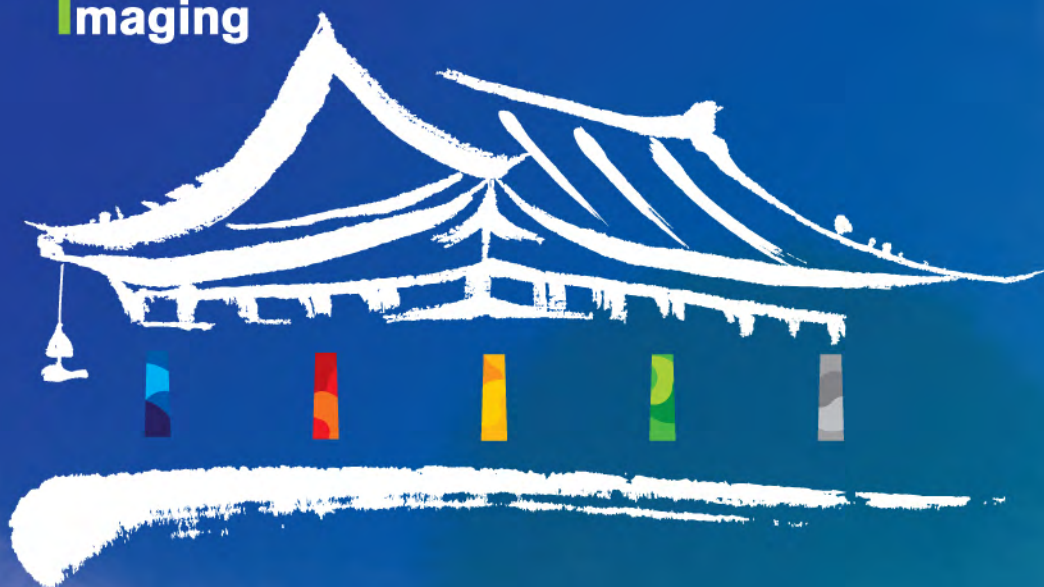


3rd WORLD CONGRESS OF THORACIC IMAGING

June 8 (Sat) - 11 (Tue), 2013
COEX, Seoul, Korea

www.wcti2013.org

Worldwide
Communication through
Thoracic
Imaging



PROGRAM & ABSTRACT BOOK

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Welcome Message



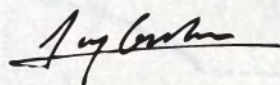
On behalf of the Organizing Committee of the 3rd World Congress of Thoracic Imaging (3rd WCTI), it is our great honor and pleasure to welcome you to the 3rd WCTI, which will be held from June 8th to 11th, 2013 in Seoul, Korea.

A large number of professors, doctors, and distinguished leaders from all around the world will come together to discuss recently emerging issues and exchange the latest information in the field of thoracic radiology.

The Organizing Committee has designed the best possible program with high quality scientific sessions to provide participants with a great opportunity to keep up-to-date with the latest research findings, and with essential educational sessions as well. To this end, the 3rd WCTI has invited more than 110 world renowned scholars from 23 countries. The scientific program will consist of Plenary Lectures, Instructional Courses, Image Interpretation Session, Concurrent Oral Sessions, and Poster Sessions. We have also prepared a Pre-Congress Course for junior radiologists and the general audience.

We hope that all of our efforts will create a momentum to go beyond differences such as nationality, age, and career, and advance together in harmony toward the development of thoracic imaging and toward the enhancement of human health.

Sincerely yours,



Jung-Gi Im, M.D.
President, Organizing Committee
3rd World Congress of Thoracic Imaging



Congress Information

Congress Title	3 rd World Congress of Thoracic Imaging (3 rd WCTI)
Date	June 8 (Sat) - 11 (Tue), 2013
Venue	COEX, Seoul, Korea
Official Language	English
Website	www.wcti2013.org
Theme	Worldwide Communication through Thoracic Imaging

3rd WCTI Organization

3rd WCTI Organizing Committee

President



Jung-Gi Im

Vice Presidents



David Hansell
Fleischner Society



Melissa Rosado-
de-Christenson
STR



Martine
Remy-Jardin
ESTI



Kiyoshi Murata
JSTR



Eun-Young Kang
KSTR

Secretary General



Ki-Nam Lee

Program Committee Chair



Theresa McLoud

Scientific Committee Chair



Kyung Soo Lee

Treasurer

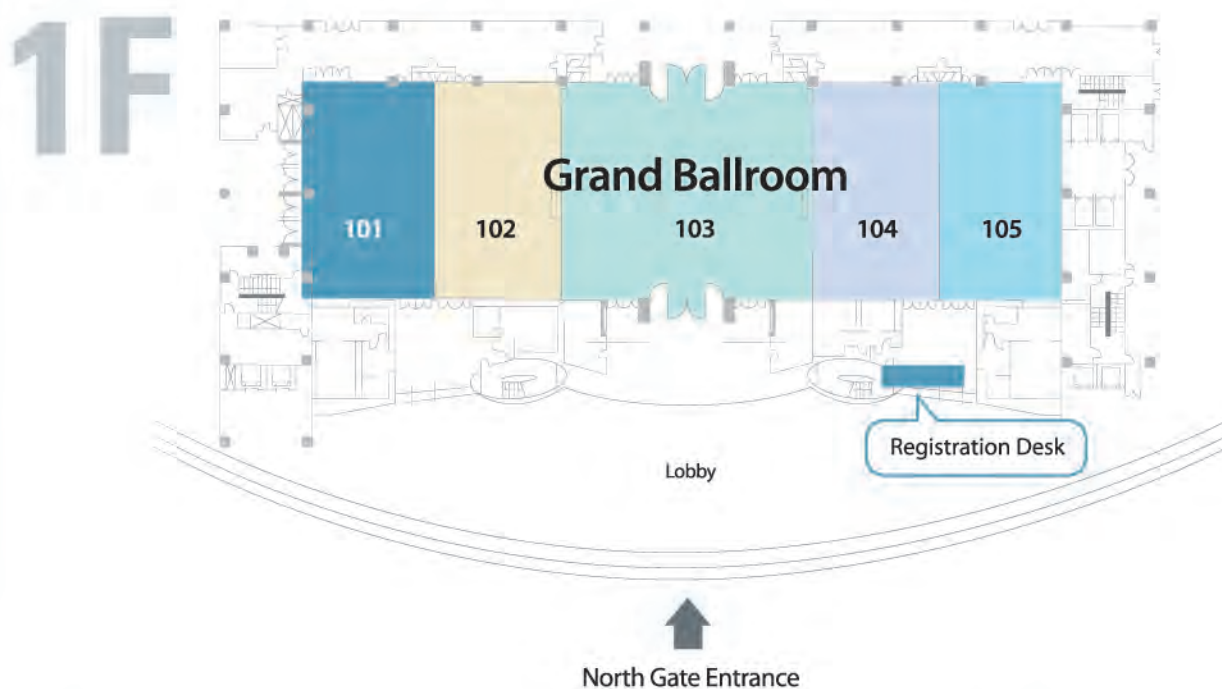


Choong-Ki Park

3rd WCTI Local Organizing Committee

Finance Subcommittee	<i>Chair</i> <i>Secretary</i> <i>Members</i>	Choong-Ki Park Jae-Woo Song Yun-Hyeon Kim	Sang Hyun Paik
Planning Subcommittee	<i>Chair</i> <i>Secretary</i> <i>Members</i>	Jae-Woo Song Yun-Hyeon Kim Byoung Wook Choi Yookyung Kim Joon Beom Seo	Jin Mo Goo Jae Kyo Lee Sang Jin Kim
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Social Program Subcommittee	<i>Chair</i> <i>Secretary</i> <i>Members</i>	Chan-Sup Park Sang Hyun Paik Young Hi Choi Eil Seong Lee Sang Min Lee	Joung Sook Kim Kyoung Hee Lee Yon Mi Sung

Floor Plans



101

- June 9**
- Scientific Session 1, 6
 - Instructional Course 1
 - Satellite Symposium 1-1
- June 10**
- Scientific Session 10, 15
 - Instructional Course 5, 8
 - Satellite Symposium 2-1
- June 11**
- Scientific Session 20
 - Instructional Course 11

102

- June 9**
- Scientific Session 2, 7
- June 10**
- Scientific Session 11, 16
- June 11**
- Scientific Session 21

103

- June 8**
- Pre-Congress Course
- June 9**
- Scientific Session 3
 - Instructional Course 2
 - Satellite Symposium 1-2
 - Welcome Reception
- June 10**
- Scientific Session 12, 17
 - Instructional Course 6, 9
 - Satellite Symposium 2-2
- June 11**
- Scientific Session 22
 - Instructional Course 12
 - Plenary Lecture V
 - Closing Ceremony

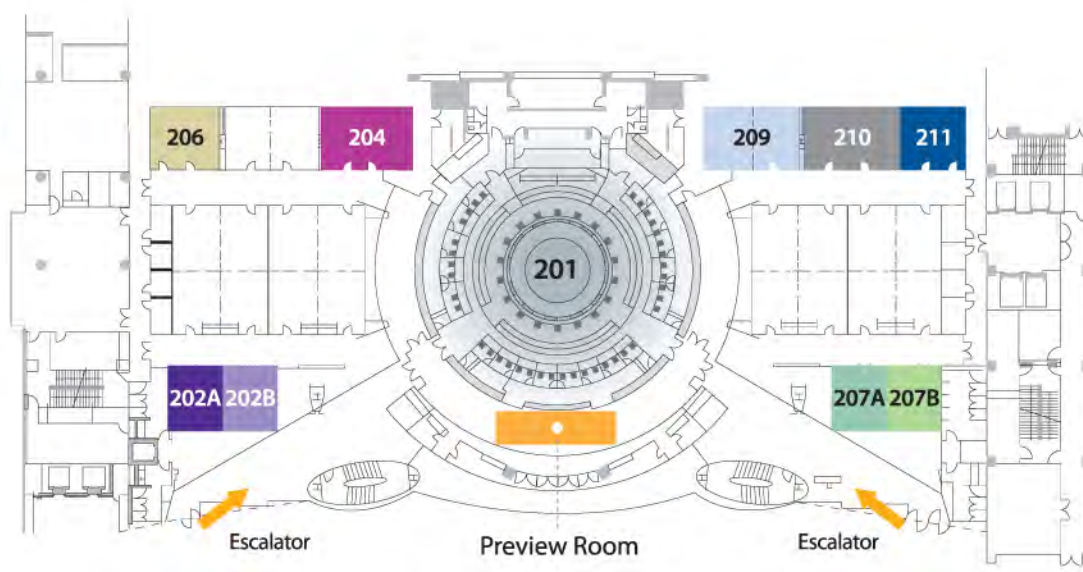
104

- June 9**
- Scientific Session 4, 8
 - Instructional Course 3
 - Satellite Symposium 1-3
- June 10**
- Scientific Session 13, 18
 - Instructional Course 7, 10
 - Satellite Symposium 2-3
- June 11**
- Scientific Session 23
 - Instructional Course 13

105

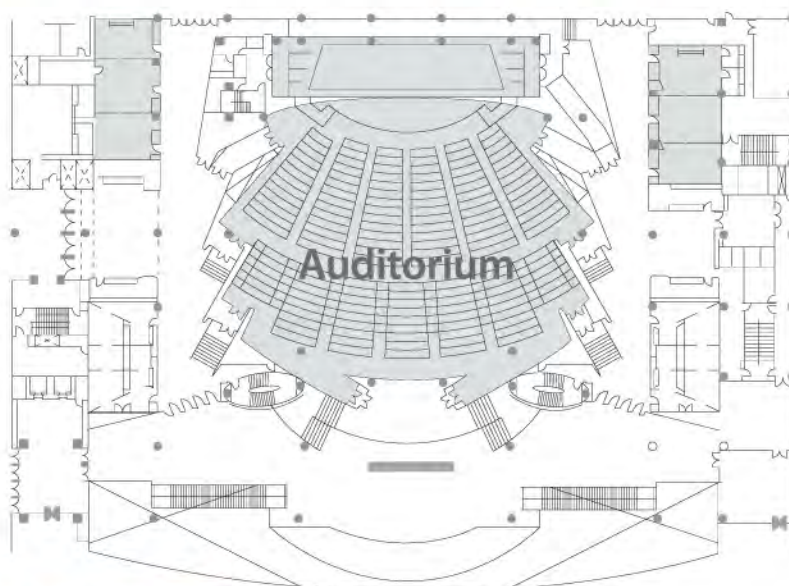
- June 9**
- Scientific Session 5, 9
 - Instructional Course 4
- June 10**
- Scientific Session 14, 19
- June 11**
- Scientific Session 24

2F



- | | | | |
|-------------|-----------------------------|-------------|-------------------------------|
| 201 | • Business Meeting Room | 207A | • Sponsor Hospitality Suite |
| 202A | • Sponsor Hospitality Suite | 207B | • Sponsor Hospitality Suite |
| 202B | • Sponsor Hospitality Suite | 209 | • Invited Guest Lounge |
| 204 | • Secretariat Office | 210 | • Organizing Committee Office |
| 206 | • Sponsor Hospitality Suite | 211 | • Sponsor Hospitality Suite |

3F



Auditorium

- June 9**
- Opening Ceremony
 - Congress Lecture
 - Plenary Lecture I, II
 - Image Interpretation Session
- June 10**
- Plenary Lecture III, IV

Program at a Glance

		1F					3F	Hall D2
		GBR 101	GBR 102	GBR 103	GBR 104	GBR 105	Auditorium	
June 8 (Sat)	09:00~ 17:30	Pre-Congress Course						
	07:50~ 08:50 (60')	SS 01 Cardiac - MRI p.122	SS 02 Cardiac Imaging I p.124	SS 03 Interstitial Lung Disease p.127	SS 04 Radiation Dose p.130	SS 05 Lung Cancer - Imaging Biomarker p.133		
June 9 (Sun)	08:50~ 09:10 (20')	Break						
	09:10~ 10:10 (60')	IC 01 Infection p.083	IC 02 Case Based Workshop HRCT - Interstitial Lung Disease (ARS) p.086		IC 03 Pulmonary MRI p.089	IC 04 Large & Small Airways p.092		
	10:10~ 10:30 (20')	Coffee Break (Auditorium Lobby, 3F)						
	10:30~ 11:30 (60')						PL I COPD p.066	Scientific Exhibition & Technical Exhibition
	11:30~ 11:50 (20')						Opening Ceremony	
	11:50~ 12:20 (30')						Congress Lecture p.065	
	12:20~ 12:30 (10')	Break						
	12:30~ 13:30 (60')	ST 1-1 (Sponsored by Toshiba Medical Systems Korea)	ST 1-2 (Sponsored by Guerbet)	ST 1-3 (Sponsored by Bayer Korea Ltd.)				
	13:30~ 13:40 (10')	Break						
	13:40~ 15:10 (90')						PL II Interstitial Lung Disease p.069	
	15:10~ 15:30 (20')	Coffee Break (Grand Ballroom Lobby, 1F)						
	15:30~ 17:00 (90')	SS 06 Airway Disease & Asthma p.135	SS 07 Lung Cancer Nodule p.139		SS 08 COPD I p.143	SS 09 Lung Cancer Screening p.147		
	17:00~ 17:20 (20')	Break						
	17:20~ 18:40 (80')						Image Interpretation Session	
	18:40~ 19:00 (20')	Break						
	19:00~ 21:00 (120')	Welcome Reception						

• IC Instructional Course • PL Plenary Lecture • SS Scientific Session • ST Satellite Symposium

		1F					3F	Hall D2
		GBR 101	GBR 102	GBR 103	GBR 104	GBR 105	Auditorium	
June 10 (Mon)	07:50~ 08:50 (60')	SS 10 Miscellaneous I p.151	SS 11 Cardiac Imaging II p.154	SS 12 Pulmonary Embolism p.157	SS13 COPD II p.160	SS 14 Lung Cancer Response & Biomarker p.162		Scientific Exhibition & Technical Exhibition
	08:50~ 09:10 (20')	Break						
	09:10~ 10:40 (90')	IC 05 Mediastinum and Pleura p.094		IC 06 Pediatric Thoracic Imaging & Radiation Dose Reduction p.098	IC 07 New Horizons in Chest Imaging p.102			
	10:40~ 11:00 (20')	Coffee Break (Auditorium Lobby, 3F)						
	11:00~ 12:30 (90')						PL III Lung Cancer Screening p.072	
	12:30~ 12:40 (10')	Break						
	12:40~ 13:30 (50')	ST 2-1 (Sponsored by Siemens Healthcare)		ST 2-2 (Sponsored by Bracco)	ST 2-3 (Sponsored by GE Healthcare Korea)			
	13:30~ 13:40 (10')	Break						
	13:40~ 15:10 (90')						PL IV Cardiac Imaging p.075	
	15:10~ 15:30 (20')	Coffee Break (Grand Ballroom Lobby, 1F)						
	15:30~ 17:00 (90')	SS 15 Infection p.165	SS 16 Intervention p.169	SS 17 Best Scientific Presentation p.173	SS 18 Cardiac CT p.177	SS 19 Lung Cancer GGO p.181		
	17:00~ 17:20 (20')	Break						
	17:20~ 18:20 (60')	IC 08 Acute Lung Injury p.106		IC 09 Cardiac Imaging p.109	IC 10 Thoracic Intervention p.112			
	18:20~ 18:30 (10')	Break						
	18:30~ 21:30 (180')	Gala Dinner (Harmony Ballroom, InterContinental Seoul COEX Hotel)						
June 11 (Tue)	07:50~ 08:50 (60')	SS 20 Mediastinal & Other Tumors p.185	SS 21 Miscellaneous II p.188	SS 22 Pulmonary Emphysema & Fibrosis p.190	SS 23 COPD III p.193	SS 24 Lung Cancer p.196		Scientific Exhibition & Technical Exhibition
	08:50~ 09:10 (20')	Break						
	09:10~ 10:10 (60')	IC 11 Vascular Imaging p.115		IC 12 Test your Knowledge!! Case Quiz for the Audience (ARS) p.118	IC 13 Systemic Disease p.119			
	10:10~ 10:30 (20')	Coffee Break (Grand Ballroom Lobby, 1F)						
	10:30~ 12:30 (120')			PLV Lung Cancer p.078				
	12:30~ 12:50 (20')			Closing Ceremony				

Scientific Program Overview

CL Congress Lecture

IM Image Interpretation Session

PL 01	Plenary Lecture I	COPD
PL 02	Plenary Lecture II	Interstitial Lung Disease
PL 03	Plenary Lecture III	Lung Cancer Screening
PL 04	Plenary Lecture IV	Cardiac Imaging
PL 05	Plenary Lecture V	Lung Cancer

IC 01	Instructional Course 1	Infection
IC 02	Instructional Course 2	Case Based Workshop HRCT – Interstitial Lung Disease (ARS*)
IC 03	Instructional Course 3	Pulmonary MRI
IC 04	Instructional Course 4	Large and Small Airways
IC 05	Instructional Course 5	Mediastinum and Pleura
IC 06	Instructional Course 6	Pediatric Thoracic Imaging & Radiation Dose Reduction
IC 07	Instructional Course 7	New Horizons in Chest Imaging

IC 08	Instructional Course 8	Acute Lung Injury
IC 09	Instructional Course 9	Cardiac Imaging
IC 10	Instructional Course 10	Thoracic Intervention
IC 11	Instructional Course 11	Vascular Imaging
IC 12	Instructional Course 12	Test your Knowledge!! Case Quiz for the Audience (ARS*)
IC 13	Instructional Course 13	Systemic Diseases

SS 01	Scientific Session 1	Cardiac - MRI
SS 02	Scientific Session 2	Cardiac Imaging I
SS 03	Scientific Session 3	Interstitial Lung Disease
SS 04	Scientific Session 4	Radiation Dose
SS 05	Scientific Session 5	Lung Cancer - Imaging Biomarker
SS 06	Scientific Session 6	Airway Disease & Asthma
SS 07	Scientific Session 7	Lung Cancer Nodule
SS 08	Scientific Session 8	COPD I
SS 09	Scientific Session 9	Lung Cancer Screening
SS 10	Scientific Session 10	Miscellaneous I
SS 11	Scientific Session 11	Cardiac Imaging II
SS 12	Scientific Session 12	Pulmonary Embolism

SS 13	Scientific Session 13	COPD II
SS 14	Scientific Session 14	Lung Cancer Response & Biomarker
SS 15	Scientific Session 15	Infection
SS 16	Scientific Session 16	Intervention
SS 17	Scientific Session 17	Best Scientific Presentation
SS 18	Scientific Session 18	Cardiac CT
SS 19	Scientific Session 19	Lung Cancer GGO
SS 20	Scientific Session 20	Mediastinal & Other Tumors
SS 21	Scientific Session 21	Miscellaneous II
SS 22	Scientific Session 22	Pulmonary Emphysema & Fibrosis
SS 23	Scientific Session 23	COPD III
SS 24	Scientific Session 24	Lung Cancer

Invited Speakers

(in alphabetical order)

Congress Lecturer



David Hansell
U.K.
Royal Brompton Hospital

Pre-Congress Lecturer



Harumi Itoh
Japan
University of Fukui



W. Richard Webb
U.S.A.
University of California
San Francisco

Plenary Lecturer



Gerald Abbott
U.S.A.
Massachusetts General
Hospital



Denise Aberle
U.S.A.
UCLA



Yeon Hyeon Choe
Korea
Samsung Medical Center,
Sungkyunkwan University
School of Medicine



Thomas Colby
U.S.A.
Mayo Clinic



James Crapo
U.S.A.
National Jewish Health



Jin Mo Goo
Korea
Seoul National University
Hospital



Philippe Grenier
France
University Pierre
& Marie Curie



Talmadge King
U.S.A.
University of California,
San Francisco



Kyung Soo Lee
Korea
Samsung Medical Center,
Sungkyunkwan University
School of Medicine



Tae-Hwan Lim
Korea
Asan Medical Center,
University of Ulsan
College of Medicine



David Lynch
U.S.A.
National Jewish Health



Andrew Nicholson
U.K.
Royal Brompton Hospital



Mathias Prokop
Netherlands
UMC St. Rad bond



William Travis
U.S.A.
Memorial Sloan Kettering
Cancer Center



Charles White
U.S.A.
University of Maryland



Ichiro Yoshino
Japan
Chiba University

Invited Speakers

(in alphabetical order)

Speakers of the Instructional Course & Image Interpretation Session



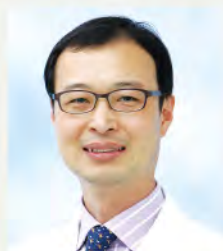
Fereidoun Abtin
U.S.A.
David Geffen School of
Medicine at UCLA



Alexander Bankier
U.S.A.
Beth Israel Deaconess
Medical Center, Harvard
Medical School



Alan Brody
U.S.A.
Cincinnati Children's
Hospital and
Medical Center



Byoung Wook Choi
Korea
Yonsei University College
of Medicine,
Severance Hospital



David Christiani
U.S.A.
Harvard University



Susan Copley
U.K.
Hammersmith Hospital,
Imperial College NHS Trust



Carole Dennie
Canada
The Ottawa Hospital



Sujal Dasai
U.K.
King's College Hospital
NHS Foundation Trust



Tomas Franquet
Spain
Hospital de Sant Pau



Jeffrey Galvin
U.S.A.
University of Maryland



Fergus Gleeson
U.K.
Oxford University Hospitals
NHS Trust Churchill Hospital



Hyun Woo Goo
Korea
Asan Medical Center,
University of Ulsan
College of Medicine



Lawrence Goodman
U.S.A.
Medical College of
Wisconsin



Laura Heyneman
U.S.A.
UNC School of Medicine



Jung-Gi Im
Korea
Seoul National University
Hospital



Sanjay Jain
India
Prince Aly Khan Hospital



Cylen Javidan
U.S.A.
Washington University
School of Medicine



Takeshi Johkoh
Japan
Kinki Central Hospital
Mutual Add Association
of Public School Teachers



Hans-Ulrich Kauczor
Germany
University Medical Center



Anna Rita Larici
Italy
Catholic University of Rome



Edward Lee
U.S.A.
Harvard Medical Center



Ann Leung
U.S.A.
Stanford University
Medical Center



Heber MacMahon
U.S.A.
University of Chicago



John Mayo
Canada
Vancouver General
Hospital



Theresa McLoud
U.S.A.
Massachusetts General
Hospital



Atul Mehta
U.S.A.
Cleveland Clinic



David Milne
New Zealand
Auckland City Hospital



Tetsuya Mitsudomi
Japan
Kinki University Faculty of
Medicine



Yoshiharu Ohno
Japan
Kobe University Graduate
School of Medicine



Simon Padley
U.K.
Royal Brompton Hospital



Edward Patz, Jr.
U.S.A.
Duke University Medical
Center



Gautham Reddy
U.S.A.
University of Washington



Martine Remy-Jardin
France
University Hospital
Centre of Lille



Marie-pierre Revel
France
Hotel - Dieu Hospital,
Paris V University



Melissa Rosado-de-Christenson
U.S.A.
Saint Luke's Hospital of
Kansas City



Santiago Rossi
Argentina
Centro de Diagnostico
Dr. Enrique Rossi



Geoffrey Rubin
U.S.A.
Duke University Medical
Center



Cornelia Schaefer-Prokop
Netherlands
Meander Medical Centre
Amersfoort



Joon Beom Seo
Korea
Asan Medical Center,
University of Ulsan College
of Medicine



Eric Stern
U.S.A.
University of Washington

Invited Speakers

(in alphabetical order)

Speakers of the Instructional Course & Image Interpretation Session



Nicola Sverzellati
Italy
University of Parma



Masashi Takahashi
Japan
Shiga University of
Medical Science



Noriyuki Tomiyama
Japan
Osaka University Graduate
School of Medicine



Bram Van Ginneken
Netherlands
Radboud University
Nijmegen Medical Centre



Johnny Verschakelen
Belgium
University Hospitals Leuven



Jose Vilar
Spain
Hospital Universitario
Dr. Peset



Lacey Washington
U.S.A.
Duke University Medical
Center



W. Richard Webb
U.S.A.
University of California
San Francisco

List of Moderators

(in alphabetical order)

Shuji Adachi	<i>Japan</i>
Luis Felipe Alva Lopez	<i>Mexico</i>
Alexander Bankier	<i>U.S.A.</i>
Hans-Christoph Becker	<i>Germany</i>
Lorenzo Bonomo	<i>Italy</i>
Eun Jin Chae	<i>Korea</i>
Yeun-Chung Chang	<i>Taiwan</i>
Qihang Chen	<i>China</i>
Yo Won Choi	<i>Korea</i>
James Crapo	<i>U.S.A.</i>
Sujal Desai	<i>U.K.</i>
Tomas Franquet	<i>Spain</i>
Marcos Guimaraes	<i>Brazil</i>
Christian Hamilton-Craig	<i>Australia</i>
Dae Hee Han	<i>Korea</i>
Masaki Hara	<i>Japan</i>
Hiroto Hatabu	<i>U.S.A.</i>
Eric Hoffman	<i>U.S.A.</i>
Osamu Honda	<i>Japan</i>
Nigel Howarth	<i>Switzerland</i>
Gong Yong Jin	<i>Korea</i>
Takeshi Johkoh	<i>Japan</i>
Jung Im Jung	<i>Korea</i>
Eun-Young Kang	<i>Korea</i>
Rajesh Kapur	<i>India</i>
Nevzat Karabulut	<i>Turkey</i>
Arfa Khan	<i>U.S.A.</i>
Han-Kyeom Kim	<i>Korea</i>
Woo Sun Kim	<i>Korea</i>
Jane Ko	<i>U.S.A.</i>
Yasuyuki Kurihara	<i>Japan</i>
Masahiko Kusumoto	<i>Japan</i>
Kenneth Lau	<i>Australia</i>
Ho Yun Lee	<i>Korea</i>
Hyun-Ju Lee	<i>Korea</i>
Jongmin Lee	<i>Korea</i>
Ki-Nam Lee	<i>Korea</i>
Kiyeol Lee	<i>Korea</i>
Kyung Soo Lee	<i>Korea</i>
Sang-Do Lee	<i>Korea</i>

David Levin	<i>U.S.A.</i>
Shiyuan Liu	<i>China</i>
Bin Lu	<i>China</i>
Theresa McLoud	<i>U.S.A.</i>
Kiyoshi Murata	<i>Japan</i>
Sadayuki Murayama	<i>Japan</i>
Yasuo Nakajima	<i>Japan</i>
Mizuki Nishino	<i>U.S.A.</i>
Catherine Owens	<i>U.K.</i>
Chang Min Park	<i>Korea</i>
Choong-Ki Park	<i>Korea</i>
Jai Soung Park	<i>Korea</i>
Thistlethwaite Patricia	<i>U.S.A.</i>
Edward Patz, Jr.	<i>U.S.A.</i>
Charles Powell	<i>U.S.A.</i>
Suhail Raoof	<i>U.S.A.</i>
Gautham Reddy	<i>U.S.A.</i>
Martine Remy-Jardin	<i>France</i>
Marie-pierre Revel	<i>France</i>
Melissa Rosado-de-Christenson	<i>U.S.A.</i>
Jay Ryu	<i>U.S.A.</i>
Fumikazu Sakai	<i>Japan</i>
Cornelia Schaefer-Prokop	<i>Netherlands</i>
Mark Schiebler	<i>U.S.A.</i>
Nick Screatton	<i>U.K.</i>
Joon Beom Seo	<i>Korea</i>
Nicola Sverzellati	<i>Italy</i>
Igor Tyurin	<i>Russia</i>
Masuo Ujita	<i>Japan</i>
Edwin Van Beek	<i>U.K.</i>
Jose Vilar	<i>Spain</i>
Ioannis Vlahos	<i>U.K.</i>
Simon Walsh	<i>U.K.</i>
Yung-Liang Wan	<i>Taiwan</i>
Charles White	<i>U.S.A.</i>
Joachim Wildberger	<i>Netherlands</i>
Tanomkiat Wiwatana	<i>Thailand</i>
Chin A Yi	<i>Korea</i>
Shihua Zhao	<i>China</i>

Scientific Program

Invited Lecture and Paper Presentation

June 9 (Sun)

07:50~08:50 Scientific Session 1 (Cardiac – MRI) GBR 101 (1F)

Moderator(s) Mark Schiebler, U.S.A. / Shihua Zhao, China

- | | | |
|---------|---|--------------------------------------|
| SS 01-1 | The correlation between ventricular tachyarrhythmias and late gadolinium enhancement on cardiac magnetic resonance in patients with hypertrophic cardiomyopathy | Tao Zhao, China (p. 122) |
| SS 01-2 | Varied distributions of late gadolinium enhancement found among patients meeting imaging criteria for isolated left ventricular non-compaction | Junyi Wan, China (p. 122) |
| SS 01-3 | Can CMR predict graft rejection and heart failure in post-heart transplant patients? | Sonia Lam, Hong Kong, China (p. 122) |
| SS 01-4 | Three-dimensional phase-sensitive inversion-recovery turbo FLASH sequence for the assessment of left ventricular myocardial scar in swine | Xiuyu Chen, China (p. 123) |
| SS 01-5 | Usefulness of cardiac MRI for post-operative management in the case of Tetralogy of Fallot (TOF) | Seiki Hamada, Japan (p. 123) |
| SS 01-6 | Non contrast T2-mapping detects myocardial edema in acute myocardial ischemia rats | Rui Xia, China (p. 124) |

07:50~08:50 Scientific Session 2 (Cardiac Imaging I) GBR 102 (1F)

Moderator(s) Christian Hamilton-Craig, Australia / Jongmin Lee, Korea

- | | | |
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| SS 02-1 | Assessment of atrial septal defect size with three-dimensional volumetric measurement of cardiac CT: comparison with postoperative occluder sizing method | Hui-Jun Song, China (p. 124) |
| SS 02-2 | Individual contrast medium ejection protocol for coronary CT angiography with atrial septal defect patients | Hui-Jun Song, China (p. 125) |
| SS 02-3 | Prediction of left atrial appendage emptying flow velocity (LAAeV) in patients with persistent or paroxysmal atrial fibrillation using double-phase ECG-gated 320-row computed tomography (CT) | Yukihiro Nagatani, Japan (p. 125) |
| SS 02-4 | Blood flow values on dynamic CTP vs Signal intensity values on spect | Jakob De Geer, Sweden (p. 126) |
| SS 02-5 | Evaluation of rest myocardial perfusion during-cardiac phase in patients with ischemia and infarction using dual-source CT | Jie Yu, China (p. 126) |
| SS 02-6 | CT features of bilharzial cor pulmonale | Youssriah Sabri, Egypt (p. 127) |

07:50~08:50 Scientific Session 3 (Interstitial Lung Disease) GBR 103 (1F)

Moderator(s) Sujal Desai, U.K. / Takeshi Johkoh, Japan

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| SS 03-1 | Honeycombing and UIP: agreement between CT and pathologic evaluation | Jonathan Chung, U.S.A. (p. 127) |
| SS 03-2 | The increased incidence of fibrosis in patients with pneumoconiosis | Hye Ju Park, Korea (p. 128) |
| SS 03-3 | Severity of traction bronchiectasis is the strongest predictor of extent of fibroblastic foci in fibrotic lung disease | Simon Walsh, U.K. (p. 128) |
| SS 03-4 | The relationship between radiologic presentation, identified antigen and mortality in patients with a multidisciplinary diagnosis of chronic hypersensitivity pneumonitis | Simon Walsh, U.K. (p. 128) |
| SS 03-5 | Histogram-based quantification of fibrosis in systemic sclerosis on sequential low dose HRCT of 9 CT slices | Thi Dan Linh Nguyen-Kim, Switzerland (p. 129) |
| SS 03-6 | Prevalence and progression of combined pulmonary fibrosis and emphysema in asymptomatic smokers | Kum Ju Chae, Korea (p. 129) |

07:50~08:50 Scientific Session 4 (Radiation Dose) GBR 104 (1F)

Moderator(s) Yeun-Chung Chang, Taiwan / Jose Vilar, Spain

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| Keynote | Current issues of radiation dose in CT | Jae Woong Choi, Korea (p. 130) |
| SS 04-1 | Initial experience of ultra (sub MSV) low-dose chest CT using idose4 iterative reconstruction (IR) technique: comparison of subjective and objective image quality | Boram Yi, Korea (p. 130) |

SS 04-2	Radiation dose reduction in 320-multidetector computed tomography coronary angiography using iterative reconstruction and individualised automatic tube current selection	Edwin Van Beek, U.K. (p. 130)
SS 04-3	Effect of reconstruction kernels and iterative reconstruction on the image quality of focal ground-glass opacity in low-dose CT: an experimental study using a chest phantom	Qiong Li, China (p. 131)
SS 04-4	Impact of radiation dose and iterative reconstruction on the volumetric measurement accuracy of ground-glass opacity nodules	Qiong Li, China (p. 131)
SS 04-5	Survey of chest CT protocols and technical parameters in Korean hospitals: tendency of CT protocol change before and after establishment of chest CT guideline by KSTR	Ji-Won Kang, Korea (p. 132)
SS 04-6	Screening for early lung cancer with low-dose spiral CT: prevalence in 4690 asymptomatic participants	Wei Tang, China (p. 132)

07:50~08:50 Scientific Session 5 (Lung Cancer - Imaging Biomarker) GBR 105 (1F)

Moderator(s) Kyung Soo Lee, Korea / Chin A Yi, Korea

SS 05-1	CT-perfusion in lung cancer: assessment of bronchial and pulmonary blood supply in NSCLC subtypes	Thi Dan Linh Nguyen-Kim, Switzerland (p. 133)
SS 05-2	Lung tumors perfusion assessed with a straightforward dynamic contrast-enhanced MRI technique, aiming for morphological and quantitative kinetic analysis: preliminary results	Marcel Koenigkam Santos, Brazil (p. 133)
SS 05-3	Clinical impact of dynamic contrast-enhanced CT in stage IA non-small cell lung cancer: net enhancement is an independent predictor of recurrence	Jung Won Moon, Korea (p. 134)
SS 05-4	Correlation between perfusion CT and FDG-PET/CT imaging in non-small cell lung cancer patients	Joachim Wildberger, Netherlands (p. 134)
SS 05-5	CT perfusion examination in resectable non small cell lung cancer (NSCLC): prognostic value and correlation with histopathological analysis	Lucio Calandriello, Italy (p. 135)
SS 05-6	Alteration of MR-DWI/ADC before and 24h after induction of chemotherapy in patients with NSCLC	Oliver Sedlacek, Germany (p. 135)

08:50~09:10 Break

09:10~10:10 Instructional Course 1 (Infection) GBR 101+102 (1F)

Moderator(s) Masaki Hara, Japan / Simon Walsh, U.K.

IC 01-1	Community acquired pneumonias	Anna Rita Larici, Italy (p. 83)
IC 01-2	Imaging features of pulmonary tuberculosis: 2013 update	Jung-Gi Im, Korea (p. 84)
IC 01-3	Imaging of infections in the immunocompromised host	Tomas Franquet, Spain (p. 85)

09:10~10:10 Instructional Course 2 (Case Based Workshop HRCT – Interstitial Lung Disease (ARS)) GBR 103 (1F)

Moderator(s) Ki-Nam Lee, Korea / Ioannis Vlahos, U.K.

IC 02-1	Increased and decreased attenuation	W. Richard Webb, U.S.A. (p. 86)
IC 02-2	Reticular opacities	Jeffrey Galvin, U.S.A. (p. 87)
IC 02-3	Nodular opacities	Cornelia Schaefer-Prokop, Netherlands (p. 88)

09:10~10:10 Instructional Course 3 (Pulmonary MRI) GBR 104 (1F)

Moderator(s) Hiroto Hatabu, U.S.A. / Choong-Ki Park, Korea

IC 03-1	Pulmonary MRI – An overview	Hans-Ulrich Kauczor, Germany (p. 89)
IC 03-2	Functional MR imaging of the lung	Yoshiharu Ohno, Japan (p. 90)
IC 03-3	MR imaging in pulmonary hypertension	Cylen Javidan, U.S.A. (p. 91)

Scientific Program

Invited Lecture and Paper Presentation

09:10~10:10	Instructional Course 4 (Large & Small Airways)	GBR 105 (1F)
<i>Moderator(s)</i> Eun-Young Kang, Korea / Alexander Bankier, U.S.A.		
IC 04-1	Imaging of the large airway	Masashi Takahashi, Japan (p. 92)
IC 04-2	Pattern approach to small airways disease	Johny Verschakelen, Belgium (p. 93)
10:10~10:30	Coffee Break	Auditorium Lobby (3F)
10:30~11:30	Plenary Lecture I (COPD)	Auditorium (3F)
<i>Moderator(s)</i> Sang-Do Lee, Korea / James Crapo, U.S.A.		
PL 01-1	Pathology of COPD: Overview and role of fibrosis	Thomas Colby, U.S.A. (p. 66)
PL 01-2	Clinical & genetic aspects of COPD and therapy implications	James Crapo, U.S.A. (p. 67)
PL 01-3	Imaging of COPD, and assessment of airway inflammation	Philippe Grenier, France (p. 68)
11:30~11:50	Opening Ceremony	Auditorium (3F)
11:50~12:20	Congress Lecture	Auditorium (3F)
<i>Moderator(s)</i> Kyung Soo Lee, Korea		
CL	High Resolution CT: the anchor in diffuse lung disease	David Hansell, U.K. (p. 65)
12:20~12:30	Break	
12:30~13:30	Satellite Symposium	GBR 101~105 (1F)
13:30~13:40	Break	
13:40~15:10	Plenary Lecture II (Interstitial Lung Disease)	Auditorium (3F)
<i>Moderator(s)</i> Han-Kyeom Kim, Korea / Suhail Raoof, U.S.A.		
PL 02-1	Idiopathic interstitial pneumonias: new ATS / ERS classification	Andrew Nicholson, U.K. (p. 69)
PL 02-2	Modern staging & management of IIP	Talmadge King, U.S.A. (p. 70)
PL 02-3	Imaging approach to idiopathic interstitial pneumonia	David Lynch, U.S.A. (p. 71)
15:10~15:30	Coffee Break	Grand Ballroom Lobby (1F)
15:30~17:00	Scientific Session 6 (Airway Disease & Asthma)	GBR 101 (1F)
<i>Moderator(s)</i> Yasuyuki Kurihara, Japan / Kenneth Lau, Australia		
SS 06-1	Demonstration of the heterogeneity of T2* in pulmonary parenchyma induced by gravity with ultra-short echo time	Yi Xia, China (p. 135)
SS 06-2	Optimization time of echo of ultra-short TE in pulmonary parenchyma imaging with 3.0T MR system	Yi Xia, China (p. 136)
SS 06-3	Krypton ventilation imaging with dual-energy CT: correlation with pulmonary function tests and comparison among gold stages in patients chronic obstructive pulmonary disease	Francesco Molinari, France (p. 136)
SS 06-4	Automatic segmentation of the thoracic cage in the volumetric CT data	Jang Pyo Bae, Korea (p. 137)
SS 06-5	Heterogeneity of regional ventilation and methacholine response in asthmatics via MDCT-based image matching	Jiwoong Choi, U.S.A. (p. 137)
SS 06-6	Multiparametric 2D and 3D analysis of airways in severe asthma using MDCT	Pierre Brillet, France (p. 138)
SS 06-7	4-dimensional assessment of vocal cord palsy	Kenneth Lau, Australia (p. 138)
SS 06-8	Dynamic evaluation of pulmonary perfusion in patients with usual interstitial pneumonia: a CT study	Gianluigi Sergiacomi, Italy (p. 139)
SS 06-9	Free-breathing cine CT for the diagnosis of tracheomalacia in young children	Hyun Woo Goo, Korea (p. 139)

15:30~17:00 Scientific Session 7 (Lung Cancer Nodule)
GBR 102 (1F)
Moderator(s) Shuji Adachi, Japan / Jane Ko, U.S.A.

SS 07-1	CT volumetry of artificial pulmonary nodules using an ex vivo lung phantom: influence of exposure parameters and iterative reconstruction on reproducibility	Mark Wielpuetz, Germany (p. 139)
SS 07-2	Detection of ground-glass opacities using hybrid iterative reconstruction (idose4) and low-dose HRCT: a phantom study	Qiong Li, China (p. 140)
SS 07-3	Accuracy of lung nodule volumetry using adaptive iterative dose reduction 3D of 320-detector row CT: a phantom study	Kyung Won Doo, Korea (p. 140)
SS 07-4	Application of dual energy index of lung lesions in differentiating between benign and malignant lesions	Ashish Chawla, Singapore (p. 141)
SS 07-5	Comparison of two commercial volumetry software programs in the analysis of pulmonary ground-glass nodules: segmentation capability and measurement accuracy	Hyungjin Kim, Korea (p. 141)
SS 07-6	Differential uptake and clearance of FDG activity in different inflammatory lesions: implications for delayed imaging	Scott Akers, U.S.A. (p. 141)
SS 07-7	Outcome over 3 years of incidental small pulmonary nodules found on CT chest	Andrew Baird, U.K. (p. 142)
SS 07-8	Utility of Spectral Imaging in the differentiation of solitary pulmonary nodules: preliminary study	Mujuan Guan, China (p. 142)
SS 07-9	Value of computer-aided detection system in the planning of metastasectomy at chest CT: a prospective study in 100 patients	Eui Jin Hwang, Korea (p. 143)

15:30~17:00 Scientific Session 8 (COPD I)
GBR 104 (1F)
Moderator(s) Eun Jin Chae, Korea / David Levin, U.S.A.

SS 08-1	Analysis of ventilation dynamics using dual-energy xenon wash-in and wash-out scans in COPD patients: focused on the area of air-trapping and emphysema area	Sang Min Lee, Korea (p. 143)
SS 08-2	Voxel-based CT biomarker quantifies longitudinal alterations in COPD phenotypes	Craig Galban, U.S.A. (p. 144)
SS 08-3	Enlargement of bronchial arteries in chronic obstructive pulmonary disease with CT angiography	Jueqian Shi, China (p. 144)
SS 08-4	Automated assessment of pulmonary emphysema and airways on MDCT: is it possible to characterize COPD phenotypes?	Ersilia Devicienti, Italy (p. 145)
SS 08-5	Quantitative analysis of lung volume and airways with 3D-MDCT in the subjects with the COPD associated diplotype	Ji Yung Choo, Korea (p. 145)
SS 08-6	The size based emphysema quantification using length scale analysis in 3D volumetric chest CT	Minho Lee, Korea (p. 145)
SS 08-7	Quantitative assessment of pulmonary perfusion using dynamic contrast-enhanced CT in patients with chronic obstructive pulmonary disease: correlations with pulmonary function test and CT volumetric parameters	Yu Guan, China (p. 146)
SS 08-8	Repeatability of MR-based biventricular cardiac function and flow measurements in patients with COPD	Oliver Sedlacek, Germany (p. 146)
SS 08-9	Dynamic contrast enhanced magnetic resonance perfusion imaging versus quantitative computed tomography: pulmonary functional loss assessment of COPD	Yi Xia, China (p. 147)

15:30~17:00 Scientific Session 9 (Lung Cancer Screening)
GBR 105 (1F)
Moderator(s) Shiyuan Liu, China / Cornelia Schaefer-Prokop, Netherlands

SS 09-1	Prevalence of incidental small pulmonary nodules in a general population	Andrew Baird, U.K. (p. 147)
SS 09-2	Incidentally detected pulmonary nodules in a population study; a comparative study of nodule follow-up with chest tomosynthesis and computed tomography	Ase Johnsson, Sweden (p. 148)
SS 09-3	Assessment of interscan variability of semiautomated volume measurements in pulmonary nodules-a phantom study	Bo Kyu Kim, Korea (p. 148)
SS 09-4	Investigation of the low dose CT protocol in Korea: focused on technique and radiation dose	Soyi Kwon, Korea (p. 148)

Scientific Program

Invited Lecture and Paper Presentation

SS 09-5	A prospective comparison of trained radiographers with experienced radiologists for CT lung nodule detection in the UK lung screen (UKLS) trial	Arjun Nair, U.K. (p. 149)
SS 09-6	The effect of radiographers as concurrent readers on the performance and reading time of experienced radiologists in lung cancer screening	Arjun Nair, U.K. (p. 149)
SS 09-7	The long term follow-up of CT nodule volumetry for subsentimeter nodules showing stability at the initial two-year low-dose lung cancer screening	Kyung Eun Shin, Korea (p. 150)
SS 09-8	FDG-PET/CT for primary lung cancer staging: capability for differentiation of primary malignancy in other organs from benign incidental findings	Maho Tsubakimoto, Japan (p. 150)
SS 09-9	Value of morphological magnetic resonance imaging for lung nodule detection in high-risk populations: comparison to low-dose computed tomography	Marcel Koenigkam Santos, Brazil (p. 151)

17:00~17:20 Break

17:20~18:40 Image Interpretation Session

Auditorium (3F)

Moderator(s) Theresa McCloud, U.S.A.

Team A: Susan Copley, U.K. / Takeshi Johkoh, Japan / Heber MacMahon, U.S.A. / David Milne, U.S.A.

Team B: Lawrence Goodman, U.S.A. / Laura Heyneman, U.S.A. / Marie-pierre Revel, France / Joon Beom Seo, Korea

18:40~19:00 Break

19:00~21:00 Welcome Reception

GBR 102~104 (1F)

June 10 (Mon)

07:50~08:50 Scientific Session 10 (Miscellaneous I)

GBR 101 (1F)

Moderator(s) Dae Hee Han, Korea / Jay Ryu, U.S.A.

SS 10-1	CTPA Image Quality – Efficacy of ECG gating	Nicholas Ardley, Australia (p. 151)
SS 10-2	The features of 18F-FDG PET-CT in patients with pulmonary tuberculosis mimicking peripheral lung cancer	Ying Liu, China (p. 152)
SS 10-3	Study of radiation dose according to AEC and collimation technique of reducing radiation dose in pediatric chest PA	Hyun Soo Kim, Korea (p. 152)
SS 10-4	Characteristic features of pulmonary function test, CT volume analysis and MR perfusion imaging in chronic obstructive pulmonary disease patients with different HRCT phenotypes	Yu Guan, China (p. 153)
SS 10-5	Morphological CT patterns of resected pulmonary squamous cell carcinomas: comparison with adenocarcinomas and impact on prognosis	Marcel Koenigkam Santos, Brazil (p. 153)
SS 10-6	Video-assisted thoracoscopic surgery lobectomy and lymph node dissection for lung cancer: predicting value of lymph node calcification on preoperative chest CT	Kwang-Nam Jin, Korea (p. 154)

07:50~08:50 Scientific Session 11 (Cardiac Imaging II)

GBR 102 (1F)

Moderator(s) Nevzat Karabulut, Turkey / Charles White, U.S.A.

Keynote	Evaluation of cardiovascular diseases with ECG-gated thoracic CT	Yeon Hyeon Choe, Korea (p. 154)
SS 11-1	New protocol of contrast injection in heart dynamic computed tomography to view the congenital heart disease in children:	Shuting Liu, China (p. 154)
SS 11-2	Clinical application of double-flash CT protocol in heart dynamic computed tomography to view the congenital heart disease in children: first experience	Shuting Liu, China (p. 155)
SS 11-3	Why you didn't reach the summit of Everest or win the marathon	Massimo Pistolesi, Italy (p. 155)
SS 11-4	Pulmonary Artery Pseudoaneurysms: clinical features and imaging findings	Carol Wu, U.S.A. (p. 155)
SS 11-5	Evaluation of CT measurements in predicting pulmonary hypertension	Christopher Lee, U.S.A. (p. 156)
SS 11-6	Assessing calcification activity in aortic stenosis and atherosclerosis with PET/CT	Edwin Van Beek, U.K. (p. 156)

07:50~08:50 **Scientific Session 12 (Pulmonary Embolism)** **GBR 103 (1F)**

Moderator(s) Qihang Chen, China / Martine Remy-Jardin, France

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| SS 12-1 | A comparison between ventilation/perfusion scintigraphy and CTPA in the diagnosis of chronic thromboembolic pulmonary hypertension | Zhe Zhang, China (p. 157) |
| SS 12-2 | Dual-energy CT: quantitative disease severity assessment capability for acute pulmonary thromboembolism | Sachiko Miura, Japan (p. 157) |
| SS 12-3 | Combination of clinical features and MDCT in the diagnosis of patients with chronic thromboembolic pulmonary hypertension | Nan Yu, China (p. 158) |
| SS 12-4 | Incidence of acute pulmonary thromboembolism in patients with pulmonary tuberculosis | Hongxia Ma, China (p. 158) |
| SS 12-5 | CTPA, ultrasound and right heart catheterization for the diagnosis on the pulmonary hypertension caused by chronic thromboembolic | Lei Deng, China (p. 159) |
| SS 12-6 | Unsuspected pulmonary embolism in lung cancer patients: comparison of clinical characteristics and outcome with suspected pulmonary embolism | Mizuki Nishino, U.S.A. (p. 159) |

07:50~08:50 **Scientific Session 13 (COPD II)** **GBR 104 (1F)**

Moderator(s) Joon Beom Seo, Korea / Nicola Sverzellati, Italy

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| SS 13-1 | Detailed analysis of density change at CT of COPD using non-rigid registration of inspiration/expiration CT scans: correlation with pulmonary functional test | Eun Young Kim, Korea (p. 160) |
| SS 13-2 | CT measured bone attenuation in patients with COPD: relation to clinical features and outcomes | Edwin Van Beek, U.K. (p. 160) |
| SS 13-3 | Xenon ventilation and perfusion imaging using dual-energy computed tomography in COPD patients | Hye Jeon Hwang, Korea (p. 161) |
| SS 13-4 | Dual energy assessment of pulmonary perfused blood volume pre and post sildenafil in emphysema susceptible smokers | Eric Hoffman, U.S.A. (p. 161) |
| SS 13-5 | Quantitative analysis of pulmonary peripheral vessels at CT of COPD: correlations with emphysema index and pulmonary function tests | Sang Min Lee, Korea (p. 162) |
| SS 13-6 | Morphological changes of bronchial arteries in COPD on CT | Jueqian Shi, China (p. 162) |

07:50~08:50 **Scientific Session 14 (Lung Cancer Response & Biomarker)** **GBR 105 (1F)**

Moderator(s) Mizuki Nishino, U.S.A. / Ho Yun Lee, Korea

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| SS 14-1 | Tumor volume analysis in advanced non-small-cell lung cancer patients with sensitizing EGFR mutations treated with EGFR tyrosine kinase inhibitors: association with survival | Mizuki Nishino, U.S.A. (p. 162) |
| SS 14-2 | Which response criteria best help predict survival of patients with EGFR-mutant lung adenocarcinoma following EGFR tyrosine kinase inhibitor? | Ji Hyun Lee, Korea (p. 163) |
| SS 14-3 | Prediction of EML4-ALK rearrangement in lung adenocarcinomas: value of radiological, clinical and histopathologic features | Sang Min Lee, Korea (p. 163) |
| SS 14-4 | Dynamic changes of FDG uptake in malignant and non-malignant lung lesions-a lesion based analysis | Scott Akers, U.S.A. (p. 164) |
| SS 14-5 | Histopathology of lung adenocarcinoma based on new IASLC/ATS/ERS classification: prognostic stratification with functional and metabolic imaging biomarkers | Geewon Lee, Korea (p. 164) |
| SS 14-6 | Lung adenocarcinomas: disparate correlations between EGFR gene copy number and 18F-FDG uptake according to the EGFR mutation status | Hyungjin Kim, Korea (p. 165) |

08:50~09:10 **Break**

09:10~10:40 **Instructional Course 5 (Mediastinum and Pleura)** **GBR 101+102 (1F)**

Moderator(s) Luis Felipe Alva Lopez, Mexico / Yo Won Choi, Korea

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| IC 05-1 | Diagnosis of mediastinal tumors | Noriyuki Tomiyama, Japan (p. 94) |
| IC 05-2 | New concepts and imaging of thymic malignancies | Melissa Rosado-de-Christenson, U.S.A. (p. 95) |
| IC 05-3 | Imaging the aorta: trauma & acute aortic syndromes | Geoffrey Rubin, U.S.A. (p. 96) |
| IC 05-4 | Pleural and chest wall tumors | Nicola Sverzellati, Italy (p. 97) |

Scientific Program

Invited Lecture and Paper Presentation

09:10~10:40 Instructional Course 6 (Pediatric Thoracic Imaging & Radiation Dose Reduction)		GBR 103 (1F)
<i>Moderator(s)</i> Woo Sun Kim, Korea / Catherine Owens, U.K.		
IC 06-1	Interstitial lung disease in infants: New classification, imaging and Pathological Correlation	Edward Lee, U.S.A. (p. 98)
IC 06-2	Updates in cystic fibrosis and asthma: implications for imaging	Alan Brody, U.S.A. (p. 99)
IC 06-3	Pediatric chest CT imaging: radiation dose reduction techniques	Hyun Woo Goo, Korea (p. 100)
IC 06-4	Adult chest CT imaging – Radiation dose reduction techniques	John Mayo, Canada (p. 101)
09:10~10:40 Instructional Course 7 (New Horizons in Chest Imaging)		GBR 104+105 (1F)
<i>Moderator(s)</i> Sadayuki Murayama, Japan / Edward Patz, Jr., U.S.A.		
IC 07-1	Functional respiratory imaging – New perspectives	Alexander Bankier, U.S.A. (p. 102)
IC 07-2	Imaging and biomarkers in lung cancer	Edward Patz, Jr., U.S.A. (p. 103)
IC 07-3	Personalized medicine for lung cancer	Tetsuya Mitsudomi, Japan (p. 104)
IC 07-4	Computer aided diagnosis, Quo Vadis?	Bram Van Ginneken, Netherlands (p. 105)
10:40~11:00 Coffee Break		Auditorium Lobby (3F)
11:00~12:30 Plenary Lecture III (Lung Cancer Screening)		Auditorium (3F)
<i>Moderator(s)</i> Theresa McCloud, U.S.A. / Kiyoshi Murata, Japan		
PL 03-1	US national lung screening trial: Update and implications	Denise Aberle, U.S.A. (p. 72)
PL 03-2	Lung cancer screening: cost effectiveness based on the NLST	Denise Aberle, U.S.A. (p. 73)
PL 03-3	Lung cancer screening in Europe – What's new? Panel Discussion	Mathias Prokop, Netherlands (p. 74)
12:30~12:40 Break		
12:40~13:30 Satellite Symposium		GBR 101~105 (1F)
13:30~13:40 Break		
13:40~15:10 Plenary Lecture IV (Cardiac Imaging)		Auditorium (3F)
<i>Moderator(s)</i> Jongmin Lee, Korea / Gautham Reddy, U.S.A.		
PL 04-1	CT myocardial perfusion imaging: Is it feasible?	Yeon Hyeon Choe, Korea (p. 75)
PL 04-2	Coronary plaque imaging: Why do we need it? Do we have a future?	Tae-Hwan Lim, Korea (p. 76)
PL 04-3	Acute chest pain – "Triple rule" out, CTA in the emergency room	Charles White, U.S.A. (p. 77)
15:10~15:30 Coffee Break		Grand Ballroom Lobby (1F)
15:30~17:00 Scientific Session 15 (Infection)		GBR 101 (1F)
<i>Moderator(s)</i> Tomas Franquet, Spain / Tanomkiat Wiwatana, Thailand		
SS 15-1	Nodular bronchiectatic mycobacterium avium complex pulmonary disease: natural history assessment	Geewon Lee, Korea (p. 165)
SS 15-2	Digital tomosynthesis of chest: serial assessment of drug-sensitive and multidrug-resistant tuberculosis	Geewon Lee, Korea (p. 165)
SS 15-3	CT-morphological characterization of respiratory syncytial virus (RSV) pneumonia in immunocompromised adults	Johanna Mayer, Germany (p. 166)
SS 15-4	HRCT findings of cytomegalovirus pneumonia (CMV-P) and pneumocystis pneumonia (PCP): comparison of HRCT findings between the two entities and diagnostic utility of a combination of serum marker and HR	Nobuyuki Tanaka, Japan (p. 166)
SS 15-5	Nontuberculous mycobacterial pulmonary infection in chronic interstitial pneumonitis patients: comparison with immunocompetent patients	Hye Jeon Hwang, Korea (p. 167)

SS 15-6	Lung tuberculosis can be misdiagnosed on HRCT in immune compromised HIV positive patients	Elizabete Kadakovska, Latvia (p. 167)
SS 15-7	The role of low dose chest CT in elderly patients with suspected acute pulmonary infection in emergency room	Ji Eun Park, Korea (p. 168)
SS 15-8	The imaging analysis of acquired immunodeficiency syndrome with mycobacterium	Jun Yang, China (p. 168)
SS 15-9	H1N1 influenza - a retrospective study of HRCT findings	Prabhu Radhakrishnan, India (p. 168)

15:30~17:00 Scientific Session 16 (Intervention) GBR 102 (1F)

Moderator(s) Lorenzo Bonomo, Italy / Jai Soung Park, Korea

SS 16-1	CT-guided transthoracic needle aspiration biopsy of subsolid lung lesions	Aaron Maxwell, U.S.A. (p. 169)
SS 16-2	Report on initial experience with novel supine thoracentesis bed: ultrasound guided pleural tapping via the posterior axillary line in 15 supine patients	Kwang Nam Jin, Korea (p. 169)
SS 16-3	Large core biopsy needle in percutaneous CT guided transthoracic interventions, feasibility and safety	Joachim Wildberger, Netherlands (p. 170)
SS 16-4	CT-guided percutaneous lung biopsy performed by low-experienced radiologists: evaluation of, accuracy, complications and learning curves	Thierry Couvreur, Belgium (p. 170)
SS 16-5	Nonspecific benign pathologic results from percutaneous transthoracic biopsy using a coaxial cutting needle: how to discriminate malignancy from true benign nodules	Jung Im Kim, Korea (p. 171)
SS 16-6	Does preoperative percutaneous needle biopsy (PCNB) play a role for preventing futile surgery in T1A lung cancer?	Ji-Eun Kim, Korea (p. 171)
SS 16-7	Same day preoperative CT-guided transthoracic lung nodule dual-agent localization for DaVinci robotic and video assisted thoracoscopic surgery	Binh Nguyen, U.S.A. (p. 171)
SS 16-8	The role of MRI in the examination of thoracic lesions before transthoracic needle biopsy	Fatih Alper, Turkey (p. 172)
SS 16-9	Predictors of complete percutaneous cryoablation for recurrent mesothelioma after surgical pleurectomy and decortication	Scott Genshaft, U.S.A. (p. 172)

15:30~17:00 Scientific Session 17 (Best Scientific Presentation) GBR 103 (1F)

Moderator(s) Melissa Rosado-de-Christenson, U.S.A. / Igor Tyurin, Russia

SS 17-1	Myocardial fiber architecture of cynomolgus macaques from DTI	Yuqing Wang, China (p. 173)
SS 17-2	Use of pulmonary magnetic resonance angiography as the single test for diagnosis of pulmonary embolism: outcomes at 3 months in 187 symptomatic patients	Mark Schiebler, U.S.A. (p. 173)
SS 17-3	Radiation dose reduction for CT coronary calcium scoring: the effect of iterative reconstruction algorithms from three different vendors	Martin J. Willemink, Netherlands (p. 174)
SS 17-4	Thoracic imaging with low-dose MDCT at low tube voltages using iterative image reconstruction: where is the limit of diagnostic confidence compared to the clinical standard?	Wolfram Stiller, Germany (p. 174)
SS 17-5	Combined pulmonary fibrosis and emphysema: pattern analysis and quantification by computed tomography and prognosis prediction	Seunghee Choi, Korea (p. 175)
SS 17-6	Visual assessment of MPM using the pointillism sign on DWI	Johan Coolen, Belgium (p. 175)
SS 17-7	Low-dose computed tomographic screening in healthy adults at low risk for lung cancer	Chin A Yi, Korea (p. 176)
SS 17-8	CT morphologic patterns and molecular phenotypes: correlation study in 516 nodular lung adenocarcinomas	Hyungjin Kim, Korea (p. 176)
SS 17-9	C-ARM cone beam CT-guided percutaneous transthoracic needle biopsy of lung nodules — clinical experience in 1108 patients	Sang Min Lee, Korea (p. 177)

15:30~17:00 Scientific Session 18 (Cardiac CT) GBR 104 (1F)

Moderator(s) Hans-Christoph Becker, Germany / Bin Lu, China

SS 18-1	Impact of sinogram affirmed iterative reconstruction (safire) algorithm on image quality with 70 KVP-tube-voltage dual-source CT angiography in children with congenital heart disease	Yanhua Duan, China (p. 177)
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Scientific Program

Invited Lecture and Paper Presentation

SS 18-2	Postoperative evaluation of prospective ECG-triggering high-pitch spiral acquisition by 128 slice dual-source CT in patients after bilateral bidirectional glenn shunt	Xiaopeng Ji, <i>China</i> (p. 178)
SS 18-3	Dose-optimization retrospective ECG-gated dual-source CT thoracoabdominal aorta CT angiography evaluated abdomen aortic intimal flap motion in acute aortic dissection: feasibility and intimal flap mot	Shifeng Yang, <i>China</i> (p. 178)
SS 18-4	Subprosthetic soft tissue in patients with aortic valve replacement: cardiac computed tomography findings and clinical features	Kichang Han, <i>Korea</i> (p. 178)
SS 18-5	Additional value of dual energy cardiac computed tomography in differentiating cardiac tumor from thrombus	Yoo Jin Hong, <i>Korea</i> (p. 179)
SS 18-6	Association of calcium score and coronary artery disease on CCTA according to the presence and the degrees of diabetic retinopathy	Joon-Won Kang, <i>Korea</i> (p. 179)
SS 18-7	Coronary artery calcium scoring from dual-source chest CT: potentials for ungated, high-pitch scan technique in routine clinical practice	Francesco Molinari, <i>France</i> (p. 180)
SS 18-8	Computed tomographic angiography of native coronary artery disease in patients after coronary stent implantation: its prevalence and correlating factors	Wen-Hui Chan, <i>Taiwan</i> (p. 180)
SS 18-9	Functional classification of aortic regurgitation with cardiac computed tomography: comparison with surgical inspection and transesophageal echocardiography	Hyun Jung Koo, <i>Korea</i> (p. 181)

15:30~17:00 Scientific Session 19 (Lung Cancer GGO) GBR 105 (1F)

Moderator(s) Hyun-Ju Lee, *Korea* / Theresa McCloud, *U.S.A.*

SS 19-1	Persistent pure ground-glass opacity lung nodules > 10mm in diameter at CT: histopathologic comparisons and prognostic implications	Hyun-ju Lim, <i>Korea</i> (p. 181)
SS 19-2	Stratification of pure ground-glass opacity (GGO) nodular lung adenocarcinoma by using quantitative analysis of CT imaging metrics to select patients for limited-resection more precisely	Ji Ye Son, <i>Korea</i> (p. 182)
SS 19-3	Ground-glass opacities on thin-section CT: differentiation between adenocarcinoma in situ and adenocarcinoma with predominant lepidic growth	Man Ho Lee, <i>Korea</i> (p. 182)
SS 19-4	Texture analysis can differentiate between invasive pulmonary adenocarcinomas and their preinvasive lesions appearing as ground-glass nodules	Hee Dong Chae, <i>Korea</i> (p. 183)
SS 19-5	Minimally invasive adenocarcinoma at thin-section CT: correlation between solid component of ground-glass nodules on CT and invasive component on histopathology in small lung adenocarcinoma	Kyung Hee Lee, <i>Korea</i> (p. 183)
SS 19-6	The impact of incidental pulmonary nodule follow-up surveillance in a general population	Andrew Baird, <i>U.K.</i> (p. 184)
SS 19-7	Super-high resolution CT with ventilation physiology in the diagnosis of the nonsolid small pulmonary nodules: initial experience	Hui-min Li, <i>China</i> (p. 184)
SS 19-8	Quantification of single ground-glass pulmonary nodule on ultra high-resolution CT: clinical application of computer-aided density analysis software	Lingming Yu, <i>China</i> (p. 184)
SS 19-9	Computer aided detection shows added value to bone suppression imaging for the detection of lung nodules in chest radiographs	Cornelia Schaefer-Prokop, <i>Netherlands</i> (p. 185)

17:00~17:20 Break

17:20~18:20 Instructional Course 8 (Acute Lung Injury) GBR 101+102 (1F)

Moderator(s) Charles Powell, *U.S.A.* / Yung-Liang Wan, *Taiwan*

IC 08-1	Acute lung injury	Sujal Desai, <i>U.K.</i> (p. 106)
IC 08-2	ARDS: Genetic and infectious risks	David Christiani, <i>U.S.A.</i> (p. 107)
IC 08-3	Chest radiographs in ICU patients	Sanjay Jain, <i>India</i> (p. 108)

17:20~18:20 Instructional Course 9 (Cardiac Imaging) GBR 103 (1F)

Moderator(s) Nick Screatton, U.K. / Shihua Zhao, China

IC 09-1	Coronary artery anatomy and pitfalls	Gautham Reddy, U.S.A. (p. 109)
IC 09-2	Coronary bypass grafts	Simon Padley, U.K. (p. 110)
IC 09-3	Imaging cardiomyopathies	Byoung Wook Choi, Korea (p. 111)

17:20~18:20 Instructional Course 10 (Thoracic Intervention) GBR 104+105 (1F)

Moderator(s) Yasuo Nakajima, Japan / Joachim Wildberger, Netherlands

IC 10-1	Ablation therapies	Fereidoun Abtin, U.S.A. (p. 112)
IC 10-2	Bronchial thermoplasty:	Atul Mehta, U.S.A. (p. 113)
IC 10-3	Pleural intervention	Fergus Gleeson, U.K. (p. 114)

18:20~18:30 Break

18:30~21:30 **Gala Dinner** Harmony Ballroom, InterContinental Seoul COEX Hotel

June 11 (Tue)

07:50~08:50 Scientific Session 20 (Mediastinal & Other Tumors) GBR 101 (1F)

Moderator(s) Osamu Honda, Japan / Chang Min Park, Korea

Keynote	Thoracic oncology: multimodality imaging approach	Ho Yun Lee, Korea (p. 185)
SS 20-1	Additional value of dual-energy CT to differentiate between benign and malignant mediastinal tumors: an initial experience	Jin Hur, Korea (p. 185)
SS 20-2	Malignant mesothelioma vs. metastatic carcinoma of the pleura: Do pathology and radiology agree?	Mehrdad Bakhshayesh Karam, Iran (p. 186)
SS 20-3	Mediastinal lymph node enlargement in patients with valvular heart disease	Hye Ju Park, Korea (p. 186)
SS 20-4	A 4-year retrospective review of our experience developing a successful non-vascular thoracic MR practice	Jeanne Ackman, U.S.A. (p. 186)
SS 20-5	Detection of intramuscular metastasis: comparison of FDG PET-CT and CT	Jeong Geun Yi, Korea (p. 187)
SS 20-6	Simple pulmonary eosinophilia found on computed tomography for oncologic patients	Sung Jung Kim, Korea (p. 187)

07:50~08:50 Scientific Session 21 (Miscellaneous II) GBR 102 (1F)

Moderator(s) Jung Im Jung, Korea / Yung-Liang Wan, Taiwan

SS 21-1	Evaluation first-pass myocardial perfusion in symptomatic patients with myocardial bridge	Heshui Shi, China (p. 188)
SS 21-2	Comparative study on contrast media volume and scanning parameters of dual energy lung perfusion imaging	Xiaoxue Liang, China (p. 188)
SS 21-3	The value of monochromatic energy image of dual-source dual-energy pulmonary angiography	Xiaoxue Liang, China (p. 189)
SS 21-4	Comparison of two sternal closure plasty by dynamic CT study and spirometry	Gianluigi Sergiacomi, Italy (p. 189)
SS 21-5	Four-dimensional quantification of ventilation using dynamic MDCT imaging in a porcine model of ARDS	Johanna Mayer, Germany (p. 189)
SS 21-6	18F-FDG PET-CT features of pulmonary hamartomas	Ying Liu, China (p. 190)

Scientific Program

Invited Lecture and Paper Presentation

07:50~08:50	Scientific Session 22 (Pulmonary Emphysema & Fibrosis)	GBR 103 (1F)
<i>Moderator(s)</i>	Edwin Van Beek, U.K. / Masuo Ujita, Japan	
SS 22-1	Adaptive CT denoising for image quality control in quantitative assessment of lung fibrosis	Hyun Kim, U.S.A. (p. 190)
SS 22-2	Combined pulmonary fibrosis and emphysema: comparison of CT findings in symptomatic vs. asymptomatic subjects	Yong Seek Kim, Korea (p. 191)
SS 22-3	The association between lung emphysematous change and right heart function in lung transplant candidates	Yu-Sen Huang, Taiwan (p. 191)
SS 22-4	Development of emphysema in cystic fibrosis detected by densitometry of chest multidetector CT	Mark Wielpuetz, Germany (p. 192)
SS 22-5	The clinical usefulness of lesion distribution in diagnosing acute rejection in patients with double lung transplantation	Chul Hwan Park, Korea (p. 192)
SS 22-6	High resolution computed tomography of the lungs in brain dead heart beating donors treated conventionally and with a new drug regime in a pig model	Gracijela Bozovic, Sweden (p. 193)
07:50~08:50	Scientific Session 23 (COPD III)	GBR 104 (1F)
<i>Moderator(s)</i>	Eric Hoffman, U.S.A. / Kiyeol Lee, Korea	
SS 23-1	Size of emphysema clusters at CT of COPD: effect on pulmonary functional loss	Sang Young Oh, Korea (p. 193)
SS 23-2	Density of thoracic vertebral bodies on CT of COPD: correlation with CT, PFT and other clinical parameters	Ji-Eun Kim, Korea (p. 194)
SS 23-3	Yearly progression of low lung attenuation area in low dose CT scan for asymptomatic current smokers with normal lung function or gold stage 1 COPD	Chang Hyun Lee, Korea (p. 194)
SS 23-4	Incomplete and accessory pulmonary fissures studied by multidetectors CT: prevalence and interobserver agreement in a semiquantitative evaluation of completeness	Marcel Koenigkam Santos, Brazil (p. 195)
SS 23-5	Quantitative assessment of pulmonary perfusion using dynamic contrast-enhanced CT in patients with COPD phenotypes and correlation with pulmonary function test	Yu Guan, China (p. 195)
SS 23-6	Quantitatively assessment of pulmonary perfusion imaging in patients with COPD and smokers with normal pulmonary function	Yu Guan, China (p. 196)
07:50~08:50	Scientific Session 24 (Lung Cancer)	GBR 105 (1F)
<i>Moderator(s)</i>	Gong Yong Jin, Korea / Marie-pierre Revel, France	
SS 24-1	A new bayesian calculator for the assessment of clinical-radiological malignancy of solitary pulmonary nodules. Results and comparison with existing models	GianAlberto Sordi, Italy (p. 196)
SS 24-2	Axial vs coronal and sagittal tumor size measurements: influence on tumor staging in patients with lung cancer	Helmut Prosch, Austria (p. 197)
SS 24-3	Change of the junctions between stations 10 and 4 by the new IASLC LN map: a validation study from a single tertiary referral hospital experience	Sunyoung Lee, Korea (p. 197)
SS 24-4	Differences in malignancy diagnosis between T1A and T1B solitary pulmonary nodules with MDTC	Massimiliano Motton, Italy (p. 197)
SS 24-5	18F-FDG uptake in pet and the expression level of chemotherapy-related biomarker ERCC1 in non-small-cell lung cancers	Xiao Yi Duan, China (p. 198)
SS 24-6	Low-dose CT screening for lung cancer: focused on the tumor growth rate	Hye Sun Hwang, Korea (p. 198)
08:50~09:10	Break	

09:10~10:10 Instructional Course 11 (Vascular Imaging) GBR 101+102 (1F)

Moderator(s) Thistlethwaite Patricia, U.S.A. / Fumikazu Sakai, Japan

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|---------|--|--------------------------------------|
| IC 11-1 | Pulmonary hypertension | Carole Dennie, Canada (p. 115) |
| IC 11-2 | Imaging pulmonary embolism in pregnancy | Ann Leung, U.S.A. (p. 116) |
| IC 11-3 | Thromboembolic disease – New insights | Martine Remy-Jardin, France (p. 117) |

09:10~10:10 Instructional Course 12 (Test your Knowledge!! Case Quiz for the Audience (ARS)) GBR 103 (1F)

Moderator(s) Nigel Howarth, Switzerland / Rajesh Kapur, India

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| IC 12-1 | Test your knowledge!! Case quiz for the audience – ARS | Theresa McLoud, U.S.A. (p. 118) |
| IC 12-2 | Test your knowledge!! Case quiz for the audience – ARS | Eric Stern, U.S.A. (p. 118) |

09:10~10:10 Instructional Course 13 (Systemic Disease) GBR 104+105 (1F)

Moderator(s) Qihang Chen, China / Marcos Guimaraes, Brazil

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| IC 13-1 | Vasculitis | Jose Vilar, Spain (p. 119) |
| IC 13-2 | The lung in systemic disease | Santiago Rossi, Argentina (p. 120) |
| IC 13-3 | Sarcoidosis | Lacey Washington, U.S.A. (p. 121) |

10:10~10:30 Coffee Break Grand Ballroom Lobby (1F)

10:30~12:30 Plenary Lecture V (Lung Cancer) GBR 103 (3F)

Moderator(s) Arfa Khan, U.S.A. / Masahiko Kusumoto, Japan

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| PL 05-1 | The new pathologic staging of lung cancer, implications for practice | William Travis, U.S.A. (p. 78) |
| PL 05-2 | Solid and ground-glass nodules: Guide to management | Jin Mo Goo, Korea (p. 79) |
| PL 05-3 | Revised TNM staging of lung cancer – A practical guide | Gerald Abbott, U.S.A. (p. 80) |
| PL 05-4 | PET-CT in lung cancer | Kyung Soo Lee, Korea (p. 81) |
| PL 05-5 | Surgical strategy for peripheral small sized non-small cell lung cancer | Ichiro Yoshino, Japan (p. 82) |
| | Panel Discussion | |

12:30~12:50 Closing Ceremony GBR 103 (3F)

Scientific Program

Scientific Poster

Asthma and Bronchiectasis

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| SP 001 | AIR TRAPPING IS A MAJOR DETERMINANT OF PERSISTENT AIRWAY OBSTRUCTION IN ASTHMATICS | Young Sik Lim, <i>Korea (p. 199)</i> |
| SP 002 | QUANTITATIVE STUDY FOR AIRWAY CHANGES OF MURINE ASTHMA MODELS ON MICRO-CT: COMPARISON WITH PATHOLOGIC FINDINGS | Jung Bin Lee, <i>Korea (p. 199)</i> |
| ★ SP 003 | APPLICATION OF DUAL-SOURCE CT WITH HIGH-PITCH SPIRAL MODE IN PEDIATRIC PATIENTS WITH CONGENITAL BRONCHOPULMONARY DYSPLASIA AND TRACHEOESOPHAGEAL FISTULA | Ximing Wang, <i>China (p. 199)</i> |
| ★ SP 004 | NEW INSIGHT INTO THE ASSESSMENT OF ASTHMA USING XENON VENTILATION COMPUTED TOMOGRAPHY | Chang-Hyun Lee, <i>Korea (p. 200)</i> |
| ★ SP 005 | AIR TRAPPING AMONG ASTHMA PATIENTS WITH SEVERE AIRWAY OBSTRUCTION: PREDICTION OF TREATMENT RESPONSE TO COMBINATION THERAPY OF SYSTEMIC AND INHALED CORTICOSTEROID PLUS INHALED LONG ACTING BETA2 AGONIST | Sang Min Lee, <i>Korea (p. 200)</i> |

Cardiovascular Disease

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| SP 006 | CHANGES OF LEFT ATRIAL VOLUME AND TRANSPORT FUNCTION IN PATIENTS WITH SINUS RHYTHM AFTER SUCCESSFUL RADIOFREQUENCY CATHETER ABLATION FOR ATRIAL FIBRILLATION: 1-YEAR FOLLOW-UP COMPUTED TOMOGRAPHY STUDY | Hwan-Seok Yong, <i>Korea (p. 201)</i> |
| SP 007 | DIAGNOSTIC PERFORMANCE OF ADENOSINE-STRESS MYOCARDIAL PERFUSION IMAGING USING SECOND-GENERATION DUAL-SOURCE DUAL-ENERGY CT: COMPARISON WITH INVASIVE CORONARY ANGIOGRAPHY AND CARDIAC MAGNETIC RESONANCE | Sung Mok Kim, <i>Korea (p. 201)</i> |
| SP 008 | USEFULNESS OF TEST-BOLUS INJECTION TECHNIQUE FOR CORONARY CT ANGIOGRAPHY IN PATIENT WITH LIVER CIRRHOSIS: REVISIT OF CONTRAST MEDIA HEMODYNAMICS | Sang Young Oh, <i>Korea (p. 201)</i> |
| SP 009 | EXTRACELLULAR VOLUME FRACTION OF DILATED CARDIOMYOPATHY WITHOUT OVERT LATE GADOLINIUM ENHANCEMENT; COMPARISON WITH 'NORMAL APPEARING MYOCARDIUM' OF ACUTE MYOCARDIAL INFARCTION | Chul Hwan Park, <i>Korea (p. 202)</i> |
| SP 010 | FEASIBILITY OF PROSPECTIVELY-GATED, 256-SLICED CORONARY CT ANGIOGRAPHY USING COMBINED 80KVP AND HYBRID ITERATIVE RECONSTRUCTION ALGORITHM | Jae Seung Seo, <i>Korea (p. 202)</i> |
| SP 011 | LATE GADOLINIUM ENHANCEMENT MAGNETIC RESONANCE IMAGING FOR THE ASSESSMENT OF MYOCARDIAL INFARCTION: COMPARISON OF IMAGE QUALITY BETWEEN SINGLE AND DOUBLE DOSE USAGE OF CONTRAST AGENT | Yeo Koon Kim, <i>Korea (p. 203)</i> |
| SP 012 | MDCT MEASUREMENTS OF PULMONARY ARTERIAL HYPERTENSION: CHARACTERISTICS IN HIGH-RESISTANCE AND HIGH-FLOW SUBTYPES | Fu-zong Wu, <i>Taiwan (p. 203)</i> |
| SP 013 | PULMONARY ARTERIAL ENLARGEMENT AND ACUTE EXACERBATIONS IN INTERSTITIAL PNEUMONIA | Shoichiro Matsushita, <i>Japan (p. 204)</i> |
| SP 014 | EPICARDIAL ADIPOSE TISSUE AREA MEASUREMENT FROM NON-ECG GATED LOW DOSE CHEST CT, AS WELL AS CORONARY CT ANGIOGRAPHY, CAN BE USED INSTEAD OF VOLUME MEASUREMENT | Hwan-Seok Yong, <i>Korea (p. 204)</i> |
| ★ SP 015 | LOWER TUBE VOLTAGE REDUCES CONTRAST AGENT AND RADIATION DOSE ON 128-SLICE DUAL-SOURCE CT IN PEDIATRIC CARDIAC CT ANGIOGRAPHY | Yanhua Duan, <i>China (p. 204)</i> |
| ★ SP 016 | IMPACT OF GENDER ON LEFT AND RIGHT ATRIAL END-DIASTOLIC VOLUMETRIC RATIO IN NORMAL SUBJECTS | Abdullahi Adamu, <i>Nigeria (p. 205)</i> |

- SP 017 SEMI-AUTOMATIC QUANTIFICATION OF LEFT VENTRICULAR SCAR IN PATIENTS WITH CORONARY ARTERY DISEASE USING LATE GADOLINIUM ENHANCEMENT CMR Gang Yin, *China* (p. 205)
- SP 018 PULMONARY ARTERY ANEURYSM WITH PORTOPULMONARY HYPERTENSION WITH MARFANOID FEATURES Vanitha Gnanasoundran, *India* (p. 206)

COPD

- SP 019 A CLINICAL IMPLEMENTATION OF THE PARAMETRIC RESPONSE MAP FOR COPD PHENOTYPING Ryan Chamberlain, *U.S.A.* (p. 206)
- SP 020 THE RATIOS OF PERIPHERAL TO CENTRAL AIRWAYS ON LUMEN AREA AND PERCENTAGE WALL AREA: A USEFUL PREDICTOR OF THE SEVERITY OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE Tomoaki Sasaki, *Japan* (p. 207)
- SP 021 COMPARISON OF CT VISUAL ASSESSEMENT PARAMETERS WITH SPIRAL CT DENSITOMETRY AND PULMONARY FUNCTION TESTING FOR EARLY DETECTION OF CHRONIC OBSTRUCTIVE LUNG DISEASE IN 646 KOREAN Myung Hee Chung, *Korea* (p. 207)
- SP 022 CORRELATION OF OBJECTIVE RADIOGRAPHIC MEASUREMENTS AND PULMONARY FUNCTION TESTS IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE OF POPULATION IN THE NORTHERN THAILAND Juntima Euathrongchit, *Thailand* (p. 208)
- ★ SP 023 ADAPTIVE ITERATIVE DOSE REDUCTION USING THREE DIMENSIONAL PROCESSING (AIDR 3D) VS. FILTER BACK PROJECTION: UTILITY FOR QUANTITATIVE BRONCHIAL ASSESSMENT ON LOW-DOSE THIN-SECTION MDCT IN PATIENTS WITH Hisanobu Koyama, *Japan* (p. 208)
- SP 024 3D- DYNAMIC CONTRAST-ENHANCED MR PERFUSION IMAGING DISTINGUISH BETWEEN HEALTHY VOLUNTEERS AND CHRONIC OBSTRUCTIVE PULMONARY DISEASE Yi Xia, *China* (p. 209)
- SP 025 EVALUATION OF HRCT PHENOTYPES OF COPD USING QUANTITATIVE CT AND DYNAMIC CONTRAST ENHANCED MR PERFUSION IMAGING Yi Xia, *China* (p. 209)

Coronary Disease

- SP 026 A FAST AUTOMATED CORONARY ARTERY TRACKING ALGORITHM WITH BACKGROUND EXCLUSION AND SELF-ADJUSTING REGION GROWING Pei-Kai Hung, *Taiwan* (p. 209)
- SP 027 CORRELATION OF VOLUMES OF SURROUNDING PERICARDIUM ADIPOSE TISSUE WITH THE SEVERITY OF CORONARY ARTERY ATHEROSCLEROSIS IN CORONARY HEART DISEASE PATIENTS Jian Wu, *China* (p. 210)
- SP 028 PREVALENCE AND EXTENT OF ATHEROSCLEROTIC CORONARY ARTERY DISEASE AND THE RELATED OUTCOME BASED ON CORONARY COMPUTED TOMOGRAPHIC ANGIOGRAPHY IN THE ASYMPTOMATIC ELDERLY PATIENTS: RETROSPECTIVE COHORTS Saerom Hong, *Korea* (p. 210)
- SP 029 320-MDCT VERSUS 64-MDCT CORONARY ANGIOGRAPHY: COMPARISON OF RADIATION DOSAGE Sonia Lam, *China* (p. 210)
- SP 030 CORONARY CALCIUM SCORE IS A BETTER PREDICTOR OF OBSTRUCTIVE CORONARY STENOSIS IN CHINESE MALE Yuan Heng Mo, *Taiwan* (p. 211)
- SP 031 THE COMBINED USE OF AUTOMATIC TUBE POTENTIAL SELECTION WITH TUBE CURRENT MODULATION AND ITERATIVE RECONSTRUCTION TECHNIQUE IN CORONARY CT ANGIOGRAPHY Young Joo Suh, *Korea* (p. 211)
- SP 032 THE CT IMAGING CHARACTERISTICS OF MYOCARDIAL BRIDGE Heshui Shi, *China* (p. 212)

DILD

- SP 033 AIRWAY CENTERED INTERSTITIAL FIBROSIS Hyun Joo Kim, *U.S.A.* (p. 212)
- SP 034 CONNECTIVE TISSUE DISEASE-RELATED FIBROTIC LUNG DISEASE: HIGH RESOLUTION COMPUTED TOMOGRAPHY PATTERNS FOR PROGNOSIS AND STAGING Simon Walsh, *U.K.* (p. 212)

Scientific Program

Scientific Poster

SP 035	CT FINDINGS OF PULMONARY HYPERTENSION MAY PREDICT TREATMENT RESPONSE IN IDIOPATHIC PULMONARY FIBROSIS	Song Soo Kim, <i>Korea</i> (p. 213)
SP 036	IN VIVO HELIUM-3 MR-ELASTOGRAPHY IN SMALL ANIMAL AND HUMAN LUNGS	Pierre Yves Brillet, <i>France</i> (p. 213)
SP 037	PREDICTION OF FINAL OUTCOME OF DRUG-INDUCED LUNG INJURY BY ERLOTINIB BASED ON IMAGING FINDINGS	Hiroaki Arakawa, <i>Japan</i> (p. 214)
SP 038	QUANTITATIVE CT LUNG FIBROSIS SCORE TO ASSESS LONGITUDINAL CHANGES IN IPF PATIENTS TREATED WITH IMMUNE SUPPRESSION	Hyun Kim, <i>U.S.A.</i> (p. 214)
SP 039	THORACIC MANIFESTATION OF MYELOPEROXIDASE-ANTINEUTROPHIL CYTOPLASMIC ANTIBODY (MPO-ANCA)-RELATED DISEASE: CT FINDINGS IN 149 PATIENTS	Yumiko Ando, <i>Japan</i> (p. 215)
SP 040	LUNG CANCER IN PATIENTS WITH COMBINED PULMONARY FIBROSIS AND EMPHYSEMA SYNDROME: COMPARISON WITH IDIOPATHIC PULMONARY FIBROSIS	Jae-Kwang Lim, <i>Korea</i> (p. 215)
SP 041	SUV AS DISEASE MARKER IN IDIOPATHIC PULMONARY FIBROSIS	Elaine Lee, <i>China</i> (p. 216)
SP 042	HISTOLOGIC AND RADIOLOGIC ASSESSMENT IN DYSPNEIC CIGARETTE SMOKERS	Teri Franks, <i>U.S.A.</i> (p. 216)

Drug-Related or Systemic Disease

SP 043	CT SCANS OF THE CHEST IN CARRIERS OF HUMAN T-CELL LYMPHOTROPIC VIRUS TYPE 1	Tsuneo Yamashiro, <i>Japan</i> (p. 216)
SP 044	DRUG-INDUCED LUNG DISEASE: MSCT FINDINGS IN 45 PATIENTS	Xiangmeng Chen, <i>China</i> (p. 217)

Functional

★ SP 045	NON-CONTRAST-ENHANCED PREOPERATIVE ASSESSMENT OF LUNG PERFUSION IN PATIENTS WITH NON-SMALL-CELL LUNG CANCER USING FOURIER-DECOMPOSITION MAGNETIC RESONANCE IMAGING	Marcel Koenigkam Santos, <i>Brazil</i> (p. 217)
SP 046	QUANTITATIVE CT ASSESSMENT OF AIR TRAPPING IN RELAPSING POLYCHONDRIITIS: CORRELATIONS WITH SPIROMETRIC VALUES	Shoichiro Matsushita, <i>Japan</i> (p. 218)
SP 047	RELATIONSHIP BETWEEN QUANTITATIVE CT MEASUREMENTS OF SMALL PULMONARY VESSELS AND PULMONARY PERFUSION	Shin Matsuoka, <i>Japan</i> (p. 218)
SP 048	THE EFFECT OF PULMONARY BLOOD FLOW CHANGES ON OXYGEN-ENHANCED LUNG MAGNETIC RESONANCE IMAGING	Hye-Jeong Lee, <i>Korea</i> (p. 218)

Infection

SP 049	CLINICAL AND RADIOLOGICAL CHARACTERISTICS OF PATIENTS WITH LUNG-INVOLVED TOXOCARIASIS IN KOREA	Bo Mi Park, <i>Korea</i> (p. 219)
SP 050	CT FINDINGS IN 1149 PATIENTS WITH PNEUMONIA: DECISION TREE TO ESTIMATE CAUSATIVE PATHOGENS	Fumito Okada, <i>Japan</i> (p. 219)
SP 051	PRESENTING CXR CHARACTERISTICS OF H1N1 FLU COMPARED WITH NON H1N1 COMMUNITY ACQUIRED PNEUMONIA IN HOSPITALISED PATIENTS	Edwin Van Beek, <i>U.K.</i> (p. 220)
SP 052	USEFULNESS OF CHEST CT TO ASSESS THE PERSISTENT DISEASE ACTIVITY OR POSSIBILITY OF EARLY REACTIVATION OF PULMONARY TUBERCULOSIS	Joon Young Park, <i>Korea</i> (p. 220)
SP 053	COMMUNITY-ACQUIRED ACINETOBACTER BAUMANNII PNEUMONIA : RADIOLOGICAL AND CLINICAL FINDINGS	Jeong Joo Woo, <i>Korea</i> (p. 220)
SP 054	CT FINDINGS IN PATIENTS WITH PULMONARY TUBERCULOSIS WITH PERSISTENT CAVITY, IN SPITE OF NEGATIVE SPUTUM AFTER ANTITUBERCULOUS THERAPY	SangHyeon Kim, <i>Korea</i> (p. 221)
SP 055	QUALITY ASSESSMENT IN CHEST RADIOGRAPHY USING MULTI-FREQUENCY TECHNIQUE	Yuan Yuan, <i>China</i> (p. 221)

★ Printed Poster

SP 056	SUBCUTANEOUS FAT MASS AND PULMONARY NONTUBERCULOUS MYCOBACTERIAL DISEASE	In Hye Chae, <i>Korea</i> (p. 222)
★ SP 057	CHEST X-RAY FEATURES IN SMEAR NEGATIVE PULMONARY TUBERCULOSIS IN SABAH, BORNEO	Fatimah Hussin, <i>Malaysia</i> (p. 222)
★ SP 058	THIN-SECTION COMPUTED TOMOGRAPHY FINDINGS IN STREPTOCOCCUS MILLERI PULMONARY INFECTION	Kouhei Tokuyama, <i>Japan</i> (p. 222)
★ SP 059	THIN-SECTION CT FINDINGS IN ACUTE HAEMOPHILUS INFLUENZAE PULMONARY INFECTION	Yasuko Kumai, <i>Japan</i> (p. 223)
SP 060	PULMONARY NONTUBERCULOUS MYCOBACTERIAL INFECTION MIMICKING MALIGNANCY: IMAGING FEATURES AND CLINICAL IMPLICATIONS	Su Jin Hong, <i>Korea</i> (p. 223)

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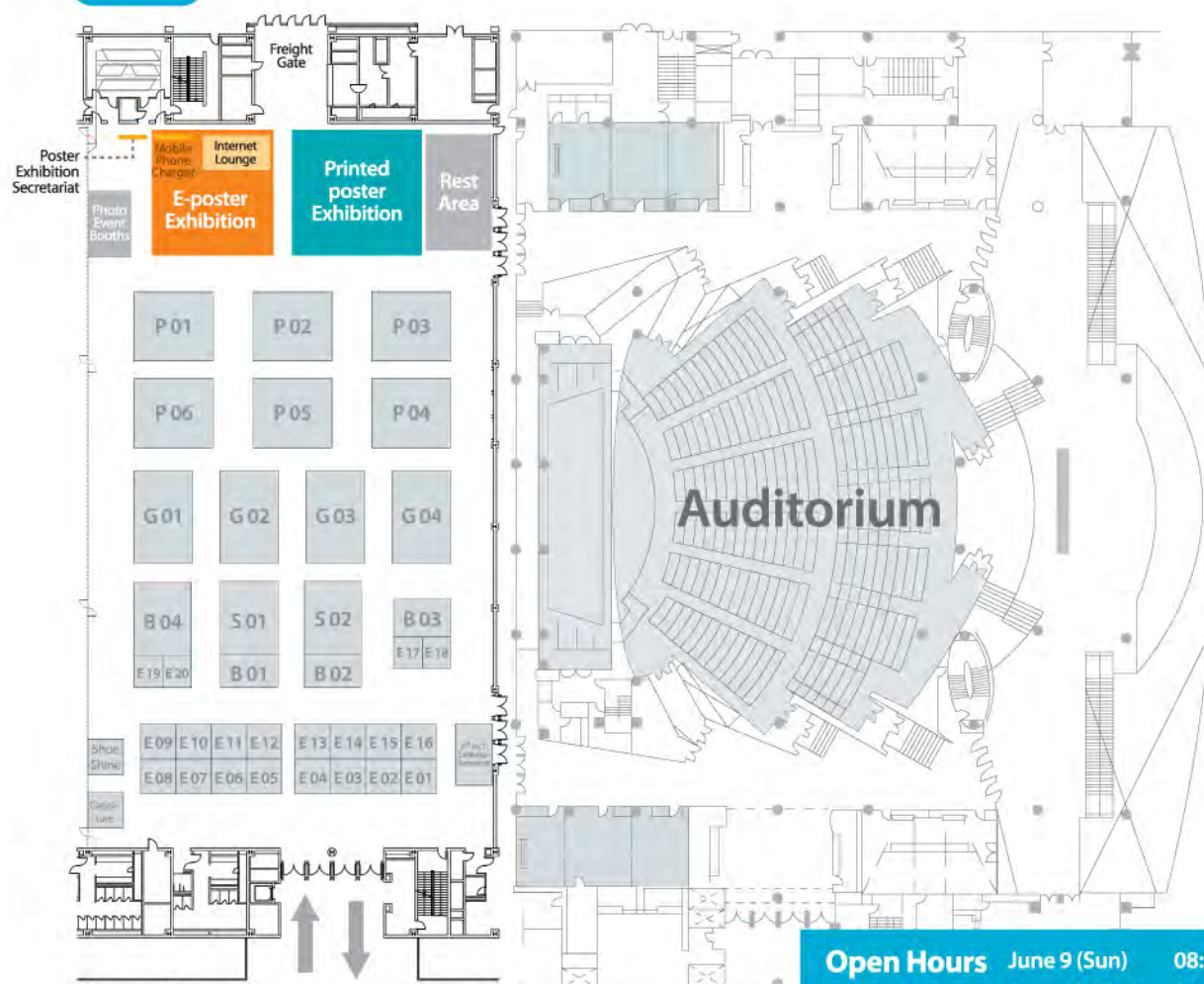
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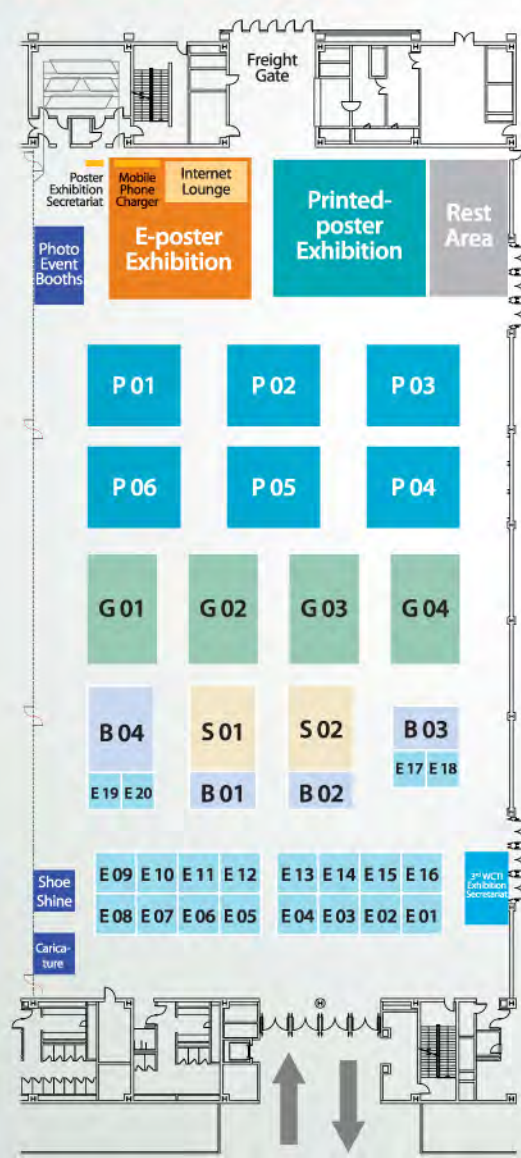
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- Cardiovascular Disease
- COPD
- Coronary Disease
- Drug-Related or Systemic Disease
- Functional
- Infection
- Intervention
- Lung Cancer
- Lung Cancer Screening
- Mediastinum / Plerua
- Pulmonary Embolism
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Technical Exhibition

General Information

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G 02	CMS (Central Medical Service)	E 09	LG Life Sciences
G 03	Bracco	E 10	Society of Thoracic Radiology
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B 01	ACCUZEN	E 14 - E 15	Carestream Health Korea
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Exhibition Directory

P 03

Guerbet



- **Product or service of company**
Contrast Agents, Drugs, and Pharmaceuticals
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- **E-mail** Hyun-Jong.Kim@guerbet-group.com
- **Website** www.guerbet.co.kr

Guerbet Group, specialized in contrast agents for medical imaging has since 2006 invested €195 million in its R&D programmes and €145 million in its three French production sites. Today more than 70% of Guerbet's production is exported to more than 70 countries. Guerbet is an innovator, developer and manufacturer of contrast agents and injection systems. Contrast agents are essential for diagnosis, therapeutic decisions (surgical, medical or other) as well as for individualized monitoring of the efficacy of the proposed treatment.

P 05

Bayer Korea Ltd.



- **Product or service of company**
Contrast Agents, Drugs, and Pharmaceuticals
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- **Website** www.ri.bayer.co.kr

Bayer Healthcare, a worldwide market leader in diagnostic imaging, we continue to drive forward innovation in CT & MRI and focus on innovative approaches in interventional. Bayer Healthcare is providing Ultravist®, a locally-manufactured contrast medium for X-Ray and CT, Gadovist®, a high concentrated MR contrast medium and Primovist®, a liver-specific MR contrast medium.

From 2012, Bayer HealthCare has formed a new business unit through the integration of its subsidiary Medrad, medical equipment support services Inc. and Bayer HealthCare Pharmaceuticals' contrast media business. The new unit operated under the name of "Radiology and Interventional".

Through this combination, Bayer Healthcare hopes to offer you with new innovative solutions in radiology to deliver the best choice of solutions to you to improve medical procedures and patient care.

P 02

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Radiology Related Product, PACS and Medical Informatics
- **President** Mr. Sangkyu LEE
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- **Website** http://www.shinkisa.com

SHINKI Commercial Co., Ltd. is a Sole Distributor of the medical parts of the FUJIFILM Corporation in South Korea.

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SHINKI Commercial Co., Ltd. has over 50% of market share in the South Korea's medical film industry.

SHINKI Commercial Co., Ltd. is currently a leading company with number one market share in Computed Radiography.

P 04

DongKook Pharmaceutical



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Contrast Agents, Drugs, and Pharmaceuticals
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- **E-mail** moonandus@gmail.com
- **Website** http://www.dkpharm.co.kr

- The mostly widely used Iopamidol product in Korea
- Optimum safety of physicochemical property & contrast-induced nephropathy
- Exporting contrast media to EU and Japan about 13 million US dollar in 2009

Technical Exhibition

Exhibition Directory

P 06

SAMSUNG

SAMSUNG

- **Product or service of company**
Radiology Related Product (CT, MRI, US etc.)
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Samsung Electronics' Health & Medical Equipment Business

Samsung Electronics has contributed to the digital revolution through products that encompass innovative technologies, original designs, convenience, and customer values, and has always been a leader of such revolution. By branching out into the medical equipment industry, Samsung Electronics aims to become a global leader as a healthcare company through joining together its IT, image processing, semiconductor and communication technologies into medical devices. The Health & Medical Equipment Business now sells cutting-edge medical devices including diagnostic ultrasound, digital X-ray, blood analyzer and CT scanner in more than 110 countries around the world

P 01

GE Healthcare Korea



- **Product or service of company**
Radiology Related Product (CT, MRI, US etc.), PACS and Medical Informatics, Molecular Imaging, Contrast Agents, Drugs, and Pharmaceuticals, Interventional Radiology and Special Procedures
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GE Healthcare Korea is a subsidiary of GE Healthcare, a unit of General Electric Company. GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services helps our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems. For more information about GE Healthcare, visit our website at www.gehealthcare.com or www.gehealthcare.co.kr.

G 03

Bracco



- **Product or service of company**
Contrast Agents, Drugs, and Pharmaceuticals
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- **Website** www.braccoimaging.com

Bracco Imaging S.p.A., part of the Bracco Group, is one of the world's leading companies in the diagnostic imaging business. Headquartered in Milan, Italy, Bracco Imaging develops, manufactures and markets diagnostic imaging agents and solutions that meet medical needs and facilitate clinical solutions.

Bracco Imaging offers a products and solutions portfolio for all key diagnostic imaging modalities: X-Ray Imaging (CT, Interventional Radiology, and Cardiac Catheterization), MRI, Contrast Enhanced Ultrasound (CEUS), Nuclear Medicine through radioactive tracers. The diagnostic imaging offer is completed by several medical devices and advanced administration systems for contrast imaging products in the fields of radiology.

The Company operates in over 90 markets worldwide, either directly or indirectly, through subsidiaries, joint ventures, licenses and distribution partnership agreements.

G 02

CMS (Central Medical Service)



- **Product or service of company**
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Central Medical Service Ltd.(CMS) was established in 2007.

Our company is contrast media specialty company for CT and MRI. We have produced our goods based on the knowledge and experience in the field of the chemical engineering.

CMS is providing Bonorex, a locally-manufactured contrast medium for X-ray and CT, Bono-I, contrast medium for MRI including 5ml vials for neonate and pediatrics. Especially we are progressing clinical trial of Iohexol 380 first time in the world.

We have continuously trying to develop special products for diagnostics.

G 04
Toshiba Medical Systems Korea
TOSHIBA
 Leading Innovation >>>

- **Product or service of company**
Radiology Related Product (CT, MRI, US etc.)
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- **Website** www.toshibamedical.co.kr

With the headquarter in Seoul, Korea, Toshiba Medical Systems Korea (TMSK) has supplied diagnostic imaging systems, such as CT, MRI, X-ray, Angiography and Ultrasound systems as the subsidiary of Toshiba Medical Systems Corp., a global leading provider of diagnostic medical imaging systems and comprehensive medical solution. For more information, visit TMSK's website at www.toshibamedical.co.kr

Toshiba Medical Systems Korea

- 1) Location : 7F KTB Building, 23-3 Yeouido-Dong, Yeongdeungpo-Gu, Seoul
- 2) Scope of Business : Sales and Technical Service for Medical Equipment
- 3) President : Charles Ju

S 02
Reyon Pharmaceutical Co.,Ltd.
 REYON PHARMACEUTICAL CO., LTD.

COVIDIEN

- **Product or service of company**
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Reyon medical company was established in 1955, and since its establishment it has developed anti-cancer medicine, eye-drops, stypitics, antibiotics, and anti-inflammatories. In excess of 120 medicines have been produced and sold successfully, and the FDA phase-2 clinical drug project is currently underway. Reyon also works closely with 'Covidien' a leading global multinational company in the field of diagnosis. Covidien is an industry leader in imaging, providing radiopharmaceuticals, contrast media and delivery systems to aid diagnosis and treatment of disease in many imaging procedures. Covidien Pharmaceuticals supplies contrast media with Reyon Pharm. And contrast delivery system with D&D Hunex in Korea. We currently produce, supply and market contrast media and we plan to continue this trend successfully in the future. Reyon is taking this opportunity to participate in the radiology academy, so as to contribute further to public health „whilst also investing in R&D for future products.

G 01
Siemens Healthcare
SIEMENS

- **Product or service of company**
Radiology Related Product (CT, MRI, US etc.)
PACS and Medical Informatics
Molecular Imaging
Interventional Radiology and Special Procedures
- **President** Mr. HyeonGu Park
- **Correspondence** Ms. NaeJung Hwang
- **Tel** +82-2-3450-7685
- **Fax** +82-2-3450-7879
- **E-mail** Naejung.hwang@siemens.com
- **Website** www.siemens.co.kr/healthcare

The Siemens Healthcare Sector is one of the world's largest suppliers to the healthcare industry and a trendsetter in medical imaging, laboratory diagnostics, medical information technology and hearing aids. Siemens offers its customers products and solutions for the entire range of patient care from a single source – from prevention and early detection to diagnosis, and on to treatment and aftercare. By optimizing clinical workflows for the most common diseases, Siemens also makes healthcare faster, better and more cost-effective. Siemens Healthcare employs some 51,000 employees worldwide and operates around the world. In fiscal year 2011 (to September 30), the Sector posted revenue of 12.5 billion euros and profit of around 1.3 billion euros.

For further information please visit: www.siemens.com/healthcare.

S 01
Philips
PHILIPS

- **Product or service of company**
Radiology Related Product,
Interventional Radiology and Special Procedures
- **President** Mr. Tae Young Kim
- **Correspondence** Ms. Jihyun Bae
- **Tel** +82-2- 709-1200
- **Fax** +82-2- 709-1210
- **E-mail** Jihyun.bae@philips.com
- **Website** www.philips.co.kr/healthcare

Philips is a diversified health and well-being company, committed to understanding the technological and human needs of patients and caregivers. We combine our unique clinical expertise with human insights to develop solutions that help you deliver faster, more accurate diagnosis, treatment and follow-up care throughout the entire people-focused care cycle. We believe we can make a difference by removing boundaries in healthcare with our innovative and affordable imaging technology solutions for advanced diagnostic imaging (Computed Tomography, Magnetic Resonance and Nuclear Medicine), interventional X-ray, diagnostic X-ray and ultrasound. Visit us at WCTI 2013 to find our advanced Technology ,Ingenuity CT and IMR(Iterative Model Reconstruction)

Technical Exhibition

Exhibition Directory

B 02

**DAEWOONG
PHARMACEUTICAL CO., LTD.**



• **Product or service of company**
Contrast Agents, Drugs, and Pharmaceuticals

• **President** Mr. Jong wook Lee
• **Correspondence** Mr. Min young Choi
• **Tel** +82-2-550-8048
• **Fax** +82-2-550-8010
• **E-mail** cmy4068@daewoong.co.kr
• **Website** www.daewoong.co.kr

Established in 1945, Daewoong Pharmaceutical Co., Ltd. has the largest prescription drug sales in Korea and envisions itself to become a top 50 global healthcare company by 2015. Daewoong has maintained a steady growth rate in the double digits and has paid surplus dividends for the last 40 years. Now, Daewoong is the No.1 pharmaceutical company in the Korean clinic market.

In addition to its product portfolio, which includes 15 blockbuster products, (Gliatirin, Ursa, Albis, Gasmotin..etc) Daewoong has built strong core competency for new drug development and has cultivated a cooperative culture for collaboration with global partners.

In the future, Daewoong will expand its global business with its foreign branches and global partners and become a global healthcare group which contributes to improving the quality of life for people worldwide.

B 03

INFINITT Healthcare Co., Ltd.



• **Product or service of company**
PACS and Medical Informatics

• **President** Mr. Ki Tae Hong
• **Correspondence** Ms. Tina Jihyun Kim
• **Tel** +82-2-2194-1694
• **Fax** +82-2-2194-1699
• **E-mail** kimjh@infinit.com
• **Website** www.infinit.com

INFINITT Healthcare is the global leading healthcare IT company providing the technologically advanced solutions with groundbreaking idea to bring positive changes in our society. Our company has developed the highest quality technology through R&D investment based on 15+ years of accumulated know-how from various experiences. Combining medical imaging and information technologies, INFINITT provides advanced medical solutions including PACS (Picture Archiving & Communication System), 3D Diagnosis Support System (Xelis), Radiology Information System (RIS) and Clinical Information System (CIS). Currently, INFINITT is rapidly growing as a worldwide healthcare company by expanding reliable services to more than 2,700 healthcare institutions of 42 countries.

B 01

ACCUZEN



• **Product or service of company**
Contrast Agents, Drugs, and Pharmaceuticals

• **President** Mr. TAE YOUNG LEE
• **Correspondence** Mr. Sang TAE LEE
• **Tel** +82-2-799-0088
• **Fax** +82-2-749-6601
• **E-mail** stlee@accuzen.com
• **Website** www.accuzen.com

ACCUZEN is an emerging global company in the contrast media market.

ACCUZEN manufactures and markets generic products; IOBRIX® (Iohexol) and Radisense® (Iopamidol) for CT & angiography and MRbester® (Gd-DTPA) for MRI contrast media.

ACCUZEN successfully launched first generics of Iodixanol Inj. and Iversense® (Ioversol) for CT & angiography in the world.

ACCUZEN became a renowned company specialized in the field of contrast media by developing MRbester® with our own technology in October 2005.

We are pleased to introduce ACCUZEN as a specialized sales corporation in contrast media and our impassioned desire to build a solid reputation as a representative Korean pharmaceutical brand.

B 04

GEMSS MEDICAL SYSTEMS CO., LTD.



• **Product or service of company**
Radiology Related Product (CT, MRI, US etc.)

• **President** Mr. Ja Seong Lee
• **Correspondence** Ryan Cho
• **Tel** +82-31-764-7321
• **Fax** +82-31-764-7324
• **E-mail** sales@gemss-medical.com
• **Website** www.gemss-medical.com

GEMSS MEDICAL SYSTEMS CO., LTD. (Previously known as COMED) is a leading medical equipment company in Korea specialized in manufacturing of digital radiography, C-arm, lithotripter and conventional X-ray systems. GEMSS owns core technologies such as high frequency generator, CCD detector and its first and high quality products are actively used in Urology, Orthopaedic, Radiology centers and many other hospitals.

GEMSS has always been dedicated to product development. In result, it has all forms of products with the radiography, C-arm, ESWL series, and the capacity to pursue its business goal to create world-class products in each series of products. With the reliable and innovative products, it has constantly explored the global market for the last decade. Owing to these efforts, it has become the biggest exporter of x-ray equipment in KOREA. It has earned 55% of total revenues from exports as of the end of 2012 and is pursuing to export 70% of total revenues from exports this year. In the future, GEMSS is planning to contribute to KOREA's medical industry and the health of mankind through unwavering R&D and reliable technology and to challenge the world once again with its new name, GEMSS, as an opportunity to start fresh.

E 01
Koonja Publishing

군자출판사
KOOJA PUBLISHING INC.

Product or service of company

Publication

- **President** Mr. Ju-Yeun Chang
- **Correspondence** Mr. Huiseong Jang
- **Tel** +82-2-741-4494
- **Fax** +82-2-764-0209
- **E-mail** hsjang0613@naver.com
- **Website**

Koonja has become the market leader and published about 1,500 medical books in every field over 30 years. Koonja also exhibits its own new titles at FBF in Germany every year and exports them as well. Koonja always strive to supply medical professionals with the most up-to-date information and is the first company in the field to provide e-book service which was started in 2013.

E 02
CNC Co., Ltd (BARCO)

Product or service of company

Radiology Related Product (CT, MRI, US etc..)

- **President** Mr. Sangho Choi
- **Correspondence** DongNyoung Kim
- **Tel** +82-2-1544 - 0268
- **Fax** +82-2-2655 - 9989
- **E-mail** dnkim@candc.co.kr
- **Website** WWW.Data114.com

Barco Monitor Healthcare Department is designated as a distributor from 2012.

The CNC is responsible for the maintenance of the equipment and the reading and clinical, surgical monitor sales.

Also Our service Engineers are check for image management quarterly, and For the implementation of the best image is always effort hardly.

E 03
TechHeim Co., Ltd

Product or service of company

PACS and Medical Informatics

- **President** Mr. James Kim
- **Correspondence** Mr. Mike Kim
- **Tel** +82- 31-730-0020
- **Fax** +82- 31-730-0021
- **E-mail** mike@techheim.com
- **Website** www.techheim.com

TechHeim provides suite of reliable PACS and teleradiology components that are affordable. Each of the modules can be implemented in stages, allowing healthcare providers to ease the transaction to a digital image environment over a desired period of time. TechHeim PACS enhances clinical, operational, and administrative functions with an approach that emphasis workflow efficiency and customer satisfaction. Its modular design for easy integration with a broad range of third party systems. TechHeim has been serving customers for more than 13 years. ViewRex solutions are deployed globally in more than 700 sites.

TechHeim is a leader in innovative design, world-class manufacturing, and global marketing of quality products and services for PACS and healthcare solutions.

E 04
KOSTEC Co., Ltd.

Product or service of company

Radiology Related Product (CT, MRI, US etc..)

- **President** Mr. Oh-sung KWON
- **Correspondence** Mr. Ju-sik YOON
- **Tel** +82-33-747-9672
- **Fax** +82- 33-747-9673
- **E-mail** kostec@n-kostec.co.kr
- **Website** www.n-kostec.co.kr

Kostec specializes in designing. Developing and manufacturing industrial image display devices. Particularly medical imaging display monitors. Since 2006, Kostec has devoted its time and efforts to development of special purpose display solutions including medical imaging solutions and achieved big growth in technological development.

Founded on ultrasound imaging technologies, Kostec has developed a variety of imaging technologies and solutions required in various medical modalities and industrial facilities, and all the efforts, experience and R&D investment in the past years have come to a result of superb-quality display lineup from small and large open-frame solutions to 5 megapixel medical monitors for digital mammography.

Kostec is committed to providing reliable custom service and technology for the global clients and partners, and will make devotional efforts for the growth of medical industry.

Technical Exhibition

Exhibition Directory

E 05-06

DK Medical Solutions

DK⁺ Medical Solutions

- **Product or service of company**
Radiology Related Product (CT, MRI, US etc.)
- **President** Mr. Chang- Kyu Lee
- **Correspondence** Ms. So-Rim Lee
- **Tel** +82-2-3498-1879
- **Fax** +82-2- 529-6159
- **E-mail** carolinelee@dk.co.kr
- **Website** www.dk.co.kr

DK Medical Solutions Co.,Ltd has gained a good reputation with its prominent selection of valuable products and excellent services especially in the diagnostic imaging filed.

Currently represents Shimadzu for various X-ray systems including Mobile, RF, Angio and DR, Ziehm imaging for mobile C-arm X-ray. Also provides various types of Digital X-ray systems (a full configuration of system as well as upgrade solutions) under its own brand, DK Medical systems.

Over 130 employees including 70 engineers who are spread over the HQ and 4 branches at a major cities, provide high quality of service countrywide.

E 07

KYOTO KAGAKU

 **KYOTO KAGAKU co.,LTD**

- **Product or service of company**
Radiology Related Product (CT, MRI, US etc.)
- **President** Mr. Tamotsu Katayama
- **Correspondence** Mr. Amame Takano
- **Tel** +81-75-605-2510
- **Fax** +81-75-605-2519
- **E-mail** takano@kyotokagaku.co.jp
- **Website** <http://www.kyotokagaku.com/>

We, KYOTO KAGAKU, are a manufacturer of simulator & training models for medical and nursing education and medical imaging phantoms. To meet the increasing need for educational materials, we have been creating unique models and specimens. Today, our activities are widely involved in the field of education for medical and healthcare professionals. Ranging from nurses and caregivers, physicians and surgeons, radiographers and sonographers, patients and students, also including residents to doctors in practice.

In order to keep serving education for the coming future generations, KYOTO KAGAKU continuously seek for innovation, holding high standards for quality.

E 08

DRTECH CORPORATION

DRTECH

- **Product or service of company**
Radiology Related Product (CT, MRI, US etc.)
- **President** Mr. Jungkee Yoon
- **Correspondence** Ms. Sunny Bae
- **Tel** +82-31-784-8834
- **Fax** +82-31-784-8899
- **E-mail** ssbae@drtech.co.kr
- **Website** www.drtech.co.kr

Make it viewable, make our lives valuable.

We, DRTECH, are a global provider of the high quality flat-panel X-Ray detectors for Digital Radiography by its own technology and manufacturing facility in Korea.

Since it was established in 2000, we have been dedicating to the development of the technology including proprietary TFT (Thin-Film Transistor) array, novel Selenium coating, low noise high precision electronics, and image processing etc. More than 4,000 detector products have been installed and operating in 40 countries around the world. Our goal is to be the best partner to our customers by providing the best satisfactory quality products and services first time and every time. Our great experience in both technology and the customer relationship will be the most valuable basis to achieve this goal. Our continuing effort to the innovative technology will lead us toward the exciting digital radiographic world in 21st century.

E 09

LG Life Sciences

 **LG Life Sciences**

- **Product or service of company**
Contrast Agents, Drugs, and Pharmaceuticals
- **President** Mr. ILJAE JUNG
- **Correspondence** Mr. Seok Moon Kang
- **Tel** +82-2-6924-3747
- **Fax** +82-2-6924-3747
- **E-mail** ksmtim@lgls.com
- **Website** www.lgls.co.kr

LGLS was spun off from LG Chem Investment in 2002, becoming a full-fledged affiliate of the LG Group. Our mission is to create maximum long-term shareholder value by specializing in life science R&D and product commercialization. And through our vision to grow our company into a world-class life science organization with a portfolio of top-tier pharmaceutical products, LGLS is building a network of strategic alliances to extend its drug-development and marketing reach. The LG has made a significant investment in life sciences, targeting the field as a major growth-driver for the future. We are therefore equipped with state-of-the-art technology and manned by highly qualified research staff a combination that is producing innovative drugs that make human lives more rewarding and enjoyable.

E 10

Society of Thoracic Radiology



• Product or service of company

Societies

- **President** Ms. Barbara McLeod
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- **Tel** 001+1+507-288-5620
- **Fax** 001+1+507-288-0014
- **E-mail** str@thoracicrad.org
- **Website** www.thoracicrad.org

The Society of Thoracic Radiology (STR) is dedicated to the lifelong learning of cardiothoracic radiologists and other health professionals and to the advancement of medical care through the science of radiology and allied disciplines.

Benefits of membership include resources and activities such as:

- Annual meetings offering postgraduate courses, workshops, lectures and self-assessment modules
- Videos of postgraduate course presentations
- The Journal of Thoracic Imaging and STR's quarterly newsletter; Inspiration
- Grant funding opportunities encouraging promising research by young investigators
- The annual Jack Westcott Award for the best oral presentation given by a resident

Please stop by our booth to learn more about The Society of Thoracic Radiology.

E 12

AZE, Ltd. / NEODEA CO.,LTD



• Product or service of company

PACS and Medical Informatics

- **President** Mr. Shogo Azemoto
- **Correspondence** Mr. Yuji Akamatsu
- **Tel** +82-3-3212-7721
- **Fax** +82-3-3212-7722
- **E-mail** global_info@aze.co.jp
- **Website** http://www.aze.co.jp/en/

AZE, Ltd., a Japan-based developer and provider of 3D advanced visualization solution, opened R&D center in Boston to create new products and systems that enrich the quality of life.

Based on AZE's proprietary and patented technology, "PRISMA", AZE's 3D imaging solution, "AZE VirtualPlace", provides users with feature-rich packages; Standard edition, Cardiac edition, and Neuro edition, and supports a variety of application options; Fusion, Perfusion, Coronary/Colon/Liver/Lung Analysis, Delayed enhancement, Subtraction, etc. The 3D imaging software, with no special hardware, sufficiently run on a general workstation, and its user-friendly and intuitive GUI marks high scores from worldwide users.

E 11

The Korean Society of Radiology



• Product or service of company

Societies

- **President** Prof. Tae-Hwan Lim
- **Correspondence** Ms. Seolhee Lim
- **Tel** +82-2-578-5766
- **Fax** +82-2-529-7113
- **E-mail** office@radiology.or.kr
- **Website** http://www.radiology.or.kr/

The Korean Society of Radiology (KSR) was established in 1945, and currently has around 4,000 Korean radiologists as members. It hosts the Korean Congress of Radiology (KCR) every year. The 69th Korean Congress of Radiology (KCR 2013) will be held on October 9 - 12, 2013 at Coex, Seoul, Korea under the theme of "Active Collaboration: The Ultimate Future of Radiology."

With more than 3,000 participants, the KCR annual international congress has seen the number of its sessions operated in English increase to over 70% of the whole program. This shows the dedication of the KSR to share its expertise with the rest of the world and grow together for the future of radiology.

KCR 2013 will consist of an Opening Session (President's Address, Congress Lecture), Plenary Lecture, Categorical Courses, Interactive Sessions, Refresher Courses, Special Focus Sessions, Multisession Courses, Image Interpretation Session, Grant Writing Workshop, Joint Symposium with International Cancer Imaging Society (ICIS), Pre-congress for Facing New Challenges: MR/PET Symposium, Visionary Education Session, What's New Session, Scientific Sessions, Scientific Exhibition, Sunrise Sessions, Luncheon Symposia, and Social Program.

We look forward to having you join us at KCR 2013 in Seoul during the beautiful season of October.

E 13

Imbio, LLC



• Product or service of company

- **President** Mr. Troy Kopischke
- **Correspondence** Ms. Anne Baumgartner
- **Tel** 612-520-7361
- **Fax**
- **E-mail** troykopischke@imbio.com
- **Website** www.imbio.com

Founded in 2005, Imbio develops medical imaging software solutions that save lives and reduce costs. The Company's technology has inspired the development a new suite of tools for the diagnosis and tracking of adverse medical conditions including cancer and COPD. We are driven to imagine, solve and build solutions that make a difference in the world.

Technical Exhibition

Exhibition Directory

E 14-15

Carestream Health Korea

Carestream

- **Product or service of company**
Radiology Related Product (CT, MRI, US etc.)
- **President** Mr. Hyun-Tai Ro
- **Correspondence** Ms. Jung-Eun Kim
- **Tel** +82-2-3438-7300
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- **E-mail** jung-eun.kim@carestream.com
- **Website** www.carestream.com

Carestream Health is a dynamic global company with more than 100 years of leadership.

We are one of the top global providers of both computed radiography (CR) and digital radiography (DR) systems, with a track record for innovation including the world's first wireless, cassette-size DR detector (the CARESTREAM DRX-1 System).

We also have thousands of healthcare information management solutions—such as RIS/PACS, eHealth Services and more—installed worldwide.

E 17-18

DRGEM

DRGEM

- **Product or service of company**
- **President** Mr. Jung Byung Park
- **Correspondence** Mr. Chung Hwa Lee
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- **Fax** +82-2-869-8567
- **E-mail** leechman@drgem.co.kr
- **Website** www.drgem.co.kr

DRGEM tries to make you happy with our best x-ray products, and aims to be one of the world's leading manufacturer in X-ray generators, X-ray diagnostic equipment and Digital Radiography systems.

DRGEM's mission is to support you to have a successful business. In order to realize this, we always are finding needs in the market and developing a new technology to meet it.

Based on x-ray generator developed by DRGEM, we provide 60 countries in all the world with x-ray generators, general radiography systems and DR systems.

Being half of our total sales amount from USA market, we will satisfy you with our high quality but economic price.

E 16

TeraRecon


TERARECON

- **Product or service of company**
 - Radiology Related Product (CT, MRI, US etc.)
 - PACS and Medical Informatics
- **President** Mr. Robert Taylor
- **Correspondence** Ms. Satoko Masuda
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- **E-mail** info@terarecon.com
- **Website** www.terarecon.com

TeraRecon is a global leader in advanced image processing for CT, MR, PET & 3D visualization techniques. The company provides image management systems for healthcare applications based on its unique and patented image processing technologies. TeraRecon provides a comprehensive suite of imaging tools via client-server technology, iNtuition™, offering the most in terms of power, concurrent users and applications, with the smallest hardware footprint. Today, the company offers its suite of iNtuition Vendor-Neutral Applications, which can access the images stored in a Vendor-Neutral Archive (VNA), enabling physicians across specialty and geography to share them without any hassle or CDs. A seven-time winner of Frost and Sullivan awards, the company has developed a leading portfolio of products that advance the performance, quality, functionality, and integration of image processing and 3D visualization systems.

E 19-20

With Health Care

 **WITH**
HEALTHCARE

- **Product or service of company**
Contrast Agents, Drugs, and Pharmaceuticals
- **President** Mr. Myung Hwan Son
- **Correspondence** Mr. Jun Hyung Lee
- **Tel** +82-2-2253-7718
- **Fax** +82-2-7753-7715
- **E-mail** stiano56@hanmail.net
- **Website** www.withhealthcare.com

With Health Care was founded in 2007 and since then we have been made our greater effort for being a specializing company in Korean contrast media sales.

Needless to say, our best value is the trust on the customer.

Our main product, "Omnihexol" (Iohexol) is a low-osmolality, nonionic contrast media for CT and angiography. It is made by Korea United Pharmacy which had improved the manufacturing patent using ultrasonic process line to minimize the amounts of impurities. So that it could reduce the side effect that is possible to happen. For its stability, safety, and high purity, both patients and physicians can be satisfied by enabling accurate imaging.

The safety of "Omnihexol" is proved by two big hospitals in Korea Seoul National University and Yonsei Severance in 2010.

Better Safety, Trust, and Confidence for patients and clients, we will always do our best.

Congress Information

Registration

Registration Desk

• Place	Grand Ballroom Lobby, 1F, COEX	
• Operation	June 8 (Sat)	07:30 – 18:30
• Date & Time	June 9 (Sun) – June 10 (Mon)	06:50 – 18:30
	June 11 (Tue)	06:50 – 14:00

Name Tag

Name tags will be used as passes. You are kindly requested to wear your name tag throughout the Congress. Please note that admission to all the session rooms will be strictly restricted to the registered participants wearing their name tags.

You will also find on the name tag your registration receipt and Kit coupon, as well as Gala Dinner ticket for those who applied for the dinner. Others may also have an additional ribbon attached to their name tag depending on their role such as Invited Speaker, Moderator, Presenter or Organizing Committee member.

Blue	Participant	Green	Participant for One-day	Orange	Exhibitor
Sky Blue	Accompanying person	Pink	Participant for Pre-Congress Course	Purple	Secretariat / Staff

* Your name tag includes a barcode with your name and registration information.

Congress Kit

A congress kit desk is located separately near the registration desk.

Please exchange your "Congress Kit Coupon" with the congress kit. It contains a Program Book, an Eco Pens & Pencil Set, two Stamp Tour Cards (one card per day) and a Session Evaluation Form.

Preview Room

• Place	# 201 Foyer, 2F, COEX	
• Operation	June 8 (Sat)	07:30 – 18:00
• Date & Time	June 9 (Sun) – June 10 (Mon)	06:50 – 18:30
	June 11 (Tue)	06:50 – 13:30

1. Every presenter should visit Preview Room and upload the final version of the presentation file at least 4 hours before each session begins to ensure the backgrounds, graphics, and linked images appear properly.
2. Presentation materials should be brought in a CD-ROM or USB Memory Stick.
3. If a presenter has any animation file(s), movie clip, DVD or sound in his or her presentation and requires other type(s) of equipment, please let the Secretariat know in advance.
4. If a presenter brings his or her own laptop, especially MAC, the presenter should bring all the necessary adaptors which are compatible with our beam projector (RGB port) and visit the Preview Room to check its compatibility with our technical system.

Invited Guest Lounge

The Invited Guest Lounge is available for all of the invited speakers and moderators during the congress. It will be located in Room #209 (2F)

Congress Information

Satellite Symposium

Jun 09 (Sun), 12:30~13:30

12:30~13:30 **Satellite Symposium 1-1 (Sponsored by Toshiba Medical Systems Korea)** GBR 101+102 (1F)

Moderator Eun-Young Kang, Korea / Sadayuki Murayama, Japan

ST 11-1 Impact of Dynamic Volume CT in Thoracic Imaging Hwan Seok Yong, Korea
ST 11-2 Dynamic Volume CT: A new horizon in functional airway imaging! Kenneth Lau, Australia

12:30~13:30 **Satellite Symposium 1-2 (Sponsored by Guerbet)** GBR 103 (1F)

Moderator Yo Won Choi, Korea / Shi-yuan Liu, China

ST 12-1 Dual energy CT: Thoracic application Joon Beom Seo, Korea
ST 12-2 Quantitative imaging in COPD and asthma Philippe Grenier, France

12:30~13:30 **Satellite Symposium 1-3 (Sponsored by Bayer Korea Ltd.)** GBR 104+105 (1F)

Moderator Choong-Ki Park, Korea / Joachim Wildberger, Netherlands

ST 13-1 Guidelines for contrast media applications: Lessons learned Michael Forsting, Germany
ST 13-2 Contrast media delivery: Current status Joachim Wildberger, Netherlands
ST 13-3 CT perfusion: The future of thoracic imaging? Jin Hur, Korea

Jun 10 (Mon), 12:40~13:30

12:40~13:30 **Satellite Symposium 2-1 (Sponsored by Siemens Healthcare)** GBR 101+102 (1F)

Moderator Jin Mo Goo, Korea

ST 21-1 MRI of the thorax: When, how and why not? Oliver Sedlaczek, Germany
ST 21-2 Recent advances in thoracic imaging with CT Martine Remy-Jardin, France

12:40~13:30 **Satellite Symposium 2-2 (Sponsored by Bracco)** GBR 103 (1F)

Moderator Lorenzo Bonomo, Italy / Ki-Nam Lee, Korea

ST 22-1 Tailoring CT exams: When and how Mathias Prokop, Netherlands
ST 22-2 Strategies for radiation dose reduction in CT Hans-Christoph Becker, Germany

12:40~13:30 **Satellite Symposium 2-3 (Sponsored by GE Healthcare Korea)** GBR 104+105 (1F)

Moderator Kyung Soo Lee, Korea

ST 23-1 Lung cancer early diagnosis with digital chest tomosynthesis Maurizio Grosso, Italy
ST 23-2 Utility of iterative reconstruction and dual energy technique for chest CT Noriyaki Tomiyama, Japan

Breakfast Session

The 3rd WCTI offers mini-breakfast to the participants at every morning session.



Coffee Breaks

Date	June 8		June 9		June 10		June 11
Time	10:30-10:50	14:50-15:10	10:10-10:30	15:10-15:30	10:40-11:00	15:10-15:30	10:10-10:30
Place	GBR Lobby (1F)	GBR Lobby (1F)	Auditorium Lobby (3F)	GBR Lobby (1F)	Auditorium Lobby (3F)	GBR Lobby (1F)	GBR Lobby (1F)

Mobile Web Service



3rd WCTI in your Hands!

The 3rd WCTI Mobile Web Service features full abstracts as well as the daily program schedule, floor plan of the venue, and important notices that allow you to access real-time information on the 3rd WCTI. (<http://m.wcti2013.org>)

*This webpage is optimized with smart phone device.

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WiFi Zone

The 3rd WCTI provides free WiFi (Wireless Local Area Network) service through the congress period. Service will be available at the Venue, Session Rooms & Lobby that helps you to access the 3rd WCTI Mobile Web easily (m.wcti2013.org).

Internet Lounge

• Place	Hall D2 (3F)	
• Operation	June 9 (Sun) - 10 (Mon)	08:00-18:30
• Date & Time	June 11 (Tue)	08:00-12:30

3rd WCTI Secretariat

• Place	204, 2F, Coex	
• Operation	June 8 (Sat)	08:00 - 18:00
• Date & Time	June 9 (Sun) - June 10 (Mon)	07:00 - 18:30
	June 11 (Tue)	07:00 - 14:00

Information Desk

• Place	Grand Ballroom Lobby, 1F, Coex	
• Operation	June 8 (Sat)	07:30 - 18:30
• Date & Time	June 9 (Sun) - June 10 (Mon)	06:50 - 18:30
	June 11 (Tue)	06:50 - 14:00

Congress Information

Tour & Hotel Desk

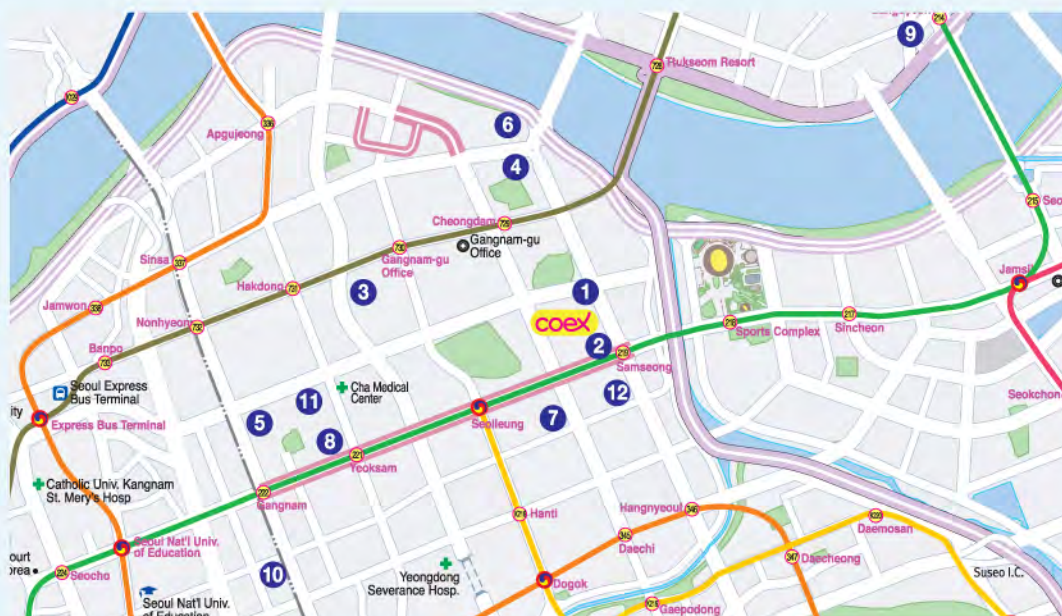
If you would like to arrange your tour or accommodation during the 3rd WCTI, please visit the Tour & Hotel Desk.

• Place	Grand Ballroom Lobby, 1F, Coex		
• Operation Date & Time	June 8 (Sat) – June 10 (Mon)	08:00 – 18:30	

Hotel Information

Type	Class	No.	Hotel	Distance from Venue
Venue	★★★★★	1	InterContinental Seoul COEX	Venue
		2	Grand Intercontinental Seoul Parnas	Venue
Sub	★★★★★	3	Imperial Palace	2.43km / 10min. by car
		4	Hotel Riviera	2.31km / 8min. by car
		5	Best Western Premier Gang Nam	2.57km / 12min. by car
		6	Ellui Hotel	2.03km / 7min. by car
	★★★★	7	Ibis Ambassador Seoul	1.23km / 3min. by car
		8	Mercure Seoul Ambassador Gangnam SODOWE	3.13km / 9 min. by car
		9	Dong Seoul Hotel	7.25km / 17min. by car
		10	COATEL Chereville	4.92km / 20min. by car
	Residence	11	Dormy Inn Seoul	2.55km / 12min. by car
		12	Casaville Samsung Seoul	1.29km / 6min. by car

Hotel Map



Social Program

Welcome to Korea's Four Seasons



Opening Ceremony

- **Date** June 9 (Sun), 2013
- **Time** 11:30 ~ 12:20
- **Venue** Auditorium (3F), COEX
- **Congress Lecturer** David Hansell



Welcome Reception

- **Date** June 9 (Sun), 2013
- **Time** 19:00 ~ 21:00
- **Venue** Grand Ballroom, COEX

* All registrants can join the Welcome Reception

Enjoy Great Performance



— Korea Traditional Performance (Pungmul Band)



— Fusion Gukak Band



Social Program



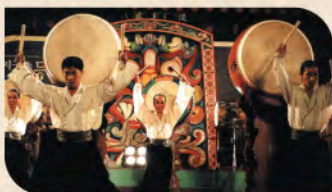
Gala Dinner

- **Date** June 10 (Mon), 2013
- **Time** 18:30 ~ 21:30
- **Venue** Harmony Ballroom (B1), InterContinental Seoul COEX Hotel
- **Fee** USD 30, KRW 30,000

Lifetime Achievement Awards

We will have the Lifetime Achievement Awards ceremony presented by the five member societies to acknowledge those who have made lifelong contributions to the development of Thoracic Imaging.

Enjoy Great Performance



– Sumie & Drum Performance



– Man's Quintet



– K-POP Dance
(GANGNAM Style)



Closing Ceremony

- **Date** June 11 (Tue), 2013
- **Time** 12:30 ~ 12:50
- **Venue** Grand Ballroom103, COEX
- **Best Scientific Presentation & Exhibition Awards**

3rd WORLD CONGRESS OF
THORACIC IMAGING

Worldwide
Communication through
Thoracic
Imaging

What's Special?

You can enjoy various events throughout the Congress period such as Caricature, Shoe Shine, Photo Zone, Photo Pick-up, and Stamp Tour.



Caricature Service

You can get your caricature drawn at the Caricature Event Booth. It will be a memorable souvenir for you.

- **How to Participate** Visit our Caricature Event Booth in the Exhibition Hall on the third floor. Caricatures will be drawn on a first come first served basis. It takes approximately 10 minutes per caricature. Free for all participants.



Shoes Shine Service

We will provide participants with Shoe Shine Service to keep your shoes clean. Skilled experts will make your shoes spick and span.

- **How to Participate** Visit our Shoe Shine Event Booth in the Exhibition Hall on the third floor. The Shoe Shine Service will be provided on a first come first served basis. It takes approximately 3 minutes per pair of shoes. Free for all participants.



Photo Zone

You can take special pictures of yourself in front of the amazing Magic Arts backdrops that we will prepare at the Photo Zone Event Booth.

- **How to Participate** Visit our Photo Zone Event Booth in the Exhibition Hall on the third floor. Take incredible photos of yourself with your own camera. We will post tips on which poses are the best to enjoy the Magic Arts backdrops to the fullest.

Location
Operating Hour

3rd WCTI Exhibition Hall (3F)
June 9, 10 (08:00 – 18:00)
June 11 (08:00 – 12:30)

Event



Stamp Tour

Participants who complete the Stamp Tour of the Exhibition Booths will be given a souvenir and qualify for the daily Lucky Draw to get a chance to win a great prize.

• How to Participate

- 1 Your Stamp Cards are in your Congress Kit bag (1 Stamp Card per day; please check the date on each Stamp Card).
- 2 Get your Stamp Card stamped every time you visit an exhibition booth.
- 3 When you fill up your Stamp Card, bring it to the 3rd WCTI Exhibition Secretariat Office with your badge.

We have prepared nice souvenirs, and you will also automatically qualify for the daily Lucky Draw. You can check the winners of the daily Lucky Draw through the 3rd WCTI Mobile Web and the Exhibition Secretariat bulletin board at 5pm every day.

*Please check the date on your Stamp Card.



Tumbler

Souvenir for Stamp
Tour participants
(June 9)

Luxury Umbrella

Souvenir for Stamp
Tour participants
(June 10)

Tablet PC

Lucky Draw prize
(5 persons each day)

Location

3rd WCTI Exhibition Hall (3F)

Operating Hour

June 9, 10 (08:00 – 18:30)



Photo Pick-up Desk

You can see all the photos taken during the Congress just a few hours afterwards by visiting our Photo Pick-up Desk. Furthermore, participants may pick up the photos where they appear.

• How to Participate

Visit our Photo Pick-up Desk located in the auditorium lobby on the third floor. You may pick up the photos where you appear for free.

Location

Auditorium Lobby (3F)

Operating Hour

June 9, 10 (08:00 – 18:00)
June 11 (08:00 – 12:30)



Charity Work

We will conduct fund raising campaigns in conjunction with the charity organization 'Save the Children' during the congress. The money raised will be used to help children in need. Share the warm heart of WCTI.

• How to Participate

- 1 **Tip Box:** After participating in the events such as Caricature and Shoe Shine Services, you may leave a tip in the Tip Box if you wish. All tips will be donated to charity. Tips are not compulsory.
- 2 **Coin Donation Campaign:** We will prepare a Coin Donation Box next to the Photo Pick-up Desk (lobby on the 3rd floor). If you have extra change in your pocket, please put them in the Coin Donation Box. Coin donation is not compulsory.

Location

Tip Box: Event Booth in Exhibition Hall (3F)

Operating Hour

Coin Donation Campaign: Auditorium Lobby (3F)
June 9, 10 (08:00 – 18:30)
June 11 (08:00 – 12:30)

Transportation

How to get to Coex by transportation



Coming from Samseong Station

Coming from the subway, use exit five or six connected to the Coex Mall. Follow the Coex sign and you will come out at Millennium Plaza with the Coex Mall entrance in the back of the plaza. Hyundai Department Store will be to your left and CoexArtium straight ahead.

Bus stop		Bus No.	Bus stop		Bus No.
Grand Intercontinental Hotel	 Blue	146, 341, 360, 730	CoexArtium (Trade Tower)	 Blue	143
	 Green	3411, 4434		 Green	2413, 4318, 4419
	 Yellow	3411, 4434		 Airport BUS	CALT Limousine
	 Airport BUS	6000		 District BUS	Gangnam 01
	 District BUS	Gangnam 07	Opposite side of Bongeun Temple	 Blue	342, 640
Coex East Gate	 Blue	146, 301, 342, 362, 401		 Green	3411, 3412
	 Green	2415, 3217, 3411, 3412, 3414, 3418, 41			
	 Airport BUS	6006			
	 District BUS	Gangnam 01			
Korea Electric Power Corporation (Samseong Station exit 7)	 Blue	143, 146, 301, 342, 362, 401, 640			
	 Green	2413, 2415, 3217, 3412, 3414, 3417, 3418, 4318, 4419			
	 Airport BUS	CALT Limousine, CALT Limousine2			
	 District BUS	Gangnam 01, Gangnam 06			

Transportation

How to get to Airport by transportation

Hotel > Incheon International Airport



Grand InterContinental Seoul Parnas				InterContinental Seoul COEX			
• Hours of Operations		5:10am ~ 17:30pm		• Hours of Operations		5:05am ~ 17:25pm	
• Bus Stop		Hotel entrance		• Bus Stop		Hotel entrance	
05:10	08:15	11:45	14:45	05:05	08:10	11:10	14:10
05:40	08:45	12:15	15:15	05:35	08:40	11:40	14:40
06:10	09:15	12:45	15:45	06:05	09:10	12:10	15:10
06:40	09:45	13:15	16:25	06:35	09:40	12:40	15:40
07:15	10:10	13:45	16:55	07:10	10:05	13:10	16:20
07:45	10:45	14:15	17:30	07:40	10:40	13:40	16:50
-	-	-	-	-	-	-	17:25

CALT > Airport

- Hours of Operations (Incheon International Airport)
5:20am-20:00pm
- Hours of Operations (Gimpo International Airport)
5:30am-20:00pm

* CALT (City Airport, Logis & Travel, KOREA)
2-3minutes walk from the hotel.
CALT Limousine Bus stops

Useful Information



Currency Exchange and Taxes

Currency - The unit of Korean currency is the Won (₩). Coin denominations are ₩10, ₩50, ₩100 and ₩500. Banknotes are ₩1,000, ₩5,000, ₩10,000 and ₩50,000. The exchange rate is approximately USD1 to KRW1,126 as of May 2013.

Tax - Value-Added Tax (VAT) is levied on most goods and services at a standard rate of 10% and is included in the retail price. In tourist hotels, this 10% tax applies to rooms, meals and other services and is included in the bill.



Climate

The climate of Korea is characterized by four distinct seasons: spring, summer, fall and winter. Summer (June ~ September) ranges approximately between 17-26 °C degrees in Seoul.



Time Difference

Korean time is 9 hours ahead of Greenwich Time (GMT+9).



Tipping

Tipping is not customary in Korea. Sometimes, expensive restaurants and luxury hotels may add a service charge of 10%. Thus, you do not necessarily have to prepare for extra charges since they will be included in the bill.



Emergency Numbers

Dial 119 for the fire department and medical assistance, and 112 for the police.



Electricity

In Korea, 220 volt outlets are most common. Some hotels provide 110 volt outlets for shavers. Please check the power supply before use.



Useful Websites

- Information about Seoul: <http://english.seoul.go.kr>
- Information about Korea: <http://www.tour2korea.com>
- Incheon Int'l Airport: <http://www.airport.or.kr/eng/airport>
- Korean Ministry of Foreign Affairs and Trade: <http://www.mofat.go.kr/english/main/index.jsp>

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Others

