)

Pulmonology, Bronchoscopy & Thoracic Surgery

Sehoon Choi (Asan Medical Center, Korea)
Sei Won Lee (Asan Medical Center, Korea)
Yong-Hee Kim (Asan Medical Center, Korea)

Spine Surgery

Seok Woo Kim (Hallym University Medical Center, Korea)
Yoon Ha (Severance Hospital, Korea)

About Asan Medical Center

Asan Medical Center is the parent of seven hospitals which are part of the Asan Foundation established in 1977 and has non-profit operations in areas including healthcare, social work, scholarship, and R&D support. In particular, providing equal opportunity access to top-quality healthcare for residents in rural areas, AMC hospitals have become the embodiment of the Asan Foundation's mission and also that of their founder, Mr. Chung Ju-Yung, whose philosophy was "to help the neediest in our society."

With an area greater than 8 million sq. ft. and with 2,791 beds, Asan Medical Center is the largest hospital in Korea. AMC's first-class doctors and specialists, cutting-edge equipment, and advanced patient care system are the factors behind its position as the leader of Korea's medical society. AMC treats 10,449 outpatients and 268 emergency patients on an average day. It also performs 62,637 highly complex surgeries each year. Asan Medical Center enjoys the reputation of being the hospital most visited by Korean people.

Hepato-Biliary-Pancreat Surgery & Interventional Endoscopy

Do Hyun Park (Asan Medical Center, Korea)

Urology

Ill Young Seo (Wonkwang University Hospital, Korea)
Woong Kyu Han (Severance Hospital, Korea)

Cardiology, Thoracic & Cardiovascular Surgery (Heart part)

Seung-Jung Park (Asan Medical Center, Korea)
Seung-Whan Lee (Asan Medical Center, Korea)
Sung-Ho Jung (Asan Medical Center, Korea)
Tae-Jin Yun (Asan Medical Center, Korea)
Young-Hak Kim (Asan Medical Center, Korea)

Obstetrics & Gynecology

Dae-Yeon Kim (Asan Medical Center, Dept. of Obstetrics and
Gynecology, Korea)
Joong Sub Choi (Hanyang University Medical Center, Korea)
Tae Joong Kim (Samsung Medical Center, Korea)

Pediatric Surgery & Pediatric Urology

Dae Yeon Kim (Asan Medical Center, Dept. of Pediatric Surgery, Korea)
Kun Suk Kim (Asan Medical Center, Korea)





Tentative Program

DAY 1, JUNE 21 FRIDAY

TIME	LECTURE TITLES	SPEAKERS
08:00 - 09:00	Registration	Lobby (6F)
09:00 - 10:00	Pre-Session I : Development of Surgical Robotics in Korea	Chair : Song-Cheol Kim (Asan Medical Center, Korea) Grand Auditorium (6F)
	- Small-scale Endoscopic Surgical Robots	Sungchul Kang (KIST, Korea)
	- Robotic Simulator Development in Korea	Jong-Oh Park (Chonnam National University, Korea)
	- Needle Insertion Robot Development in Korea	Joon Beom Seo (Asan Medical Center, Korea)
	- Image-Guided Surgical Procedures in ENT Surgery	Byung-Ju Yi (Hanyang University Medical Center, Korea)
10:00 - 10:45	Pre-Session II : History of Surgical Robotics Development	Chair : Choung Soo Kim (Asan Medical Center, Korea) Grand Auditorium (6F)
	- Robotic Surgery in Medical Treatment : Towards MIS & Intelligence	Dong-Soo Kwon (KAIST, Korea)
10:45 - 11:00	Coffee Break	
11:00 - 12:00	Pre-Session III : Future of Surgical Robotics	Chair : Woo Jung Lee (Severance Hospital, Korea) Grand Auditorium (6F)
	- Current Status and Development of Surgical Robotic System in Korea	Woo Jung Lee (Severance Hospital, Korea)
	- Discussion : Future of Surgical Robotics	Joon Beom Seo, Young Soo Kim, Sungchul Kang, Dong-Soo Kwon, Sung-Hyun Jung, Jong-Oh Park
12:00 - 13:30	Lunch	
13:30 - 14:00	Opening Ceremony	Grand Auditorium (6F)
	- Opening Address	Choung Soo Kim (Chairman, Asan Institute for Life Sciences & Chief Research Officer, Korea)
	- Welcome Remarks	Seong-Wook Park (President & CEO, Asan Medical Center, Korea)
	- Congratulatory Remarks	Youngchan Lee (Vice Minister, Ministry of Health & Welfare, Korea)
14:00 - 15:00	Keynote Speech	Chair : Sang-Do Lee (Asan Medical Center, Korea) Grand Auditorium (6F)
	- Korean Needs for Smart Health Care and ETRI's R&D Portfolio in Health Monitoring Field	Heung-Nam Kim (President, Electronics and Telecommunications Research Institute, Korea)
15:00 - 15:30	Coffee Break	
15:30 - 17:30	Satellite Session I	
	Gastrointestinal Surgery & Interventional Endoscopy	Chair : Byung Sik Kim (Asan Medical Center, Korea) Grand Auditorium (6F)
S1-1	- Totally Laparoscopic Total Gastrectomy for Gastric Cancer	Noriyuki Inaki (Ishikawa Prefectural Central Hospital, Japan)
	- Endoscopic Treatment for Early Gastric Cancer	Ho June Song (Asan Medical Center, Korea)
	- The Future of Minimally Invasive Colorectal Surgery	Sang W. Lee (NYPH Weill-Cornell Medical College, USA)
	- Endoscopic Management of Early Colorectal Cancer	Jeong-Sik Byeon (Asan Medical Center, Korea)
	Pulmonology, Bronchoscopy & Thoracic Surgery	Chair : Ki-Suck Jung (Hallym University Medical Center, Korea) Auditorium (6F)
S1-2	- Bronchial Thermoplasty: A New Treatment for Severe Asthma	Gerard Cox (McMaster University, Canada)
	- Wide Application of Minimally Invasive Technique in Thoracic Surgery	Yong-Hee Kim (Asan Medical Center, Korea)
	- Endoscopic Lung Volume Reduction: Lessons from Clinical Trials	Felix JF Herth (Thoraxklinik, University of Heidelberg, Germany)
	- Endoscopic Management of Airway Diseases in Koreans	Sei Won Lee (Asan Medical Center, Korea)
	- Surgery for Bullous Disease and Emphysema	Sehoon Choi (Asan Medical Center, Korea)
	Spine Surgery	Chair : Dong-Ho Lee (Asan Medical Center, Korea) Seminar room # 1 (6F)
S1-3	- Application of 3D Navigation and Robotics in Spine Surgery	William Choi (Sky Ridge Medical Center, Precision Spine Center, USA)
	- Applications of Modern Information Technology for Difficult Spinal Reconstruction Surgery: More We Can Do without Navigation	Manabu Ito (Hokkaido University Graduate School of Medicine, Japan)
	- Robot Application for Spine Surgery	Yoon Ha (Severance Hospital, Korea)
	- Robot Assisted Spine Surgery	Seok Woo Kim (Hallym University Medical Center, Korea)
18:00 - 20:00	Welcome Dinner	Asan Hall, Asan Institute for Life Sciences Building (15F)

TIME	LECTURE TITLES	SPEAKERS
07:30 - 09:00	Meet the Professor Session (with breakfast)	
09:00 - 09:30	Registration	Lobby (6F)
09:30 - 11:00	Plenary Session I	Chair : Young-Tak Kim (Asan Medical Center, Korea) Grand Auditorium (6F) Tae-Kon Hwang (Seoul St. Mary's Hospital, Korea)
	Obstetrics & Gynecology	
	- Reconstructive Surgical Techniques after Extensive Laparoscopic Surgery	Masaaki Andou (Kurashiki Medical Center, Japan)
	Urology	
	- LESS and NOTES in Urology: Current Applications and Novel Instruments	Jeffrey A. Cadeddu (University of Texas Southwestern Medical Center, USA)
	Radiology	
	- Uterine Fibroid Embolization: Evidence-Based Approach	Jean-Pierre Pelage (Caen University and Medical Center, France)
11:00 - 11:30	Coffee Break	
11:30 - 12:10	Plenary Session II	Chair : Byung Sik Kim (Asan Medical Center, Korea) Grand Auditorium (6F)
	- Development of Surgical Robotics	Paolo Dario (Scuola Superiore Sant' Anna in Pisater, Italy)
12:10 - 13:30	Lunch	
13:30 - 15:30	Satellite Session II	
	Hepatio-Biliary-Pancreat Surgery & Interventional Endoscopy	Chair : Song-Cheol Kim (Asan Medical Center, Korea) Grand Auditorium (6F) Ki-Hun Kim (Asan Medical Center, Korea)
	- Minimally Invasive Pancreaticoduodenectomy	Michael L Kendrick (Mayo Clinic College of Medicine, USA)
	- Endoscopic Ultrasound-guided Transmural Drainage for Peripancreatic Fluid Collections or Pancreatic Ductal Dilatation after Pancreatic Resection	Do Hyun Park (Asan Medical Center, Korea)
	- Therapeutic Strategy of Hepatocellular Carcinoma by Laparoscopic Liver Resection	Hironori Kaneko (Toho University, Japan)
	- Laparoscopic Liver Surgery	Olivier Soubrane (Saint Antoine Hospital, UPMC, France)
	Urology & Radiology	Auditorium (6F)
	Minimally Invasive Reconstructive Surgery in Urology	Chair : Hyeon Hoe Kim (Seoul National University Hospital, Korea) Hanjong Ahn (Asan Medical Center, Korea)
	- Robotic Reconstructive Surgery	Isaac Kim (The Cancer Institute of New Jersey, Robert Wood Johnson Medical School, USA)
	- LESS (Laparoendoscopic Single-Site) Reconstructive Surgery	Woong Kyu Han (Severance Hospital, Korea)
	- Laparoscopic Reconstructive Surgery	Ill Young Seo (Wonkwang University Hospital, Korea)
	Recent Updates on Genitourinary Tract Embolization	Chair : Hyun-Ki Yoon (Asan Medical Center, Korea), Hyung Jin Shim (Chung-Ang University Hospital, Korea)
	- What's New on Transcatheter Embolization	Audrey Fohlen (Caen University and Medical Center, France)
	- Prostate Arterial Embolization to Benign Prostatic Hyperplasia	Joao Pisco (New University of Lisbon and St. Louis Hospital, Portugal)
	- Discussion	
	Cardiology, Thoracic & Cardiovascular Surgery (Heart part)	Chair : Tae-Jin Yun (Asan Medical Center, Korea) Seminar room # 1 (6F)
	- 600 Cases of Robotic Cardiac Surgery: A Single Center, Single Surgeon Experience	Changqing Gao (PLA General Hospital, China)
	- Hybrid Procedures for Babies with Congenital Heart Disease	Tae-Jin Yun (Asan Medical Center, Korea)
	- Application of Da Vinci Surgical Robot System in Cardiac Surgery	Sung-Ho Jung (Asan Medical Center, Korea)
15:30 - 16:00	Coffee Break	
16:00 - 17:30	Satellite Session III	
	Obstetrics & Gynaecology	Chair : Joo-Hyun Nam (Asan Medical Center, Korea) Seminar room #7 (6F)
	- Introduction of RPS into Gynecologic Malignancy (Single Port Laparoscopy/Reduced Port size Surgery)	Masaaki Andou (Kurashiki Medical Center, Japan)
	- Laparoscopic Debulking Surgery for Women with Advanced Ovarian Cancer	Joong Sub Choi (Hanyang University Medical Center, Korea)
	- Single Port Robotic Surgery in Gynaecology	Dae-Yeon Kim (Asan Medical Center, Dept. of Obstetrics and Gynecology, Korea)
	- Recent Advances in Single Port Instruments	Tae Joong Kim (Samsung Medical Center, Korea)
	Pediatric Surgery & Pediatric Urology	Chair : Jeong-Meen Seo (Samsung Medical Center, Korea) Auditorium (6F) Jae Yong Chung (Inje University Sanggye-Paik Hospital, Korea)
	- Minimal Invasive Surgery in Neonates	Dae Yeon Kim (Asan Medical Center, Dept. of Pediatric Surgery, Korea)
	- Laparoscopic Surgery in Renal Disease	Kun Suk Kim (Asan Medical Center, Korea)
	- Recent Trends of Robotic and LESS Surgery in Children	Paul Noh (Cincinnati Children's Hospital Medical Center, USA)
	- Discussion	
	Cardiology, Thoracic & Cardiovascular Surgery (Heart part)	Chair : Seung-Jung Park (Asan Medical Center, Korea) Seminar room # 1 (6F)
	- Fewer Stents Better Outcomes: Functional Angioplasty Using Fractional Flow Reserve	Seung-Jung Park (Asan Medical Center, Korea)
	- Transcatheter Aortic Valve Implantation in Asian Pacific Countries	Gerald Yong (Royal Perth Hospital, Australia)
	- Non-operative Treatment of Unprotected Left Main Coronary Artery Stenosis	Young-Hak Kim (Asan Medical Center, Korea)
	- Percutaneous Repair of Aortic Disease	Seung-Whan Lee (Asan Medical Center, Korea)
	- Discussion	
17:30	Closing Remarks	

