



KOREAN SOCIETY OF  
ULTRASOUND IN MEDICINE



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# KSUM *Open* 2014

The 45<sup>th</sup> Annual Congress of  
Korean Society of Ultrasound in Medicine

May 23 (Fri) - 24 (Sat), 2014  
Coex, Seoul, Korea

**Website** <http://2014.ksum.or.kr>  
**Official Language** English

## Important Dates

<b>Abstract Submission Due Date</b>	March 31, 2014
<b>Abstract Acceptance Notice</b>	April 15, 2014
<b>Pre-registration Due Date</b>	April 30, 2014

<http://2014.ksum.or.kr>



## KSUM Open 2014 Program at a Glance

Time	Day 1 May 23 (Fri)				Day 2 May 24 (Sat)				Time		
	GBR 101	GBR 102	GBR 103	Room 203	GBR 101	GBR 102	GBR 103	Room 203			
07:00									07:00		
08:00	Meet the Professor Session (PED)	Meet the Professor Session (GU)	Meet the Professor Session (ABD)		Meet the Professor Session (BR)	Meet the Professor Session (MSK)	Meet the Professor Session (THY)		08:00		
08:30	Break				Break				08:30		
09:00	Categorical Course (PED)	Categorical Course (GU)	Categorical Course (ABD)	Categorical Course (PHY by KMUL)	Categorical Course (BR)	Categorical Course (MSK)	Categorical Course (THY)	전공의 연수교육 (Practice Workshop for Resident, Trainee)	09:00		
09:30									09:30		
10:00	Coffee Break				Coffee Break				10:00		
10:30									10:30		
11:00	Scientific Session (PED/GU)	Special Focus Session (CEUS)	Special Focus Session (ABD)	Special Focus Session (PHY-Photoacoustic)	Special Focus Session (BR)	Special Focus Session (MSK)	Scientific Session (H&N/THY/CV)		11:00		
11:30									11:30		
12:00	General Assembly & Luncheon			Annual Meeting of KMUL & Luncheon	Luncheon Session				12:00		
12:30									12:30		
13:00									13:00		
13:30	Special Focus Session (PED)	Special Focus Session (GU)	Scientific Session (ABD/YIA)	Invited Talk (PHY)	Scientific Session (BR/MSK)	Special Focus Session (CV)	Special Focus Session (H&N)		13:30		
14:00								14:00			
14:30								14:30			
15:00	Coffee Break				Coffee Break				15:00		
15:30								15:30			
16:00			Jisan Lecture		Hands on Session (Fusion Imaging)	Categorical Course (CV)	Scientific Session (THY)	16:00			
16:30								16:30			
17:00			Interactive Case Review	History of Ultrasound				17:00			
17:30								17:30			
18:00								18:00			
18:30	Congress Dinner							18:30			
19:00											19:00
19:30											19:30
20:00											20:00
20:30											20:30
21:00								21:00			

\* All sessions will be conducted in English except General Assembly and Practice Workshop.

- **ABD** - Abdomen
- **H&N** - Head & Neck
- **BR** - Breast
- **MSK** - Musculoskeletal
- **CEUS** - Contrast-enhanced Ultrasound
- **PED** - Pediatric
- **CV** - Cardiovascular
- **PHY** - Physics
- **GU** - Genitourinary
- **THY** - Thyroid

## Call for Abstract

### <Guideline for Abstract Submission>

1. All abstracts must be submitted through the Congress Website (<http://2014.ksum.or.kr>).
2. The deadline for abstract submission is **24:00, March 31 (Mon), 2014, in Korean Time.**
3. Abstracts should be typed in English and should not exceed 300 words in length.

### <Abstract Topics for Oral and Poster Presentations>

Abdomen	Breast	Cardiovascular	Genitourinary	Head & Neck
Musculoskeletal	Pediatric	Physics	Thyroid	

\* Abstracts only for Poster Presentation and Case Report (Poster) are available to submit under the Physics topic.  
(There will be no scientific session for the Physics topic.)

## KSUM Open 2014 Awards

### \* Young Investigator Award (YIA)

- Awarded to presenters (under the age of 40) of the abstract selected as most outstanding for oral presentation.
- Selected abstracts will be presented at the Scientific Session of YIA and be evaluated after the session.

Grand Prix (1 winner)	Gold (2 winners)
USD 500 / KRW 500,000	USD 300 / KRW 300,000

### \* Best Poster Award

- Awarded to primary authors of selected scientific exhibitions based on peer review of the scientific content of their presentations.

Grand Prix (1 winner)	Gold (2 winners)	Silver (3 winners)	Bronze (4 winners)
USD 500 / KRW 500,000	USD 300 / KRW 300,000	USD 200 / KRW 200,000	USD 100 / KRW 100,000

### \* International Grant Award

- Awarded to all non-Korean presenters of abstracts accepted for presentation at the scientific presentation or exhibition.
- The International Grant Award is given only once to the presenting author regardless of the number of accepted abstracts or co-authors. (Award: USD 500)

### \* Presenter Award

- Awarded to all Korean presenters of abstracts accepted for presentation at the scientific presentation or exhibition.
- The Presenter Award is given only once to the presenting author regardless of the number of accepted abstracts or co-authors.

Oral Presenter Award	Poster Exhibition Award
Full Refund of Registration Fee	50% Refund of Registration Fee

## My Unforgettable Ultrasound: KSUM Open 2014 Photo Contest

My Unforgettable Ultrasound is open to ultrasound photos of any subject matter in any medical field. Images that diagnose diseases or has artistic values are all welcome. Submissions can be made on KSUM Open 2014 website, and will close as of **April 30, 2014 at 24:00.**

Gold (1 winner)	Silver (2 winners)	Bronze (3 winners)	Honorary Mentions (10 winners)
USD 300 / KRW 300,000	USD 200 / KRW 200,000	USD 100 / KRW 100,000	Gift

## Daily Program of KSUM Open 2014

### Day 1 - 23 (Fri) May 2014

<b>07:40 - 08:20</b>	<b>Meet the Professor Session 1 (PED)</b>	<b>GBR 101</b>
07:40 - 08:20	US-guided Reduction of Intussusception: Pearls and Pitfalls	Tatsuo Kono (Japan)

<b>07:40 - 08:20</b>	<b>Meet the Professor Session 2 (GU)</b>	<b>GBR 102</b>
	GU Biopsy	
07:40 - 08:00	TRUS-guided Prostate Biopsy	See Hyung Kim (Korea)
08:00 - 08:20	US-guided Kidney Biopsy	Mi-hyun Kim (Korea)

<b>07:40 - 08:20</b>	<b>Meet the Professor Session 3 (ABD)</b>	<b>GBR 103</b>
	Rectum Evaluation for Tumorous & Non-tumorous Conditions	
07:40 - 08:00	Transrectal US: Pros and Cons	Min Ju Kim (Korea)
08:00 - 08:20	Rectal MRI: Pros and Cons	Min Jung Park (Korea)

<b>08:30 - 10:00</b>	<b>Categorical Course 1 (PED)</b>	<b>GBR 101</b>
	Problem Solving US	
08:30 - 09:00	Problem Solving US: Jaundice	Hee Jung Lee (Korea)
09:00 - 09:30	Problem Solving US: Abdominal Pain	Hong Eo (Korea)
09:30 - 10:00	Problem Solving US: Scrotal and Inguinal Swelling	Young Ah Cho (Korea)

<b>08:30 - 10:00</b>	<b>Categorical Course 2 (GU)</b>	<b>GBR 102</b>
	GU Practical Ultrasound	
08:30 - 08:50	US of the Penis	Sang Youn Kim (Korea)
08:50 - 09:10	US of the Scrotum	Bum Sang Cho (Korea)
09:10 - 09:30	US of the Inguina	Eun-Suk Cho (Korea)
09:30 - 09:50	US of the Prostate	Hyun Lee (Korea)

<b>08:30 - 10:00</b>	<b>Categorical Course 3 (ABD)</b>	<b>GBR 103</b>
	Beyond Routine Abdominal US	
08:30 - 09:00	Abdominal US at Emergency Department	Kyung Won Kim (Korea)
09:00 - 09:30	Abdominal US at Operation Room	Ijin Joo (Korea)
09:30 - 10:00	Abdominal US at ICU	Eun Sun Lee (Korea)

<b>08:30 - 10:00</b>	<b>Categorical Course 4 (PHY by KMUL)</b>	<b>Room 203</b>
	Imaging Artifacts and Pitfall Errors	
08:30 - 09:00	Artifacts and Pitfall Errors in Ultrasound Color Doppler Imaging	Min Joo Choi (Korea)
09:00 - 09:30	Artifacts and Pitfall Errors in Ultrasound Spectral Doppler Imaging	Yangmo Yoo (Korea)
09:30 - 10:00	Artifacts and Pitfall Errors in Ultrasound B-mode Imaging	Jungwoo Lee (Korea)

<b>10:30 - 12:00</b>	<b>Special Focus Session 1 (CEUS)</b>	<b>GBR 102</b>
10:30 - 10:55	Molecular US: Basic Principles	Alexander Klibanov (USA)
10:55 - 11:20	Molecular US: US-guided Targeted Drug or Gene Therapy	Alexander Klibanov (USA)
11:20 - 11:40	Current Status of CEUS in Korea: Liver Application	Minwoo Lee (Korea)
11:40 - 12:00	Current Status of CEUS in Korea: Kidney Application	Jeong Yeon Cho (Korea)

<b>10:30 - 12:00</b>		<b>Special Focus Session 2 (ABD)</b>	<b>GBR 103</b>
US Elastography			
10:30 - 11:00	Fundamental Physics and Different Modalities of US Elastography	Hyun Sik Woo (Korea)	
11:00 - 11:30	Clinical Application of ARFI Elastography: Quantification of Hepatic Fibrosis and Characterization of Hepatic SOLs	Ji Eun Kim (Korea)	
11:30 - 12:00	Clinical Application of US Elastography: Extrahepatic Application Including Inflammatory Bowel Diseases	Jonathan Rubin (USA)	

<b>10:30 - 12:00</b>		<b>Special Focus Session 3 (PHY - Photoacoustic)</b>	<b>Room 203</b>
Clinical Applications of Photoacoustics			
10:30 - 11:00	Ultrasound and Photoacoustic Dual Modality Molecular Imaging and Enhanced Targeted Photothermal Therapy	Pai Chi Li (Taiwan)	
11:00 - 11:30	Listening to Shiny Body: In Vivo Photoacoustic Tomography	Chul Hong Kim (Korea)	
11:30 - 12:00	A Trimodel in Vivo Imaging System: Fluorescence, Photoacoustic, and Ultrasound Imaging	Jin Ho Chang (Korea)	

<b>13:20 - 14:50</b>		<b>Special Focus Session 4 (PED)</b>	<b>GBR 101</b>
Prenatal and Postnatal US			
13:20 - 13:50	US of Umbilical and Periumbilical Lesions in Newborn	Tatsuo Kono (Japan)	
13:50 - 14:20	US of Hydronephrosis in Newborn	Young Hun Choi (Korea)	
14:20 - 14:50	Correlation of Prenatal and Postnatal US in Newborn: Abdomen and Others	Jung-Eun Cheon (Korea)	

<b>13:20 - 14:50</b>		<b>Special Focus Session 5 (GU)</b>	<b>GBR 102</b>
GU Emergency Ultrasound			
13:20 - 13:40	Acute Scrotal Pain	Harvey Nisenbaum (USA)	
13:40 - 14:00	Acute Pelvic Pain: Obstetric	Sung Bin Park (Korea)	
14:00 - 14:20	Acute Pelvic Pain: Gynecologic	You Me Kim (Korea)	
14:20 - 14:40	Acute Pelvic Pain: Non OBGY	Young Joon Lee (Korea)	

<b>13:00 - 15:00</b>		<b>Invited Talk (PHY)</b>	<b>Room 203</b>
Advanced Ultrasound Imaging Techniques			
13:00 - 13:20	Synthetic Aperture Imaging	Tai-kyong Song (Korea)	
13:20 - 13:40	Color Encoded Speckle Imaging of Blood Flow Dynamics	Alfred Yu (Hong Kong)	
13:40 - 14:00	Fast Flow Vortex Imaging	Yangmo Yoo (Korea)	
14:00 - 14:20	Carotid Strain Imaging for Risk Assessment of Atherosclerotic Plaques	Jianwen Luo (China)	
14:20 - 14:40	High Frequency Ultrasound Imaging and Its Application in Clinical Medicine	Yoshifumi Saijo (Japan)	
14:40 - 15:00	High Frequency Ultrasound Microbeam toward Cancer Research	Jae Youn Hwang (Korea)	

<b>15:20 - 16:30</b>		<b>Jisan Lecture</b>	<b>GBR 103</b>
15:20 - 15:50	US-Important Element in Medical School Education	Harvey Nisenbaum (USA)	
16:00 - 16:30	Musculoskeletal US : Past and Present	Kil-Ho Cho (Korea)	

<b>16:30 - 17:50</b>		<b>Interactive Case Review</b>	<b>GBR 103</b>
ABD - Hyun Cheol Kim (Korea)		BR - Bo Kyoung Seo (Session Moderator, Korea)	
GU - Sung Il Jung (Korea)		MSK - Sun Joo Lee (Korea)	
PED - Young Ah Cho (Korea)		THY - Kwanghwi Lee (Korea)	

<b>16:30 - 18:00</b>		<b>History of Ultrasound</b>	<b>Room 203</b>
History of Ultrasound in the World and in Korea			
16:30 - 16:45	History of WFUMB	Seung Hyup Kim (Korea)	
16:45 - 17:00	History of AFSUMB	Byung Ihn Choi (Korea)	
17:00 - 17:15	History of AIUM	Harvey Nisenbaum (USA)	
17:15 - 17:30	History of KSUM	Won Jae Lee (Korea)	
17:30 - 17:45	History of Ultrasound Industry in Korea	Tai-kyong Song (Korea)	

## Daily Program of KSUM Open 2014

### Day 2 - 24 (Sat) May 2014

07:40 - 08:20		Meet the Professor Session 4 (BR)	GBR 101
		Update in Breast US	
07:40 - 08:00	How Helpful is Elastography for Routine Practice?	Ji Hyun Youk (Korea)	
08:00 - 08:20	Non-invasive Papillary Lesions of the Breast Detected on US Comparing with MRI Findings	Wei Min Chai (China)	

07:40 - 08:20		Meet the Professor Session 5 (MSK)	GBR 102
		Case Presentation	
07:40 - 08:00	Postoperative US Findings of Soft Tissues: Case Presentation	Jung-Ah Choi (Korea)	
08:00 - 08:20	Peripheral Nerve Imaging: Case Presentation	Jae Hyuck Yi (Korea)	

07:40 - 08:20		Meet the Professor Session 6 (THY)	GBR 103
		Navigation Assisted RFA	
07:40 - 08:20	Navigation Assisted RFA	Giovanni Turtulici (Italy)	

08:30 - 10:00		Categorical Course 5 (BR)	GBR 101
		Screening Breast US	
08:30 - 09:00	Probably Benign Lesion Detected on Screening Breast US	Eun Sook Ko (Korea)	
09:00 - 09:30	Breast Cancer Detected on Screening Breast US	Nariya Cho (Korea)	
09:30 - 10:00	Do We Use US BI-RADS Correctly?	Bong Joo Kang (Korea)	

08:30 - 10:00		Categorical Course 6 (MSK)	GBR 102
		US of Upper Extremity	
08:30 - 09:00	Nerve Imaging of Upper Extremity	Soo-Jung Choi (Korea)	
09:00 - 09:30	Chronic MSK Pain Control for Upper Extremity	Hong-Jen Chiou (Taiwan)	
09:30 - 10:00	Postoperative US of Soft Tissue	Kyung Ah Chun (Korea)	

08:30 - 10:00		Categorical Course 7 (THY)	GBR 103
		Basic and Update of Thyroid Radiology	
08:30 - 08:50	Thyroid Nodules, US Evaluation and Biopsy	Eun Ju Ha (Korea)	
08:50 - 09:10	Lymph Node Evaluation, US, CT and Biopsy	Hyun Kyung Lim (Korea)	
09:10 - 09:30	Parathyroid Lesions, Role of Radiologist	Jin Yong Sung (Korea)	
09:30 - 09:50	Pediatric Thyroid Disease (Nodule and Congenital Lesions)	So Lyung Jung (Korea)	

10:30 - 12:00		Special Focus Session 6 (BR)	GBR 101
		Preoperative Breast US	
10:30 - 11:00	Role of Ultrasound in the Staging of Breast Cancer	Wei Yang (USA)	
11:00 - 11:30	Axillary Lymph Node Evaluation on Breast US	Min Jung Kim (Korea)	
11:30 - 12:00	Role of Breast US in the Neoadjuvant Systemic Treatment Setting	Sun Mi Kim (Korea)	

10:30 - 12:00		Special Focus Session 7 (MSK)	GBR 102
		US of Lower Extremity	
10:30 - 11:00	Nerve Imaging of Lower Extremity	Sung Moon Lee (Korea)	
11:00 - 11:30	Chronic MSK Pain Control for Lower Extremity	Hong-Jen Chiou (Taiwan)	
11:30 - 12:00	Oops Lesions	Hye Won Chung (Korea)	

13:20 - 14:50	Special Focus Session 8 (CV)	GBR 102
Systemic Atherosclerosis: Role of Ultrasound		
13:20 - 13:45	Carotid Plaque and Thickness: Clinical Significance and Application	Ki Seok Choo (Korea)
13:45 - 14:10	Carotid Plaque Neovascularization at Contrast-enhanced US to Predict Coronary Events	You-Bin Deng (China)
14:10 - 14:35	The Value of Carotid US to Predict Cardiovascular Events: Comparison with CACS and Cardiac MDCT	Eun Ju Chun (Korea)

13:20 - 14:50	Special Focus Session 9 (H&N)	GBR 103
Ultrasound Elastography in the Head and Neck		
13:20 - 13:40	Basic Physics and Practical Aspects	Ji Soo Choi (Korea)
13:40 - 14:10	Ultrasound Elastography: An Assessment of Cervical Lymph Nodes	Young Jun Choi (Korea)
14:10 - 14:40	Ultrasound Elastography: An Assessment of Thyroid Nodule	Hee Jung Moon (Korea)

15:20 - 16:50	Hands on Session (Fusion Imaging)	GBR 101
Minwoo Lee (Korea), Jin-Woong Kim (Korea) / Moderator: Jae Young Lee (Korea)		

15:20 - 16:50	Categorical Course 8 (CV)	GBR 102
Doppler Ultrasound Lower Leg Arterial System		
15:20 - 15:50	Lower Leg Artery: Assessment with Doppler US	Sang Il Choi (Korea)
15:50 - 16:20	US Assessment of Medial Arterial Calcification	Eric Kin Hung Liu (Hong Kong)
16:20 - 16:50	US Diagnosis of the Lower Leg Arterial Insufficiency	Se Hwan Kwon (Korea)

\* The program is subject to change.

## 전공의 연수교육(Practice Workshop for Resident, Trainee)

Day 2 08:30~16:30 | Room 203

- \* This session will be in Korean
- \* Only KSUM Open 2014 registrants can join Practice Workshop, and person who wants to join this workshop should pay additional KRW 20,000 to registration fee.
- \* One hundred person will be limited on a first-come, first-served basis.

주제: 상복부, 유방 및 경부 초음파 검사의 실제 - Voting system 을 이용한 case-based interactive learning

강의 시간	주 제	연 자
08:30 - 09:00	교육소개 및 초음파 장비의 적절한 사용	가톨릭의대 정승은
09:00 - 09:40	간 질환의 초음파검사	고려의대 염석규
09:40 - 10:20	담낭 질환의 초음파검사	울산의대 김진희
10:20 - 10:40	휴 식	
10:40 - 11:20	담도와 췌장 질환의 초음파검사	중앙의대 박현정
11:20 - 12:00	신장 질환의 초음파검사	울산의대 최혁재
12:00 - 13:00	점 심 시 간	
13:00 - 13:40	유방 질환의 초음파검사 Part I	고려의대 우옥희
13:40 - 14:20	유방 질환의 초음파검사 Part II	서울의대 송성은
14:20 - 14:40	휴 식	
14:40 - 15:20	갑상선 질환의 초음파검사	아주의대 하은주
15:20 - 16:00	경부 질환의 초음파검사	인하의대 이하영
16:00 - 16:30	퀴즈 및 시상	성균관대 정우경

\* The program is subject to change.

## Registration

Category		Pre-registration (Until 30 April 2014)	On-site Registration	Congress Dinner
International Participants		Waived		USD 10
Koreans	Regular Member	KRW 70,000	KRW 100,000	KRW 10,000
	Regular Member (with Unpaid Annual Membership Fee)	KRW 90,000	KRW 120,000	
	Associate Member	KRW 40,000	KRW 70,000	
	Non-member	KRW 130,000	KRW 150,000	
	Practice Workshop May 24 (Sat), Room 203 * For trainee and resident * Conducted in Korean	KRW 20,000 * Only KSUM Open 2014 registrants can join the Practice Workshop. * First come, first served up to 100 registrants		

\* Regular Members with unpaid annual membership fees are required to pay an extra KRW 20,000 on top of the KRW 70,000 regular member's fee.

\* For refund policy, please visit our official website at <http://2014.ksum.or.kr>.

\* CME credit by Korean Medical Association: 12 points

## Accommodation

For reservation, please visit our official website at <http://2014.ksum.or.kr>.

Hotel Name	Room Type	Room Rate	Distance from Venue	Remarks
COEX Intercontinental	Superior Single	₩ 290,000	Main venue	Tax & service charge is excluded
	Superior Double/Twin	₩ 320,000		
Hotel Riviera	Superior Double/Twin	₩ 160,000	1.6 km (Cheongdam Station)	Tax & service charge is excluded
Casaville Samsung	Double/Twin	₩ 100,000	0.3 km (Samsung Station)	VAT is excluded (No service charge)

\* Hotel Riviera: 3 free shuttle services between the hotel and COEX in the morning

## Sponsors

### Gold



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### Silver



### Bronze



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## KSUM Open 2014 Secretariat

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