



KOREAN SOCIETY OF
ULTRASOUND IN MEDICINE



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ULTRASOUND IN MEDICINE



AFSUMB 2024

The 16th Congress of the Asian Federation of
Societies for Ultrasound in Medicine and Biology
in conjunction with KSUM 2024

Shaping the Future with Ultrasound

May 9 (Thu) – 11 (Sat), 2024 | Coex, Seoul, Korea

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Program Book

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Reference 1. Hatanaka et al. Differential Diagnosis of Hepatic Tumors: Value of Contrast-Enhanced Harmonic Sonography Using the Newly Developed Contrast Agent, Sonazoid. *Intervirology* 2008;51(suppl 1):61-69 2. Moriyasu et al. Itoh K. Efficacy of Perflubutane Microbubble-Enhanced Ultrasound in the Characterization and Detection of Focal Liver Lesions: Phase 3 Multicenter Clinical Trial. *American Journal of Roentgenology*. 2009;193(1):86-95. 3. Per Christian Sontum, Physicochemical Characteristics of Sonazoid™, A New Contrast Agent for Ultrasound Imaging. *Ultrasound in Medicine & Biology*, Volume 34, Issue 5, May 2008, Pages 824-833.

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Welcome Message

On behalf of Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB), I would like to extend my sincere congratulations on hosting the 16th AFSUMB Congress in Seoul, Korea.

I would like to thank President of the Local Organizing Committee, Prof. Jae-Joon Chung, M.D. and Chair of the Local Organizing Committee, Prof. Jeong Yeon Cho, M.D., for their willingness to host the Congress at this difficult time in the international affairs.

AFSUMB is the largest Affiliated Federation in World Federation for Ultrasound in Medicine and Biology (WFUMB) in terms of membership with 17 countries and regions in Asia as Affiliated Societies. AFSUMB's mission is the development and dissemination of medical ultrasound in Asia, and each year it holds a workshop in a country or region that has been proposed, such as Mongolia in 2023 and Bangladesh in 2024. The theme of the congress, "Shaping the Future with Ultrasound," is very timely in this context, and I hope that the congress will provide a good look into the future of AFSUMB. It is expected to be a congress that will help us to foresee the future of AFSUMB.

I hope that many of the congress participants will learn a great deal from the various sessions that will be held during the congress, and that they will contribute their knowledge to healthcare in their countries when they return home. And we hope that we can give them as many opportunities to do so as possible.



A handwritten signature in black ink, reading "Iwaki Akiyama".

Iwaki Akiyama, Ph. D.

President of AFSUMB

Co-president of AFSUMB 2024

Dear colleagues,

Welcome to AFSUMB 2024 in Seoul, Korea!

On behalf of the Organizing Committee, it is our great honor and pleasure to welcome you to the 16th Congress of the Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB 2024) held in conjunction with the 55th Annual Congress of Korean Society of Ultrasound in Medicine (KSUM 2024) from May 9 (Thu) to 11 (Sat), 2024 in Seoul, Korea.

Under the theme "Shaping the Future with Ultrasound," the AFSUMB 2024 Organizing Committee has designed diverse academic programs to facilitate the exchange of the latest developments and research findings and allow for in-depth discussions. To achieve this purpose, AFSUMB 2024 features a wide range of sessions including the Jisan Lecture; Categorical Course, Special Focus, Hot Issues, Hands-on, Interactive Case Review, KSUM Young Investigator Award, and Scientific Sessions; Joint Symposia with related societies; Satellite Symposium with KISTIA; Ultrasound, the Best (Informal Scientific Presentation); and E-Poster Exhibitions. We are delighted that a large number of world-renowned speakers and delegates have accepted to join us to share their insights and achievements.

We have also prepared various social programs including the Welcome Reception and Congress Dinner for all our participants to enjoy during the Congress.

We encourage you to take this opportunity to experience the beauty of the spring season and immerse yourself in Korean culture during your stay in Seoul.

We extend our best wishes for a fruitful and enriching experience at AFSUMB 2024.

Sincerely,



A handwritten signature in black ink that reads "Jae-Joon Chung". The script is fluid and cursive.

Jae-Joon Chung, M.D.

Congress President, Local Organizing Committee
AFSUMB 2024



A handwritten signature in black ink that reads "Jeong Yeon Cho". The script is fluid and cursive.

Jeong Yeon Cho, M.D.

Chair, Local Organizing Committee
AFSUMB 2024

On behalf of the Korean Society of Thyroid Radiology (KSThR), it is a great honor to welcome you all to the Korean International Symposium of Thyroid Imaging and Ablation (KISTIA) to be held in Seoul, Korea from May 9 (Thu) to 11 (Sat), 2024. This year, the meeting will be held in conjunction with the 16th congress of the Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB) and the annual meeting of the Korean Society of Ultrasound in Medicine (KSUM).

The organizing society, KSThR, has made every effort to put together an attractive scientific program, which includes 6 symposia, a luncheon symposium, scientific sessions, meet the professor session, and hands on session.

For the symposia on May 9-10, distinguished international leaders in thyroid field will get together to discuss the recent issues in US imaging and interventional management of thyroid nodules and parathyroid lesions.

Lectures and live demonstration of US anatomy of thyroid and neck and hands on session to learn thyroid ablation will give you special experiences for practical US imaging and US-guided intervention.

The KISTIA is designed for radiologists, endocrinologists, surgeons, pathologists, and physicians who are interested in the clinical field of nodular thyroid disease.

I hope you will join us for the KISTIA, AFSUMB and KSUM during the city's most beautiful season of the year, and seize the opportunity to share more knowledge and experience in nodule thyroid disease.

We look forward to meeting you in Seoul, Korea!

With warmest regards,



A handwritten signature in black ink that reads "Jin Yong Sung".

Jin Yong Sung, M.D.

President, Korean Society of Thyroid Radiology

AFSUMB 2024 Local Organizing Committee

AFSUMB & KSUM 2024

– Local Organizing Committee

Position	Name	Affiliation
Congress President	Jae-Joon Chung	Gangnam Severance Hospital
Vice-president	Dal Mo Yang	Kyung Hee University Hospital at Gangdong
Chair, Organizing Committee	Jeong Yeon Cho	Seoul National University Hospital
Secretary General	Sung Il Jung	Konkuk University Medical Center
Treasurer	Seong Jin Park	Kyung Hee University Medical Center
Chair, Scientific Program Committee	Woo Kyoung Jeong	Samsung Medical Center
Chair, Publication Committee	Jung-Eun Cheon	Seoul National University Hospital
Chair, Sponsorship & Exhibition Committee	Jae Young Lee	Seoul National University Hospital
Chair, Scientific Exhibition Committee	Hong Eo	Samsung Medical Center
Chair, Registration Committee	Ji-hoon Kim	Seoul National University Hospital
Chair, Information & Communication Committee	Ho-Taek Song	Severance Hospital
Chair, International Liaison Committee	Ah Young Jung	Asan Medical Center
Chair, Public Relation Committee	Jung Min Chang	Seoul National University Hospital
Chair, Education Program Committee	Bong Joo Kang	The Catholic University of Korea, Seoul St. Mary's Hospital
Chair, Social Program Committee	Min Hoan Moon	SMG-SNU Boramae Medical Center
Chair, Special Program Committee	Chang Ho Kang	Korea University Anam Hospital

– Advisory Committee

Position	Name	Affiliation
Advisory Committee	Jung Hwan Back	Asan Medical Center
	Jae Young Byun	Korea Tele-Radiology Reading Center
	Bum Sang Cho	Chungbuk National University Hospital
	Kyoung-Sik Cho	Sungae Medical Foundation Kwangmyung Medical Foundation
	Kil-Ho Cho	Yeungnam University Medical Center
	Byung Ihn Choi	Chung-Ang University Hospital
	Kyoo Byung Chung	Seoul Medical Center
	Chang Kok Hahm	Chung-Ang University Hospital
	Boo-Kyung Han	Samsung Medical Center
	Joon Koo Han	SMG-SNU Boramae Medical Center
	Jae Hoon Lim	Myongji Hospital
	Hae Jeong Jeon	Korea University Anam Hospital Health Promotion Center
	Yong Yeon Jeong	Chonnam National University Hwasun Hospital
	So Lyung Jung	The Catholic University of Korea, Yeouido St. Mary's Hospital
	Seung Eun Jung	The Catholic University of Korea, Eunpyeong St. Mary's Hospital
	Heoung Keun Kang	Chonnam National University Hwasun Hospital
	Kun-Sang Kim	Korea Institute for Healthcare Accreditation
	Ki-whang Kim	Seoul Medical Center
	Seung Hyup Kim	K-Radiology Clinic
	Woo Sun Kim	Hallym University Dongtan Sacred Heart Hospital
	In-One Kim	CHA University Bundang Medical Center
	Pyo Nyun Kim	Korea Tele-Radiology Reading Center
	Hyungmin Kim	Korea Institute of Science and Technology
	Young Tae Ko	Korean Medical Image Hospital for Public Health
	Young Ho Lee	Mirae & Heemang Obstetrics and Gynecology Clinic
	Won Jae Lee	Sungkyunkwan University School of Medicine
	Jong Tae Lee	CHA University Bundang Medical Center
	Hyo-Keun Lim	Samsung Medical Center
	Cheol Min Park	Seoul Medical Center
	Hyunchul Rhim	Samsung Medical Center
	Kyung Nam Ryu	Kyung Hee University Medical Center
	Jin Yong Sung	The Catholic University of Korea, Daerim St. Mary's Hospital
	Hyung Sik Yoo	Konyang University Hospital
	Seong Kuk Yoon	Dong-A University Hospital

KISTIA 2024 Organizing Committee

Position	Name	Affiliation
Chair	Jin Yong Sung	Daerim St. Mary's Hospital
Vice-chair	Ji-hoon Kim	Seoul National University Hospital
Secretary General	Hyun Kyung Lim	Soonchunhyang University Seoul Hospital
Chair, Scientific Program Committee	Ji Ye Lee	Seoul National University Hospital
Scientific Program Committee	So Lyung Jung	The Catholic University of Korea, Yeouido St. Mary's Hospital
	Jung Hee Shin	Samsung Medical Center
	Dong Gyu Na	Gangneung Asan Medical Center
	Jeong Hyeon Yoon	Severance Hospital
	Ji-hoon Kim	Seoul National University Hospital
	Eun Ju Ha	Ajou University Hospital
	Ji Ye Lee	Seoul National University Hospital
	Hyun Kyung Lim	Soonchunhyang University Seoul Hospital
Advisor	Joon Hyung Lee	Inje University Haeundae Paik Hospital
	Ho Kyu Lee	Jeju National University Hospital
Director of General Planning	Jung Hee Shin	Samsung Medical Center
Treasurer	Min Ji Hong	CHA University Gangnam Medical Center
Director of International Liason	Jeong Hyeon Yoon	Severance Hospital
Director of Public Relations	Soo Jin Kim	Human Medical Imaging & Intervention Center

Host

– Introduction of AFSUMB

The Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB) was launched in 1987 with representatives from five countries including Japan, China, Korea, and Malaysia. The AFSUMB is currently the largest federation in WFUMB that combines six area federations throughout the world and consists of approximately 50,000 members from 50 countries, including approximately 23,000 members from 17 countries in Asia. In addition to the AFSUMB Congress, the AFSUMB has been providing its members with diverse educational opportunities such as the WFUMB COE in Asia to share the latest information in the field of ultrasound in medicine and biology.



– Officers and Councilors of the AFSUMB (2022–2024)

President	Iwaki Akiyama (JSUM)
Immediate Past President	Yung-Liang Wan (CTSUM)
President-Elect	Jeong Yeon Cho (KSUM)
Vice-President 1	Sudheer Gokhale (IFUMB)
Vice-President 2	Jae Young Lee (KSUM)
Secretary	Ching-Chang Hsieh (CTSUM)
Treasurer	Masayuki Kitano (JSUM)
Councilors	Jung-Eun Cheon (KSUM)
	Akihiko Kikuchi (JSUM)
	Ashwin Lawande (IFUMB)
	San-Kan Lee (CTSUM)
	Kowk Yin Leung (HKSUM)
	Ping Liang (CMA/CSUM)
Co-opted Councilors	Kanu Bala (BSU)
	TP Baskaran (MSUM)
	Erdenebileg Bavuujaav (MSDU)
	Musarrat Hasan (USP)
	Quan PB. Nguyen (VSUM)
	H. Sidharta (ISUM)
Representatives	Tuangsit Wataganara (MUST)
	Mukhtar Alam Ansari (USN)
	Saqar Altai (OSUM)
	Gervais Wansaicheong Khin-Lin (MUSS)
Journal Editor	Patria Cecilia Martinez (PSUCMI)
	Yi-Hong Chou (CTSUM)
Website/Newsletter Editor	Hideyuki Hasegawa (JSUM)

List of Invited Guests

Invited Speakers

*In alphabetical order by last name

Iwaki Akiyama, Japan	Sookmin Hwang, Korea	Hyo Jeong Lee, Korea
Jae Seok Bae, Korea	Hyeon Ji Jang, Korea	Jeong Hyun Lee, Korea
Jung Hwan Baek, Korea	Weon Jang, Korea	Jeongmin Lee, Korea
Song-Ee Baek, Korea	Sun Kyung Jeon, Korea	Jeong Min Lee, Korea
Kanu Bala, Bangladesh	Woo Kyoung Jeong, Korea	Ji Ye Lee, Korea
TP Baskaran, Malaysia	So Lyung Jung, Korea	Jisun Lee, Korea
Eun Young Chae, Korea	Hyo-Jin Kang, Korea	Mi-Jung Lee, Korea
Jung Min Chang, Korea	Tae Wook Kang, Korea	Min Kyoung Lee, Korea
Won Seok Chang, Korea	Wonseok Kang, Korea	Min Woo Lee, Korea
Hong Chen, USA	Yun Koo Kang, Korea	Myoungseok Lee, Korea
Jung-Eun Cheon, Korea	Yusuhn Kang, Korea	Sang Hyub Lee, Korea
Hong-Jen Chiou, Chinese Taipei	Jinbum Kang, Korea	Si Eun Lee, Korea
Young Seo Cho, Korea	Hee Jeong Kim, Korea	Sunyoung Lee, Korea
Gayoung Choi, Korea	Hyo Jin Kim, Korea	Won Jae Lee, Korea
Hongyoon Choi, Korea	Jaeho Kim, Korea	Yong Seung Lee, Korea
Seo-Youn Choi, Korea	Ji-Hoon Kim, Korea	Yoon Jin Lee, Korea
Soo-Jung Choi, Korea	Keum Won Kim, Korea	Yoonseong Lee, Korea
Young Jun Choi, Korea	Mimi Kim, Korea	Jeonghyun Lee, Korea
Ki Suk Choo, Korea	Min Je Kim, Korea	Sally Lee, Korea
Yi-Hong Chou, Chinese Taipei	Pyeong Hwa Kim, Korea	Jessica Leung, USA
Jin Chung, Korea	So Yeon Kim, Korea	Kowk Yin Leung, Hong Kong, China
Sae Rom Chung, Korea	Sun Mi Kim, Korea	Pai-Chi Li, Chinese Taipei
Dirk-André Clevert, Germany	Tae Kyoung Kim, Canada	Adrian K. Lim, UK
Dongbin Ahn, Korea	Taek Min Kim, Korea	Hyun Kyung Lim, Korea
Hong Eo, Korea	Won Hwa Kim, Korea	Wei-Che Lin, Chinese Taipei
Na Lae Eun, Korea	You Me Kim, Korea	Qiang Lu, China
Urnuitsaikhan Ganbold, Mongolia	Young H. Kim, USA	Hitoshi Maruyama, Japan
Sangeet Ghai, Canada	Seung Up Kim, Korea	Giovanni Mauri, Italy
Sudheer Gokhale, India	Yong Wonn Kwon, Korea	Kyunghoon Min, Korea
Seungchul Han, Korea	Jill E. Langer, USA	Yasunori Minami, Japan
Seong Woo Han, Korea	Thi My Le, Vietnam	Dong Gyu Na, Korea
Ching-Chang Hsieh, Chinese Taipei	Chul-Min Lee, Korea	Cuong Tuan Nguyen, Vietnam
Jae-Yeon Hwang, Korea	Dongho Lee, Korea	Ki Joo Pahk, Korea
Jin Ho Hwang, Korea	Eun Sun Lee, Korea	Harriet Paltiel, USA
Jisun Hwang, Korea	Geun Young Lee, Korea	Hyo Jung Park, Korea

Ji Eun Park, Korea	Catherine F. Sinclair, Australia	Chueh-Hung Wu, Chinese Taipei
Mi-Yeon Park, Korea	Anders Sjöström, Sweden	Xiaoyan Xie, China
Chengzhong Peng, China	Ji Soo Song, Korea	Hui Xiong Xu, China
Weibao Qiu, China	Sung Eun Song, Korea	Dong Yi, China
Monique Reijnierse, the Netherlands	Katsutoshi Sugimoto, Japan	Jeongin Yoo, Korea
Hyunchul Rhim, Korea	Jin Yong Sung, Korea	Haesung Yoon, Korea
Miribi Rho, Korea	Uematsu Takayoshi, Japan	Hee Yoon, Korea
Jai Min Ryu, Korea	Sudhir Vinayak, Kenya	Jongjin Yoon, Korea
June Young Seo, Korea	Hsin-Kai Wang, Chinese Taipei	Ming An Yu, China
Buyanjargal Shagdarsuren, Mongolia	Tuangsit Watanagara, Thailand	Cem Yucel, Türkiye
Jae Ho Shin, Korea	Susan Campbell Westerway, Australia	Timothy Ziemlewicz, USA
Jaeseung Shin, Korea	Vincent Wai-Sun Wong, Hong Kong, China	

Chairpersons

*In alphabetical order by last name

Jhii-hyun Ahn, Korea	Chang Ho Jeon, Korea	Hak Jong Lee, Korea
Jung Hwan Baek, Korea	Woo Kyoung Jeong, Korea	Hee Jung Lee, Korea
Kanu Bala, Bangladesh	Ijin Joo, Korea	Jae Young Lee, Korea
Erdenebileg Bavuujav, Mongolia	Ah Young Jung, Korea	Jeong Hyun Lee, Korea
Joo Hee Cha, Korea	Dae Chul Jung, Korea	Jeong Min Lee, Korea
Jin Woo Chang, Korea	So Lyung Jung, Korea	Ji Ye Lee, Korea
Yun-Woo Chang, Korea	Sung Il Jung, Korea	Jongmin Lee, Korea
Jung-Eun Cheon, Korea	Bong Joo Kang, Korea	Joon Hyung Lee, Korea
Bum Sang Cho, Korea	Hye Jung Kim, Korea	Myoungseok Lee, Korea
Nariya Cho, Korea	Hye Won Kim, Korea	Seunghun Lee, Korea
Young Ah Cho, Korea	Hyun Cheol Kim, Korea	Sheen-Woo Lee, Korea
Jinyoung Choi, Korea	Hyungmin Kim, Korea	Sun Joo Lee, Korea
Sang-Hee Choi, Korea	Ji-Hoon Kim, Korea	Whal Lee, Korea
Yoon Jung Choi, Korea	Jin-Woong Kim, Korea	Young Hen Lee, Korea
Yun Sun Choi, Korea	Jung Hoon Kim, Korea	Young Hwan Lee, Korea
Moon Hyung Choi, Korea	Min Jung Kim, Korea	Su Hyun Lee, Korea
Jae Woong Choi, Korea	See Hyung Kim, Korea	Gye Yeon Lim, Korea
Byung Ihn Choi, Korea	So Yeon Kim, Korea	Hyun Kyung Lim, Korea
Joon-Il Choi, Korea	Sung Hun Kim, Korea	Sanghyeok Lim, Korea
Yi-Hong Chou, Chinese Taipei	Tae Kyoung Kim, Canada	Hyun Ji Lim, Korea
Eun Ju Chun, Korea	You Me Kim, Korea	Wei-Che Lin, Chinese Taipei
Dong Jin Chung, Korea	Young H. Kim, USA	Giovanni Mauri, Italy
Hye Won Chung, Korea	Young-Sun Kim, Korea	Sung Gyu Moon, Korea
Jae-Joon Chung, Korea	Young Jun Kim, Korea	Woo Kyung Moon, Korea
Yong Eun Chung, Korea	Chulhong Kim, Korea	Min Hoan Moon, Korea
Doo Hoe Ha, Korea	Eun Kyung Kim, Korea	Dong Gyu Na, Korea
Soo Yeon Hahn, Korea	Kyoung Won Kim, Korea	Cuong Tuan Nguyen, Vietnam
Boo-Kyung Han, Korea	Seung-Seob Kim, Korea	Kyung Seung Oh, Korea
Byoung Hee Han, Korea	Eun Young Ko, Korea	Harriet Paltiel, USA
Musarrat Hasan, Pakistan	Sung Min Ko, Korea	Dong-Guk Pang, Korea
Sukhee Heo, Korea	Jin Young Kwak, Korea	Eun-Ah Park, Korea
Jae-Yeon Hwang, Korea	Soon Tae Kwon, Korea	Eun-Joo Park, Korea
Ji Young Hwang, Korea	Bae Young Lee, Korea	Jung Jae Park, Korea
Bo-Kyung Je, Korea	Eun Sun Lee, Korea	Sung Bin Park, Korea

Young Mi Park, Korea
Jinhyoung Park, Korea
Sekyoung Park, Korea
Hyunchul Rhim, Korea
Yongrae Roh, Korea
Hee Jung Shin, Korea
Jung Hee Shin, Korea

Kyung Sook Shin, Korea
Eun Ju Son, Korea
Katsutoshi Sugimoto, Japan
Jin Yong Sung, Korea
Ok Hee Woo, Korea
Dal Mo Yang, Korea
Yangmo Yoo, Korea

Jung Hyun Yoon, Korea
Jung-Hee Yoon, Korea
Seong Kuk Yoon, Korea
Hee Mang Yoon, Korea
Ji Hyun Youk, Korea

AFSUMB 2024 Program at a Glance

Date Time/ Room	Day 1 - May 9 (Thu)						Day 2 - May 10 (Fri)			
	1F			2F			3F	1F		
	GBR 101	GBR 102	GBR 103	Room 201	Room 202	Room 205B	Auditorium	GBR 101	GBR 102	GBR 103
7:50	KSTU	MSK	ABD	BR	GU			THY/HN		BR
	Meet the Professor 1 <small>(p 32)</small>	Meet the Professor 2 <small>(p 32)</small>	Meet the Professor 3 <small>(p 32)</small>	Meet the Professor 4 <small>(p 32)</small>	Meet the Professor 5 <small>(p 32)</small>			Meet the Professor 6 <small>(p 43)</small>		Meet the Professor 7 <small>(p 43)</small>
8:20	Break									
8:30	KSTU	MSK	ABD	BR	GU		KISTIA		ABD	BR
	Categorical Course 1 <small>(p 33)</small>	Categorical Course 1 <small>(p 33)</small>	Categorical Course 3 <small>(p 33)</small>	Special Focus Session 1 <small>(p 34)</small>	Categorical Course 4 <small>(p 34)</small>		Symposium 1 <small>(p 34)</small>	Joint Symposium with Vietnamese Society of Ultrasound in Medicine (VSUM) <small>(p 43)</small>	Special Focus Session 4 <small>(p 44)</small>	Special Focus Session 5 <small>(p 44)</small>
10:00	Break							Coffee Break		
10:20	KSTU	MSK	ABD	BR	GU		KISTIA	KISTIA	ABD	BR
	Scientific Session 1 <small>(p 35)</small>	Categorical Course 5 <small>(p 35)</small>	Scientific Session 2 <small>(p 36)</small>	Scientific Session 3 <small>(p 37)</small>	Scientific Session 4 <small>(p 37)</small>		Symposium 2 <small>(p 36)</small>	Symposium 5 <small>(p 45)</small>	Categorical Course 8 <small>(p 45)</small>	Hot Issue 1 <small>(p 46)</small>
11:50	Break							Break		
12:00	Luncheon Symposium 1 (KISTIA/STARmed) <small>(p 38)</small>	Luncheon Symposium 2 (Korean Traditional Culture Lecture) <small>(p 38)</small>	KSUM General Assembly <small>(p 38)</small>						Luncheon Symposium 3 (Canon Medical Systems Korea) <small>(p 48)</small>	
13:00	Coffee Break							Coffee Break		
13:20										
13:30								Opening Ceremony & Congress Lecture <small>(p 39)</small>		Jisan Lecture <small>(p 48)</small>
									Coffee Break	
14:30	Coffee Break								PHY	KISTIA
14:50	KSTU	MSK		OBGY	Korean		KISTIA	Special Focus Session 7 <small>(p 49)</small>	AI Workshop <small>(p 49)</small>	Symposium 6 <small>(p 49)</small>
15:10	Special Focus Session 2 <small>(p 39)</small>	Special Focus Session 3 <small>(p 39)</small>	CEUS Workshop 1 <small>(p 39)</small>	Categorical Course 6 <small>(p 40)</small>	Ultrasonography Editorial Workshop <small>(p 40)</small>		Symposium 3 <small>(p 40)</small>			
16:40	Break					AFSUMB AC Meeting	Break	PHY	Coffee Break	
16:50	Educative Course for Trainee 1 <small>(p 41)</small>	MSK	Satellite Symposium: Bracco <small>(p 41)</small>				KISTIA	Scientific Session 8 <small>(p 50)</small>		
		Scientific Session 5 <small>(p 41)</small>					Symposium 4 <small>(p 42)</small>			
18:00	[18:10-19:40] Welcome Reception (Auditorium Lobby (3F), Coex)								[18:00-18:30] Cocktail Reception	
19:30									[18:30-20:00] Congress Dinner	

Day 3 - May 11 (Sat)

Date
Time/
Room

2F				1F			2F			Time/ Room
Room 201	Room 202	Room 203	Room 205B	GBR 101	GBR 102	GBR 103	Room 201	Room 202	Room 203	
CV Meet the Professor 8 <small>(p 43)</small>					PED Meet the Professor 9 <small>(p 51)</small>	ABD Meet the Professor 10 <small>(p 51)</small>				7:50
Break				Break						8:20
CV Special Focus Session 6 <small>(p 44)</small>	PED Categorical Course 7 <small>(p 45)</small>			BR Categorical Course 9 <small>(p 51)</small>	PED Special Focus Session 8 <small>(p 51)</small>	 Joint Symposium with Mongolian Society of Diagnostic Ultrasound (MSDU) <small>(p 52)</small>		 CEUS Workshop 2 <small>(p 52)</small>	GU Hands-on Session 1 <small>(p 52)</small>	8:30
Coffee Break			AFSUMB GA	Coffee Break						10:00
CV Scientific Session 6 <small>(p 46)</small>	PED Scientific Session 7 <small>(p 47)</small>			BR Scientific Session 9 <small>(p 53)</small>	PED Hot Issue 2 <small>(p 53)</small>	OTHER Innovative Techniques in US-guided Ablation (collaborative with KSITA) <small>(p 54)</small>	 Educative Course for Trainee 2 <small>(p 54)</small>	 CEUS Workshop 3 <small>(p 54)</small>	THY/HN Hands-on Session 2 <small>(p 55)</small>	10:20
Break				Break						11:50
 Luncheon Symposium 4 (GE Healthcare Korea) <small>(p 48)</small>	 Luncheon Symposium 5 (Samsung Medison Co., Ltd.) <small>(p 48)</small>				 Luncheon Symposium 6 (KSUM) <small>(p 55)</small>	 Luncheon Symposium 7 (Bracco) <small>(p 55)</small>				12:00
Coffee Break				Coffee Break						13:00
				OBGY Categorical Course 6 <small>(p 55)</small>	 SWE/Attenuation Imaging Workshop 1 <small>(p 56)</small>	ABD Scientific Session 10 <small>(p 56)</small>	 KSUM Young Investigator Award Session <small>(p 57)</small>	THY/HN Scientific Session 11 <small>(p 57)</small>		13:20 13:30
Coffee Break										14:30
 Korean Policies and Issues in KSUM <small>(p 49)</small>			WFUMB Asian COE Meeting	Coffee Break						14:50
Coffee Break				GU Hot Issue 3 <small>(p 58)</small>	 SWE/Attenuation Imaging Workshop 2 <small>(p 59)</small>	ABD Hot Issue 4 <small>(p 59)</small>				15:10
	Interactive Case Review <small>(p 50)</small>					 Debriefing of AFSUMB 2024 & Closing Ceremony <small>(p 59)</small>				16:40 16:50
										18:00
										19:30

Scientific Program Overview

Scientific Exhibition (E-Poster)

Place	Scientific Exhibition Area, Exhibition Hall (Grand Ballroom 104-105, 1F)
Date & Time	May 9 (Thu) 07:50-18:00
	May 10 (Fri) 07:50-18:00
	May 11 (Sat) 07:50-17:40

Case of the Day (Quiz)

A total of 12 Case of the Day quizzes will be displayed on the computers in the Exhibition Hall (Scientific Exhibition Area) for the participants to solve throughout the congress period.

Place	Scientific Exhibition Area, Exhibition Hall (Grand Ballroom 104-105, 1F)
Date & Time	May 9 (Thu) 07:50-18:00
	May 10 (Fri) 07:50-18:00
	May 11 (Sat) 07:50-12:00
Announcement of Winners	After 13:00, May 11 (Sat), the winners will be announced in the Scientific Exhibition Area. * Prizes will be offered to the winners. The prizes will be given out on-site.

Interactive Case Review

Challenge yourself at the ICR!

Participants will be asked to choose the correct diagnosis for different cases from a series of about 24 quizzes. Everyone who participates in the quizzes will be given a gift.

Place	Room 202-203 (2F)
Date & Time	May 10 (Fri) 16:30-18:00
Director	Seung-cheol Han (Samsung Medical Center, Korea)
MC	Seung-Seob Kim (Severance Hospital, Korea)
	Hyun Ji Lim (Severance Hospital, Korea)

Hands-on Session

More informative and attractive for all participants!

Twenty participants will be assigned to each session on a first-come, first-served basis. Embark on a learning journey beyond the theoretic and improve your clinical skills under the guidance of experts with extensive experience.

Place	Room 203 (2F)
Date	May 11 (Sat)

Session	Time	Program
Hands-on Session 1 (Genitourinary)	08:30-10:00	<ul style="list-style-type: none"> • Topic: MR-US Fusion Technique (Electromagnetic) for Prostate Biopsy • Speaker: Myoung Seok Lee (Boramae Medical Center) • Instructors: <ul style="list-style-type: none"> - Myoung Seok Lee (Boramae Medical Center) - Hyung Woo Ahn (Seoul National University Bundang Hospital) - Young Joon Lee (The Catholic University of Korea, Eunpyeong St. Mary's Hospital)
Hands-on Session 2 (Thyroid/Head & Neck)	10:20-11:50	<ul style="list-style-type: none"> • Topic: Learning Thyroid Ablation from the Top • Speaker: Jung Hwan Back (Asan Medical Center) • Instructors: <ul style="list-style-type: none"> - Jung Hee Shin (Samsung Medical Center) - Soo Yeon Hahn (Samsung Medical Center) - Sae Rom Chung (Asan Medical Center) - Ji Ye Lee (Seoul National University Hospital)

* Application for the Hands-on Session is closed. The Hands-on Information Desk will open at 7:50 a.m. on May 11 (Sat).

Ultrasound, the Best (Informal Scientific Presentation)

Oral presentations of Case Reports will be made during the break times, which will take place on the right side of the Exhibition Hall (Grand Ballroom 104-105, 1F).

Place	Ultrasound, the Best, Exhibition Hall (Grand Ballroom 104-105, 1F)
Date	May 9 (Thu)-May 11 (Sat)

Date	Presenting Time	Session	Presentation Team by Specialty
May 9 (Thu)	10:00-10:20 (20')	USB01	ABD / GU
	13:00-13:20 (20')	USB02	MSK
	14:50-15:10 (20')	USB03	BR
May 10 (Fri)	10:00-10:20 (20')	USB04	CV
	13:00-13:20 (20')	USB05	THY / HN
	14:30-14:50 (20')	USB06	ABD / GU
May 11 (Sat)	10:00-10:20 (20')	USB07	ABD
	13:00-13:20 (20')	USB08	PED

Luncheon Symposium

Luncheon Symposium 1 (KISTIA/STARmed) (p. 38)

Place	Grand Ballroom 101, (1F)
Date & Time	May 9 (Thu) 12:00-13:00
Topic	Technical Advances in Thyroid RFA: Benign to Malignancy
Chairperson	Giovanni Mauri (University of Milan)
Speaker(s)	Jung Hwan Baek (Asan Medical Center)

Luncheon Symposium 2 (Korean Traditional Culture Lecture) *For International Participants (p. 38)

Place	Grand Ballroom 102, (1F)
Date & Time	May 9 (Thu) 12:00-13:00
Topic	Korea's History and Culture: Then and Now
Speaker(s)	Simon Bureau (Vectis Corporation Ltd.)

Luncheon Symposium 3 (Canon Medical Systems Korea) (p. 48)

Place	Grand Ballroom 102, (1F)
Date & Time	May 10 (Fri) 12:00-13:00
Topic	Insight for Abdominal US with Attenuation Image, CEUS
Chairperson	Byung Ihn Choi (Chung-Ang University Hospital)
Speaker(s)	Dongho Lee (Seoul National University Hospital)
	Jeongin Yoo (Seoul National University Hospital)

Luncheon Symposium 4 (GE HealthCare Korea) (p. 48)

Place	Room 201, (2F)
Date & Time	May 10 (Fri) 12:00-13:00
Topic	Care That Has No Limits for Ultrasound
Chairperson	Woo Kyoung Jeong (Samsung Medical Center)
Speaker(s)	Sally Lee (GE HealthCare)
	Anders Sjöström (GE HealthCare)

Luncheon Symposium 5 (Samsung) (p. 48)

Place	Room 202, (2F)
Date & Time	May 10 (Fri) 12:00-13:00
Topic	Samsung's Innovation for Ultrasound
Chairperson	Eun Kyung Kim (Yongin Severance Hospital)
Speaker(s)	Adrian K. Lim (Imperial College London and Healthcare NHS Trust) Seong Woo Han (Hallym University Dongtan Sacred Heart Hospital)

Luncheon Symposium 6 (KSUM) (p. 55)

Place	Grand Ballroom 102 (1F)
Date & Time	May 11 (Sat) 12:00-13:00
Topic	Shaping the Future with Ultrasound: How will US Technology Change in the Future?
Chairperson	Woo Kyoung Jeong (Samsung Medical Center)
Speaker(s)	GE Healthcare Korea Canon Medical Systems Korea Samsung Medison PHILLIPS Siemens Healthineers

Luncheon Symposium 7 (Bracco) (p. 55)

Place	Grand Ballroom 103 (1F)
Date & Time	May 11 (Sat) 12:00-13:00
Topic	The Key Role of CEUS (II)
Chairperson	Jeong Min Lee (Seoul National University Hospital)
Speaker(s)	Haesung Yoon (Severance Hospital) Qiang Lu (West China Hospital, Sichuan University)

Should Not Miss!

Opening Ceremony

- Date: May 9 (Thu), 2024
- Time: 13:30-14:50
- Place: Auditorium (3F), Coex

Jisan Lecture

- Date: May 10 (Fri), 2024
- Time: 13:20-14:30
- Place: Grand Ballroom 103, Coex
- Speaker: Iwaki Akiyama (Japan)
- Topic: Simultaneous and Multimodality Imaging of US and MR
- Speaker: Won Jae Lee (Korea)
- Topic: Overview in AI Applications to US Imaging

Joint Symposium

Joint Symposium with Vietnamese Society of Ultrasound in Medicine (VSUM)

- Date: May 10 (Fri), 2024
- Time: 08:30-10:00
- Place: Grand Ballroom 103, Coex

Joint Symposium with Mongolian Society of Diagnostic Ultrasound (MSDU)

- Date: May 11 (Sat), 2024
- Time: 08:30-10:00
- Place: Grand Ballroom 103, Coex

KSUM Young Investigator Award Session

Oral presentation session of the candidates of the KSUM Young Investigator Award!
Who will be the winners of this year's KSUM Young Investigator Award?

- Date: May 11 (Sat), 2024
- Time: 13:20-14:50
- Place: Room 201, Coex

Policies and Issues in KSUM (Korean)

- Date: May 10 (Fri), 2024
- Time: 14:50-16:20
- Place: Room 201, Coex
- Speaker: You Me Kim (Korea)
- Topic: 전공의 교육과정 개편(RCEP)에 따른 KSUM 전공의 교육프로그램 개선방안
- Speaker: Hong Eo (Korea)
- Topic: 초음파 검사자와 관련된 법률적 해석 정리: 의사 외 초음파 검사자를 어느 범위까지 인정할 수 있는가?

Welcome Reception

All AFSUMB 2024 participants are cordially invited to attend this event which will offer the chance to share a warm welcome and mingle with colleagues in pleasant surroundings.

- Date: May 9 (Thu), 2024
- Time: 18:10-19:40
- Place: Auditorium Lobby (3F), Coex
- ※ All participants can attend for free.

Debriefing of AFSUMB 2024 & Closing Ceremony

Let's celebrate the finale of AFSUMB 2024 together!

- Date: May 11 (Sat), 2024
- Time: 16:40-17:40
- Place: Grand Ballroom 103 (1F), Coex

Congress Dinner

Enjoy the wonderful evening of AFSUMB 2024 with great food and performances.

- Date: May 10 (Fri), 2024
- Time: 18:30-20:00 (18:00-18:30 Cocktail Reception)
- Place: Grand Ballroom 102+103 (1F), Coex
- Ticket: USD 20 / KRW 20,000
- ※ Only participants who have paid for the congress dinner can attend this event.
- ※ Participants can purchase tickets at the on-site registration desk. Please note that due to limited seating, tickets will be sold on a first-come, first-served basis.

Scientific Awards

The AFSUMB 2024 Organizing Committee is preparing various awards and prizes to encourage scientific activities.

International Grant Award

Awarded to all overseas presenters of the abstracts accepted to be presented on-site at the Scientific Session, Scientific Exhibition (E-Poster) or Informal Scientific Presentation_Ultrasound, the Best.

The award is given only once to the presenting author regardless of the number of accepted abstracts or co-authors.

International Grant Award
USD 500

Young Investigator Award

Awarded to presenters under the age of 40 of the abstracts selected as the most outstanding among the oral presentations.

Grand Prix (1 Winner)	Gold (2 Winners)
KRW 1,000,000	KRW 500,000

Ultrasound, the Best Award

Awarded to the top 3 International Scientific Presentation presenters based on the peer review of the scientific content of presentations.

Ultrasound, the Best Award (3 Winners)
KRW 100,000

Best Poster Award

Awarded to presenting authors of selected scientific exhibitions based on the peer review of the scientific content of presentations.

Grand Prix (1 Winner)	Gold (2 Winners)	Silver (3 Winners)	Bronze (4 Winners)
KRW 500,000	KRW 300,000	KRW 200,000	KRW 100,000

* Please be informed that the prizes of all awards will be presented after deducting a 22% tax from the original amount in the case of awardees from the following countries: Afghanistan, Argentina, Belgium, Brazil, Cameroon, Costa Rica, Denmark, Guatemala, Lebanon, Mozambique, Paraguay, Puerto Rico, Republic of Suriname, Singapore, Sudan, Switzerland, Chinese Taipei, Turkiye.

* Please note that all awardees must be registered for AFSUMB 2024.

Floor Plan

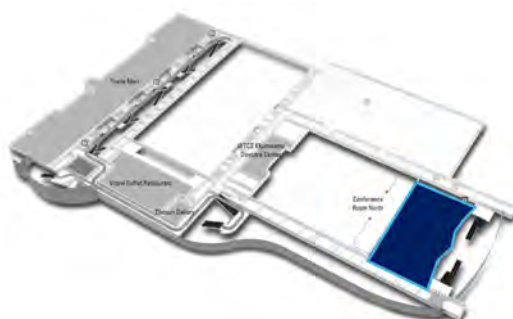
Level 3



Auditorium

- Opening Ceremony
- KISTIA Satellite Symposium
- Welcome Reception

Level 2



Conference Room (Room 201~211)

- Scientific Sessions
- Interactive Case Review
- Hands-on Sessions
- Meeting Room
- Preview Room
- AFSUMB 2024 Secretariat

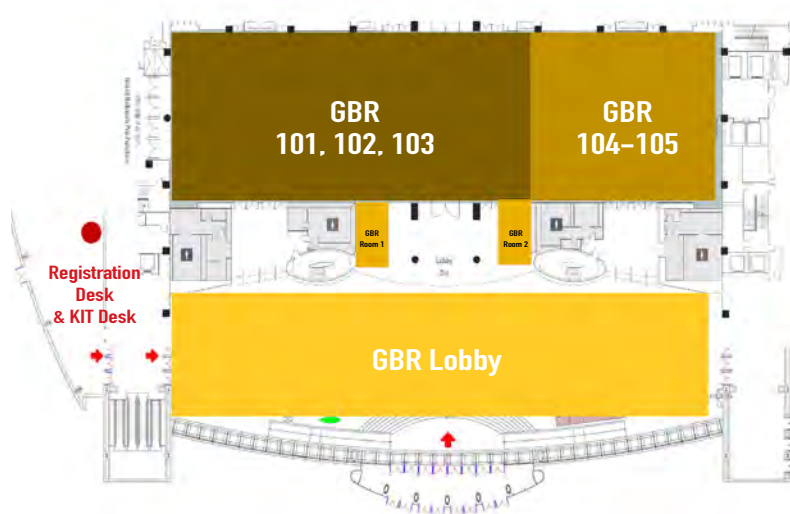
Level 1



Grand Ballroom (Room 101~105)

- Scientific Sessions
- Joint Symposia
- Congress Dinner
- Closing Ceremony
- Technical Exhibition
- Scientific Exhibition (E-Poster)
- Ultrasound, the Best (Informal Scientific Presentation)
- Photo Zone
- Coffee Station & Rest Area
- Registration Desk

1F GRAND BALLROOM & LOBBY



GBR 101, 102, 103

- Jisan Lecture
- Scientific Sessions
- KSUM General Assembly
- Joint Symposiums
- Luncheon Symposium
- Congress Dinner
- Closing Ceremony

GBR 104-105

- Technical Exhibition
- Scientific Exhibition (E-Poster)
- Ultrasound, the Best (Informal Scientific Presentation)
- Case of the Day
- Photo Zone
- Coffee Station & Rest Area

GBR Lobby

- Registration Desk
- Technical Exhibition
- Coffee Break

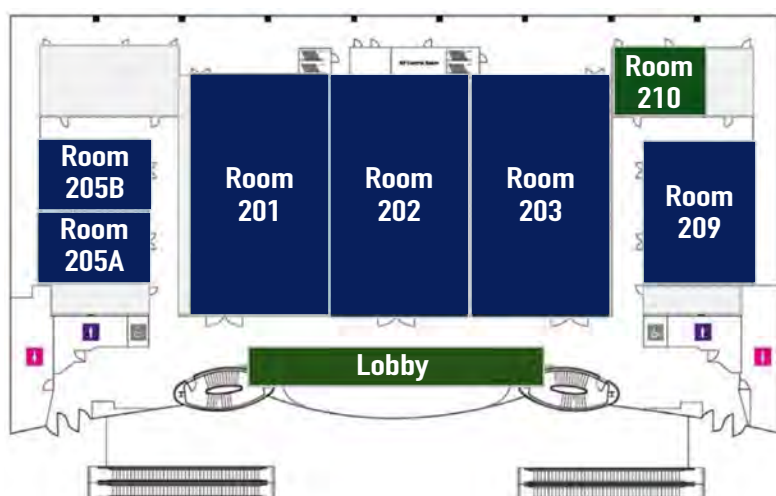
GBR Room 1

- KSUM Secretariat

GBR Room 2

- AFSUMB 2024 Organizing Committee

2F CONFERENCE ROOM NORTH



Room 201-203

- Scientific Sessions
- Hands-on Sessions
- Luncheon Symposium
- Interactive Case Review
- KSUM Young Investigator Award Session

Room 205A

- Preview Room

Room 205B

- AFSUMB Ultrasound Contrast Agent Committee Meeting
- AFSUMB AC Meeting
- AFSUMB GA
- WFUMB Asian COE Meeting

Room 209

- Lounge

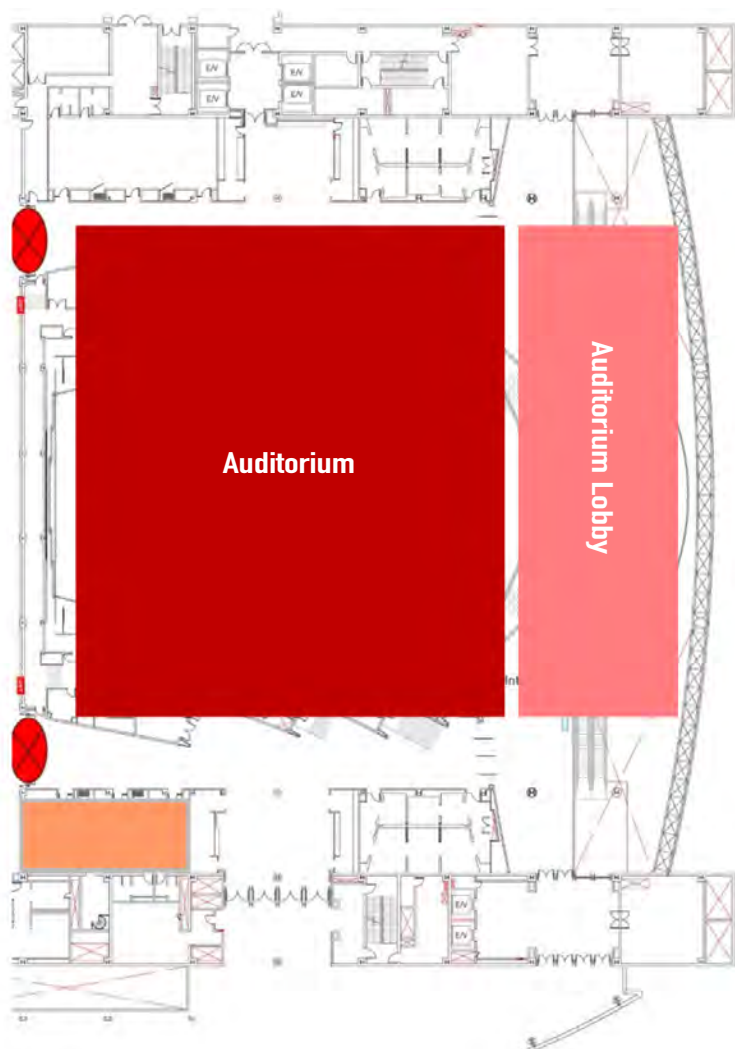
Room 210

- AFSUMB 2024 Secretariat

Lobby

- Coffee Break

3F_AUDITORIUM



Auditorium

- Opening Ceremony
- KISTIA Satellite Symposium

Auditorium Lobby

- Welcome Reception

Congress Information

Registration Desk Operation Hours

Place Grand Ballroom Left-Lobby (1F)
Time May 9 (Thu), 06:50-18:00
 May 10 (Fri), 06:50-18:00
 May 11 (Sat), 06:50-17:40

Registration Fee Includes

- Access to All Sessions
- Access to All Exhibition Halls
- Congress Kit and Program Book
- Welcome Reception
- Coffee Breaks
- Morning Coffee & Bread

AFSUMB 2024 Mobile Web

Scan the QR Code on the right to find various information on the congress through the mobile website.

- Congress Information
- Program
- Awards & Events
- Sponsorship & Technical Exhibition
- Travel Information



Internet Access

For free Wi-Fi, select "COEX Free Wi-Fi Zone" or "Public Wi-Fi Free" on your mobile device.

Preview Room

Place Room 205A (2F)
Time May 9 (Thu), 06:50-18:00
 May 10 (Fri), 06:50-18:00
 May 11 (Sat), 06:50-16:40

Photo Zone

Place Exhibition Hall (Grand Ballroom 104-105, 1F)
The AFSUMB 2024 photo zone is located in the Exhibition Hall. All participants can take photos at the photo zone during the congress. Come and celebrate your memories in Seoul!

Morning Coffee & Bread

Place Grand Ballroom Lobby 1F, Coex
Time May 9 (Thu)-May 11 (Sat), 07:20-07:50

Coffee Break

All participants who are registered for AFSUMB 2024 can enjoy lunch and coffee without any additional fees (included in the registration fee). Fresh coffee with cookies will be served in the rest area during the coffee breaks.

Place	Grand Ballroom Lobby 1F, Coex (Day 1-3) / Conference Room Lobby 2F, Coex (Day 1-3) / Auditorium Lobby, 3F, Coex (Day 1)
Time	May 9 (Thu), 10:00-10:20 / 13:00-13:20 / 14:50-15:10 May 10 (Fri), 10:00-10:20 / 13:00-13:20 / 14:30-14:50 May 11 (Sat), 10:00-10:20 / 13:00-13:20 / 14:50-15:10

Coffee Station

Place	Exhibition Hall (Grand Ballroom 104-105, 1F, Coex)
Time	May 9 (Thu)-May 11 (Sat), 09:00-17:00

Certificate of Attendance

Participants can download and print the certificate of attendance at MY PAGE of the AFSUMB 2024 website (www.afsumb2024.org). Participants who register on-site, please visit the on-site registration desk for the certificate.

대회 연수평점 (For Koreans Only)

평점인정 기준 사항 안내

- 대한의사협회 평점 인정 기준 변경에 따라 1일 2회 이상의 바코드 스캔 기록을 바탕으로 아래와 같이 1일 최대 6평점의 부분 점수가 인정됩니다.
- 대한의사협회 지침에 따라 학회 입장과 퇴장 시간 승인은 모두 바코드 스캔 방식으로 진행됩니다.
- 평점 인정을 위한 바코드 스캔은 등록데스크를 방문하여 주시기거나 각 세션장 앞에 설치된 셀프 바코드 체크기를 이용하여 주시기 바랍니다.

등록데스크 및 셀프 바코드 체크기 운영시간

- 운영 시간: 2024년 5월 9일 (목) - 5월 10일 (금) 07:50 - 18:00 / 11일 (토) 07:50 - 17:40
- 운영 위치: 코엑스 그랜드 볼룸 101호 좌측 로비 (1층) 등록 데스크, 각 세션장 앞
- **런천 심포지엄, 브레이크 참가는 평점에 포함되지 않습니다.**

대한의사협회 평점 인정 기준 (실 출석 시간에 따라 부분평점 인정)			
1시간 미만	1평점 인정 불가	4시간 이상 5시간 미만	4평점
1시간 이상 2시간 미만	1평점 인정	5시간 이상 6시간 미만	5평점
2시간 이상 3시간 미만	2평점	6시간 이상	6평점
3시간 이상 4시간 미만	3평점		

AFSUMB 2024 대회 일자 별 최대 인정 평점	
5월 9일(목) 07:50~18:00	최대 6평점
5월 10일(금) 07:50~18:00	최대 6평점
5월 11일(토) 07:50~17:40	최대 6평점

평점 인정 기준 구분 (1일 2회 이상 출석 확인 시 인정)				
구분	입장 시 바코드 인식		퇴장 시 바코드 인식	평점인정 여부
구분 1	O		X	불인정
구분 2	X		O	불인정
구분3	O		O	인정

Sponsors

The Organizing Committee of AFSUMB 2024 gratefully acknowledges the sponsorship of the following companies.

Gold



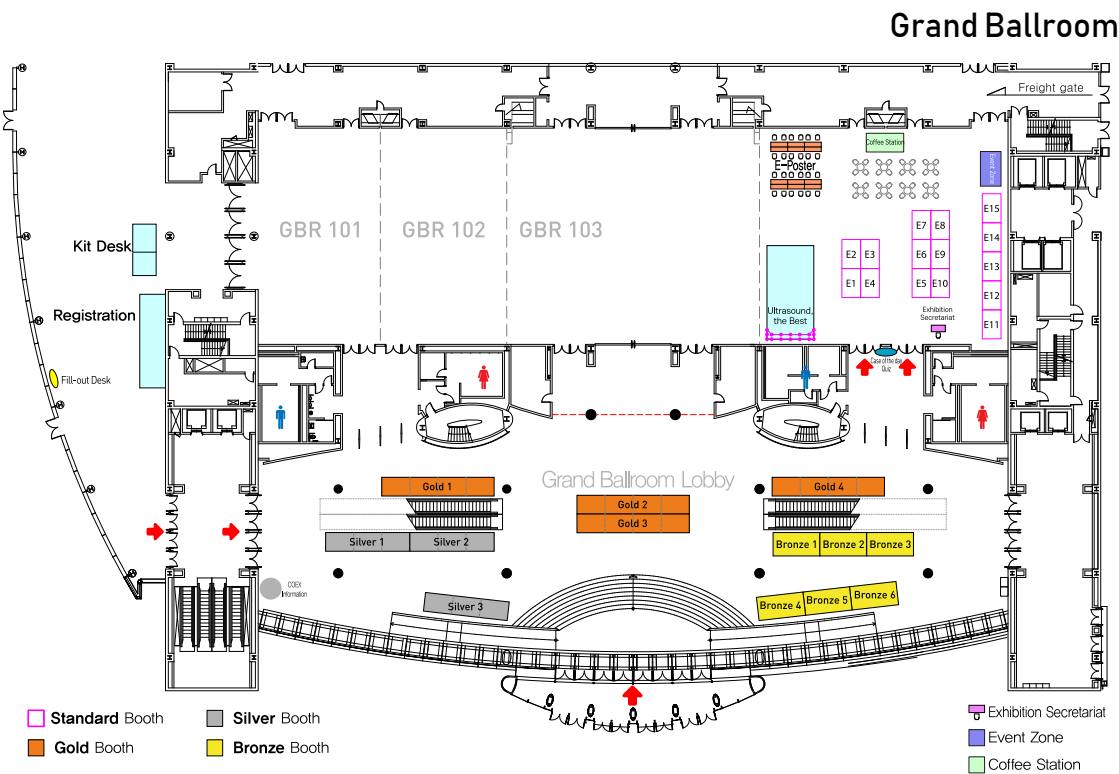
Silver



Bronze



Exhibition Layout



Booth No.	Company	Booth No.	Company
Gold 1	Canon Medical Systems Korea	Bronze 1	Imaging Solutions Korea
Gold 2	Central Medical Service	Bronze 2	Bayer Korea Ltd.
Gold 3	HealthCare	Bronze 3	SIEMENS Healthineers Ltd.
Gold 4	Samsung	Bronze 4	WiTH Healthcare
Silver 1	Dongkook Lifescience	Bronze 5	JW Medical
Silver 2	Guerbet	Bronze 6	PHILIPS
Silver 3	Bracco		

Booth No.	Company	Booth No.	Company
E1	STARmed	E9	BD Korea
E2	SEJONG MEDICAL BOOKS	E10	monitor corporation
E3	RF Medical Co., Ltd.	E11	KCR 2024
E4	Pharvis Korea Pharm	E12	AFSUMB
E5, E6	ACCUZEN	E13	AFSUMB 2026
E7	Dasol Life Science	E14	WFUMB 2025
E8	ENCORMAC	E15	KSTU



AFSUMB 2024

Scientific Programs

Daily Scientific Program

Day 1 – May 9 (Thu)

GBR 101

07:50–08:20

Meet the Professor 1 (KSTU)

Chairperson(s)

Yongrae Roh (Kyungpook National University, Korea)
Young-sun Kim (MINT Intervention Hospital, Korea)

07:50–08:20 (MP01–S1)

Ultrasound-induced Artificial Hibernation

Hong Chen (Washington University in St. Louis, USA)

Room 201

07:50–08:20

Meet the Professor 4 (BR)

Future Perspectives of Ultrasonography

Chairperson(s)

Woo Kyung Moon (Seoul National University Hospital, Korea)
Hee Jung Shin (Asan Medical Center, Korea)

07:50–08:20 (MP04–S1)

Next-Generation Breast Cancer Screening Based on Ultrasonography

Uematsu Takayoshi (Shizuoka Cancer Center Hospital, Japan)

GBR 102

07:50–08:20

Meet the Professor 2 (MSK)

Chairperson(s)

Yun Sun Choi (Nowon Eulji Medical Center, Eulji University, Korea)
Sung Gyu Moon (Konkuk University Medical Center, Korea)

07:50–08:20 (MP02–S1)

US of Arthritis

Monique Reijnierse (Leiden University Medical Center, the Netherlands)

Room 202

07:50–08:20

Meet the Professor 5 (GU)

Chairperson(s)

Seong Kuk Yoon (Dong-A University Hospital, Korea)

07:50–08:20 (MP05–S1)

Microultrasound for Prostate Cancer Detection

Sangeet Ghai (University of Toronto, Canada)

08:20–08:30

Break

GBR 103

07:50–08:20

Meet the Professor 3 (ABD)

Chairperson(s)

Jae Young Lee (Seoul National University Hospital, Korea)

07:50–08:20 (MP03–S1)

Contrast-enhanced Ultrasound (CEUS) Liver Imaging Reporting and Data System (LI-RADS) – a Review of Important Differences Compared to The CT/MRI System

Tae Kyoung Kim (University of Toronto, Canada)

GBR 101

08:30-10:00

Categorical Course 1 (KSTU)

Ultrasound Therapy for Brain Diseases

Chairperson(s)

Jin Woo Chang (Korea University Anam Hospital, Korea)

Hyungmin Kim (Korea Institute of Science and Technology, Korea)

08:30-09:00 (CC01-S1)

Enhancement of Glymphatic Activity in Neurodegenerative Disease Using Low-Intensity Ultrasound Treatment

Jaeho Kim (Hallym University Medical Center, Korea)

09:00-09:30 (CC01-S2)

First-in-Human Prospective Trial of Sonobiopsy in High-Grade Glioma Patients Using Neuronavigation-guided Focused Ultrasound

Hong Chen (Washington University in St. Louis, USA)

09:30-10:00 (CC01-S3)

Novel Approach to Apply Focused Ultrasound for Brain Diseases

Won Seok Chang (Severance Hospital, Korea)

GBR 102

08:30-10:00

Categorical Course 2 (MSK)

Clinical US Application in the Joint

Chairperson(s)

Sang-Hee Choi (Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea)

Seunghun Lee (Hanyang University Medical Center, Korea)

08:30-08:55 (CC02-S1)

Postoperative US of the Shoulder

Chueh-Hung Wu (National Taiwan University Hospital, Chinese Taipei)

08:55-09:15 (CC02-S2)

Updated US of the Elbow

Yusuhn Kang (Seoul National University Bundang Hospital, Korea)

09:15-09:35 (CC02-S3)

Updated US of the Hand and Wrist

Geun Young Lee (Chung-Ang University Hospital, Korea)

09:35-10:00 (CC02-S4)

Updated US of the Ankle and Foot

Hong-Jen Chiou (Taipei Veterans General Hospital, Chinese Taipei)

GBR 103

08:30-10:00

Categorical Course 3 (ABD)

Clinically Urgent US Evaluation of Abdomen

Chairperson(s)

Kyung Sook Shin (Chungnam National University Hospital, Korea)

Ijin Joo (Seoul National University Hospital, Korea)

08:30-08:50 (CC03-S1)

Acute Upper Abdomen

Jisun Lee (Chungbuk National University Hospital, Korea)

08:50-09:10 (CC03-S2)

Acute Lower Abdomen

Song-Ee Baek (Severance Hospital, Korea)

09:10-09:30 (CC03-S3)

POCUS Application of Abdomen in ER

Hee Yoon (Samsung Medical Center, Korea)

09:30-09:50 (CC03-S4)

Post-operative US Evaluation of Abdomen

Jaeseung Shin (Samsung Medical Center, Korea)

Auditorium

08:30-10:00

Symposium 1 (KISTIA)

US Anatomy of Thyroid and Neck

Chairperson(s)

Jin Young Kwak (Yonsei University College of Medicine, Severance Hospital, Korea)
Soo Yeon Hahn (Samsung Medical Center, Korea)

08:30-09:00 (ST01-S1)

US Anatomy of Thyroid and Perithyroidal Area

Hyun Kyung Lim (Soonchunhyang University Seoul Hospital, Korea)

09:00-09:30 (ST01-S2)

US Anatomy of Nervous Structures in the Neck

Sae Rom Chung (Asan Medical Center, Korea)

09:30-10:00 (ST01-S3)

Complications During Thyroid Intervention: Correlation with US Anatomy

So Lyung Jung (The Catholic University of Korea, Yeouido St. Mary's Hospital, Korea)

Room 201

08:30-10:00

Special Focus Session 1 (BR)

Non-Mass Lesions of the Breast

Chairperson(s)

Min Jung Kim (Severance Hospital, Korea)
Young Mi Park (Busan Paik Hospital, Korea)

08:30-09:00 (SF01-S1)

Non-Mass Lesions on Ultrasonography Based on Anatomy and Histopathologic Knowledge

Uematsu Takayoshi (Shizuoka Cancer Center Hospital, Japan)

09:00-09:30 (SF01-S2)

Non-Mass Lesions Detected at Screening US

Eun Young Chae (Asan Medical Center, Korea)

09:30-10:00 (SF01-S3)

Characterization of Non-Mass Lesions: Multiparametric and Multimodality Approaches

Sung Eun Song (Korea University Anam Hospital, Korea)

Room 202

08:30-10:00

Categorical Course 4 (GU)

GU US Basic

Chairperson(s)

Bum Sang Cho (Chungbuk National University Hospital, Korea)
Jung Jae Park (Chungnam National University Hospital, Korea)

08:30-09:00 (CC04-S1)

Kidney and Bladder USG

Weon Jang (Chonbuk National University Hospital, Korea)

09:00-09:30 (CC04-S2)

Scrotal USG

Min Je Kim (Samsung Medical Center, Korea)

09:30-10:00 (CC04-S3)

Penile USG

Jongjin Yoon (Severance Hospital, Korea)

10:00-10:20

Coffee Break

GBR 101

10:20–11:50

Scientific Session 1 (KSTU)

Chairperson(s)

Hak Jong Lee (Seoul National University Bundang Hospital, Korea)
Eun-Joo Park (Seoul National University Hospital, Korea)

10:20–10:30 (SS01-P1)

Localization of the Histotripsy Bubble Cloud Treatment Zone in Vivo via Cone-Beam CT Instead of Ultrasound

Katrina Falk (University of Wisconsin-Madison, USA)

10:30–10:40 (SS01-P2)

Histotripsy of the Ureter and Renal Pelvis in a Porcine Survival Model

Adrienne Kisting (University of Wisconsin-Madison, USA)

10:40–10:50 (SS01-P3)

Drug Loaded Nested Microbubbles for Sonoporation

Jongbum Seo (Yonsei University, Korea)

10:50–11:00 (SS01-P4)

Ultrasound-Activated CRISPR/Cas9 Delivery System Alleviates Cardiac Fibrosis Post Myocardial Infarction

Lijun Qian (The First Affiliated Hospital of Nanjing Medical University, China)

11:00–11:10 (SS01-P5)

Perfluorocarbon Nanodrug Induced Oxygen Self-Enriching Sonodynamic Therapy Improves Cancer Immunotherapy after Insufficient Radiofrequency Ablation

Tongyi Huang (The First Affiliated Hospital of Sun Yat-sen University, China)

11:10–11:20 (SS01-P6)

Phase I Clinical Trial Using Focused Ultrasound-Stimulated Microbubbles to Enhance Radiation Treatment for Head and Neck Cancer

Deepa Sharma (Sunnybrook Health Sciences Centre, Canada)

11:20–11:30 (SS01-P7)

Phase Modulated Ultrasonic Transmission for Precise Control of Blood-Brain Barrier Opening

Seoyun Chang (Sungkyunkwan University, Korea)

11:30–11:40 (SS01-P8)

Deep Learning Approach Enables Radiation-Free TFUS Treatment Planning with Synthetic CT

Tae Young Park (Korea Institute of Science and Technology, Korea)

11:40–11:50 (SS01-P9)

Ultrasound-Activated Analgesic Piezoelectric Gel System for Whole-Course-Management of Type 2 Diabetic Wounds

Xin Guan (Institute of Ultrasound in Medicine and Engineering, Zhongshan Hospital, Fudan University, Shanghai)

GBR 102

10:20–11:50

Categorical Course 5 (MSK)

Essential in the Joint US (Lecture and Live Demo)

Chairperson(s)

Soon Tae Kwon (Chungnam National University Hospital, Korea)
Sun Joo Lee (Inje University Busan Paik Hospital, Korea)

10:20–10:35 (CC05-S1)

US of the Shoulder (Lecture)

Monique Reijnierse (Leiden University Medical Center, the Netherlands)

10:35–10:50 (CC05-S2)

US of the Hand and Wrist (Lecture)

Soo-jung Choi (GangNeung Asan Hospital, Korea)

10:50–11:05 (CC05-S3)

US of the Ankle and Foot (Lecture)

Hong-Jen Chiou (Taipei Veterans General Hospital, Chinese Taipei)

11:05–11:20 (CC05-LD1)

US of the Shoulder (Live Demo)

Monique Reijnierse (Leiden University Medical Center, the Netherlands)

11:20–11:35 (CC05-LD2)

US of the Hand and Wrist (Live Demo)

Soo-jung Choi (GangNeung Asan Hospital, Korea)

11:35–11:50 (CC05-LD3)

US of the Ankle and Foot (Live Demo)

Hong-Jen Chiou (Taipei Veterans General Hospital, Chinese Taipei)

GBR 103

10:20–11:50

Scientific Session 2 (ABD)

Chairperson(s)

So Yeon Kim (Asan Medical Center, Korea)
Yong Eun Chung (Severance Hospital, Korea)

10:20–10:30 (SS02-P1)

Analysis of Infectious Complications after Thermal Ablation of Hepatocellular Carcinoma and the Impact on Long-Term Survival

Ming Xu (The First Affiliated Hospital, Sun Yat-Sen University, China)

10:30–10:40 (SS02-P2)

A Comparison between the Outcomes of US-Guided Percutaneous Ablation of > 5 and 5 Colorectal Liver Metastases: A Propensity Score Matching Study

Jingwen Zhou (The Sixth Affiliated Hospital, Sun Yat-sen University, China)

10:40–10:50 (SS02-P3)

Added Value of Kupffer-Phase Imaging of Sonazoid-Enhanced Ultrasound in Liver Ablation

Daewoong Kim (Chosun University Hospital, Korea)

10:50–11:00 (SS02-P4)

First-in-Human Trial of Nanosecond Pulsed Electric Field Ablation in Patients with Hepatocellular Carcinoma Not Amenable to Thermal Ablation: A Prospective Multicenter Study

Min Xu (The First Affiliated Hospital, Zhejiang University School of Medicine, China)

11:00–11:10 (SS02-P5)

Irreversible Electroporation Versus Radiofrequency Ablation for Subcapsular Hepatocellular Carcinoma: An Inverse Probability of Treatment Weighting Analysis

Min Xu (The First Affiliated Hospital, Zhejiang University School of Medicine, China)

11:10–11:20 (SS02-P6)

Liver Stiffness Measurement during Follow-Up Predict Hepatocellular Carcinoma in Chronic Hepatitis B Patients with Virological Response

Nana Wang (Third Affiliated Hospital of Sun Yat-Sen University, China)

11:20–11:30 (SS02-P7)

Predictive Value of Ultrasound Hemodynamic Parameters and Liver Function Indicators for Hepatic Artery Thrombosis in Adult Liver Transplant Recipients

Hong Han (Fudan University, China)

11:30–11:40 (SS02-P8)

Evaluation of the Patient with Abdominal Pain in the Emergency Department by Point of Care Ultrasound
Lam Ian Seng (Centro Hospitalar Conde de So Janurio, Macau)

Auditorium

10:20–11:50

Symposium 2 (KISTIA)

Non-invasive Treatment of Benign and Malignant Thyroid Lesions: Recent updates

Chairperson(s)

Ji-hoon Kim (University of Ulsan College of Medicine, Asan Medical Center, Korea)
Wei-Che Lin (Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Chinese Taipei)

10:20–10:50 (ST02-S1)

ATA Guidelines for Thyroid RFA

Catherine F. Sinclair (Monash University, Australia)

10:50–11:20 (ST02-S2)

ETA-CIRSE Guideline for the Use of Minimally Invasive Treatments in Malignant Thyroid Lesions
Giovanni Mauri (University of Milan, European Institute of Oncology, IRCCS, Italy)

11:20–11:50 (ST02-S3)

RFA versus MWA for Benign Thyroid Nodules: Pros and Cons

Cem Yucel (Gazi University, Türkiye)

Room 201

10:20-11:50

Scientific Session 3 (BR)

Chairperson(s)

Eun Ju Son (Gangnam Severance Hospital, Korea)
Hye Jung Kim (Kyungpook National University Chilgok Hospital, Korea)

10:20-10:30 (SS03-P1)

Investigating the Role of Bimodal Ultrasound in Predicting the Pathological Response of Breast Cancer Following Neoadjuvant Therapy: A Comparison with MRI

Xueyan Wang (Sun Yat-sen University Cancer Center, China)

10:30-10:40 (SS03-P2)

Relationship Between Glandular Tissue Component on Breast Ultrasound and Breast Cancer Recurrence: Insights from a Retrospective Study

Arim Yeom (Korea)

10:40-10:50 (SS03-P3)

Feasibility Study of Combining Quantitative Parameters of Different Sectional Elastography Techniques with Age to Optimize the Downgrading of Breast BI-RADS Class 4A Nodules

Xianxian Jiang (The First Affiliated Hospital of University of Science and Technology of China Anhui Provincial Hospital, China)

10:50-11:00 (SS03-P4)

Using Artificial Intelligence (AI)-Based Decision Support System for Breast Ultrasonography in Educating Healthcare Providers Not Dedicated to Breast Imaging

Sang Won Lee (Severance Hospital, Korea)

11:00-11:10 (SS03-P5)

Improving Breast Disease Detection through AI-Assisted Analysis of Ultrasound Videos: A Comparative Evaluation of Multiple Approaches

Shiyu Li (The Second Clinical Medical College, Jinan University, China)

11:10-11:20 (SS03-P6)

Enhanced Breast Tumor Diagnosis through Multi-Modal Ultrasound and Deep Learning Models

Fajin Dong (The Second Clinical Medical College, Jinan University (Shenzhen People's Hospital), Shenzhen, China)

11:20-11:30 (SS03-P7)

Research on the Discriminatory Value of Ultrasound Combined with Mammography Multimodal Medical Imaging Based on Enhanced Deep Learning for the Differentiation of Breast Ductal Carcinoma in Situ and Microinvasive Carcinoma

Yifei Yin (Affiliated Hospital of Nantong University, China)

11:30-11:40 (SS03-P8)

Assessment of Ultrasound Viscoelasticity in the Diagnosis of Breast Lesions

Fajin Dong (The Second Clinical Medical College, Jinan University (Shenzhen People's Hospital), Shenzhen, China)

Room 202

10:20-11:50

Scientific Session 4 (GU)

Chairperson(s)

Dae Chul Jung (Severance Hospital, Korea)
See Hyung Kim (Kyungpook National University Hospital, Korea)

10:20-10:30 (SS04-P1)

Characteristics of Uterine Artery Doppler Sonography in Hydatidiform Mole

Anh Nguyen Van Tuan (Hue Central Hospital, Vietnam)

10:30-10:40 (SS04-P2)

Intrapartum Ultrasound Use in Clinical Practice as a Predictor of Delivery Mode in Nulliparous Women Compared to Parous Women

Wang Yin (Xi'an Daxing Hospital, China)

10:40-10:50 (SS04-P3)

Application Value of Transperineal Laser Ablation in the Treatment of Enormousness Prostatic Hyperplasia

Ruiqing Liu (Henan Provincial People's Hospital, China)

10:50-11:00 (SS04-P4)

One-Stop Imaging Evaluation of Female Infertility with Lumason-Enhanced Hystero-Salpingo-Contrast Sonography (HyCoSy) in an American Hospital: Diagnostic Successes and Challenges

Hailey Choi (University of California San Francisco, USA)

11:00–11:10 (SS04-P5)**Inter-Reader Reliability of Ovarian-Adnexal Reporting and Data System US: A Systematic Review and Meta-Analysis***Sang Min Bae (Hanyang University Guri Hospital, Korea)***11:10–11:20 (SS04-P6)****Evaluation of Tubal Patency Based on Peak Injection Pressure in Four Dimensional Hysterosalpingo Contrast Sonography among Infertile Females: A Preliminary Study***Ling Wang (West China Second Hospital of Sichuan University, Chengdu, China)***11:20–11:30 (SS04-P7)****Mimba Yangu ~ My Pregnancy - the Role of Technology in Access to Quality Maternal Services and Enhancement of Birth Preparedness***Nidhi Leekha (Aga Khan University Kenya, Kenya)***11:30–11:40 (SS04-P8)****The Application of Ultrasound and Contrast-Enhanced Ultrasound Quantitative Analysis in the Evaluation of Delayed Graft Function Recovery after Kidney Transplantation***Mingxu Li (Peking University People's Hospital, Beijing, China)***11:40–11:50 (SS04-P9)****Machine Learning-Driven Assessment of Bladder Wall Vascularity for Early Detection of Interstitial Cystitis***Rifaldy Fajar (Karlstad University, Sweden)***11:50–12:00****Break****GBR 101****12:00–13:00****Luncheon Symposium 1 (KISTIA/STARmed)****Technical Advances in Thyroid RFA: Benign to Malignancy****Chairperson(s)***Giovanni Mauri (University of Milan, European Institute of Oncology, IRCCS, Italy)***12:00–13:00 (LS01-S1)****Technical Advances in Thyroid RFA: Benign to Malignancy***Jung Hwan Baek (Asan Medical Center, Korea)***GBR 102****12:00–13:00****Luncheon Symposium 2 (Korean Traditional Culture Lecture)****12:00–13:00 (LS02-S1)****Korea's History and Culture: Then and Now***Simon Bureau (Vectis Corporation Ltd., Canada)***GBR 103****12:00–13:00****KSUM General Assembly****13:00–13:20****Coffee Break**

Auditorium

13:30–14:50

Opening Ceremony & Congress Lecture

Chairperson(s)

Jae-Joon Chung (Gangnam Severance Hospital, Korea)

14:00–14:50 (CL-S1)

The Role of AI in Breast Imaging

Sudhir Vinayak (Aga Khan University, Kenya)

14:50–15:10

Coffee Break

GBR 101

15:10–16:40

Special Focus Session 2 (KSTU)

Ultrasound Therapy for Abdominal Cancer

Chairperson(s)

Jae Young Lee (Seoul National University Hospital, Korea)

Hyunchul Rhim (Samsung Medical Center, Korea)

15:10–15:40 (SF02-S1)

A General Overview of Histotripsy in Mechanical Tissue Destruction

Ki Joo Pahk (Kyung Hee University, Korea)

15:40–16:10 (SF02-S2)

Histotripsy: Clinical Outcomes and Future Directions

Timothy Ziemlewicz (University of Wisconsin, USA)

16:10–16:40 (SF02-S3)

Focused Ultrasound for Pancreatic Cancer: Past, Current and Future

Dongho Lee (Seoul National University Hospital, Korea)

GBR 102

15:10–16:40

Special Focus Session 3 (MSK)

US-guided Procedure for the Joint

Chairperson(s)

Doo Hoe Ha (CHA University Bundang Medical Center, Korea)

Ji Young Hwang (Ewha Womans University Seoul Hospital, Korea)

15:10–15:40 (SF03-S1)

US-guided Injection for the Shoulder Pain

Chueh-Hung Wu (National Taiwan University Hospital, Chinese Taipei)

15:40–16:10 (SF03-S2)

US-guided Barbotage for the Shoulder

Hyo Jin Kim (Seoul National University Boramae Medical Center, Korea)

16:10–16:40 (SF03-S3)

US-guided Prolotherapy for the Joint Pain

Kyunghoon Min (CHA University Bundang Medical Center, Korea)

GBR 103

15:10–16:40

CEUS Workshop 1

Guide for Beginning

Chairperson(s)

Tae Kyoung Kim (University of Toronto, Canada)

Kyoung Won Kim (Asan Medical Center, Korea)

15:10–15:40 (CW1-S1)

Basic Physics of CEUS

Adrian K. Lim (Imperial College London and Healthcare NHS Trust, UK)

15:40–16:10 (CW1-S2)

The History and Future of Ultrasound Contrast Agent

Qiang Lu (West China Hospital, Sichuan University, China)

16:10–16:40 (CW1-S3)

How to Perform CEUS

Jeongin Yoo (Seoul National University Hospital, Korea)

Auditorium

15:10-16:40

Symposium 3 (KISTIA)

TIRADS: Past, Present, and Future

Chairperson(s)

So Lyung Jung (The Catholic University of Korea,
Yeouido St. Mary's Hospital, Korea)
Jin Yong Sung (Daerim St. Mary's Hospital, Korea)

15:10-15:30 (ST03-S1)

K-TIRADS: From Inception to the Present

Min Kyoung Lee (The Catholic University of Korea,
Yeouido St. Mary's Hospital, Korea)

15:30-16:00 (ST03-S2)

ACR TI-RADS and Revised ATA Guideline

Jill E. Langer (Hospital of the University of Pennsylvania,
USA)

16:00-16:30 (ST03-S3)

Challenging Issues Toward Unified TIRADS

Dong Gyu Na (GangNeung Asan Hospital, Korea)

Room 201

15:10-16:40

Categorical Course 6 (OBGY)

Perspectives for the Mom:
Comprehensive Insights through
Perinatal US

Chairperson(s)

Min Hoan Moon (Seoul National University Boramae
Medical Center, Korea)
Kanu Bala (University of Science and Technology
Chittagong, Bangladesh)

15:10-15:40 (CC06-S1)

The Beginning of Pregnancy: Distinguishing
Normalcy from Abnormalcy

Tuangsit Watanagara (Faculty of Medicine Siriraj
Hospital, Thailand)

15:40-16:10 (CC06-S2)

The Continuum of Pregnancy: Fetal Metrics and
Implications in the Second and Third Trimesters

TP Baskaran (Gleneagles Hospital Kuala Lumpur,
Malaysia)

16:10-16:40 (CC06-S3)

Perinatal Challenges in Pregnancy: Placental
Diseases, Acute Abdomen, and Vaginal Bleeding

Kanu Bala (University of Science and Technology
Chittagong, Bangladesh)

Room 202

15:10-16:40

Ultrasonography Editorial
Workshop (Korean)

Chairperson(s)

Woo Kyoung Jeong (Samsung Medical Center, Korea)
Jung-Eun Cheon (Seoul National University Hospital,
Korea)

15:10-15:30 (WS01-S1)

Ultrasonography 연간 보고

Jung-Eun Cheon (Seoul National University Hospital,
Korea)

15:30-16:00 (WS01-S2)

국내 SCI 저널에서 세계 Top Tier 저널로의 부상: CMH 편집장
의 경험

Seung Up Kim (Severance Hospital, Korea)

16:00-16:30 (WS01-S3)

'Chat GPT 활용 연구'의 계획과 출판까지의 과정: 프론티어로서
의 여정

Jeonghyun Lee (Samsung Medical Center, Korea)

16:40-16:50

Break

GBR 101

16:50–18:00

Educative Course for Trainee 1

US-guided Procedure

Chairperson(s)

Bong Joo Kang (The Catholic University of Korea Seoul St. Mary's Hospital, Korea)

16:50–17:15 (ET01-S1)

Percutaneous Liver Biopsy

Hyeon Ji Jang (Asan Medical Center, Korea)

17:15–17:35 (ET01-S2)

Fusion Guidance for Liver Mass

Tae Wook Kang (Samsung Medical Center, Korea)

17:35–18:00 (ET01-S3)

Breast Biopsy and Vacuum-assisted Biopsy

Keum Won Kim (Konyang University Hospital, Korea)

GBR 102

16:50–18:00

Scientific Session 5 (MSK)

Chairperson(s)

Hye Won Chung (Asan Medical Center, Korea)
Sheen-Woo Lee (The Catholic University of Korea, Eunpyeong St. Mary's Hospital, Korea)

16:50–17:00 (SS05-P1)

Comparison of Calcification Between Calcific Tendinitis and Intrinsic Secondary Frozen Shoulder

Gi-Young Park (Daegu Catholic University Medical Center, Korea)

17:00–17:10 (SS05-P2)

The Effect of Shear Wave Elastography in the Diagnosis of Delaminated Partial-Thickness Rotator Cuff Tears

Chen Zhang (The Second Affiliated Hospital of Xi'an Jiaotong University, China)

17:10–17:20 (SS05-P3)

High-Frequency Ultrasound Combined with Shear Wave Elastography to Evaluate Abnormal Changes in the Heel in Patients with Type 2 Diabetes

Shengqiao Wang (Xinhua Hospital Affiliated to Shanghai Jiaotong University School of Medicine, China)

17:20–17:30 (SS05-P4)

Ultrasound Accuracy for Brachial Plexus Pathology

Stefanie Yip (Prince of Wales Hospital, Hong Kong, China)

17:30–17:40 (SS05-P5)

Dermatologic Reporting and Data System for Skin Lesions: A Stratification for Cancer Risk Based on HFUS and Clinical Features

Le-Hang Guo (Shanghai Tenth People's Hospital; Shanghai Engineering Research Center of Ultrasound Diagnosis and Treatment, School of Medicine, Tongji University, China)

17:40–17:50 (SS05-P6)

Development and Evaluation of Artificial Intelligence Models for Real-Time Automatic Detection of Shoulder Ultrasonography

Chenqian Guo (Institute of Ultrasound in Musculoskeletal Sports Medicine, Guangdong Second Provincial General Hospital, Guangzhou, China)

17:50–18:00 (SS05-P7)

Sonographic Follow-Up after Endoscopic Carpal Tunnel Release for Severe Carpal Tunnel Syndrome: A One-Year Neuroanatomical Prospective Observational Study

Miao Li (The Second Affiliated Hospital of Xi'an Jiaotong University, China)

GBR 103

16:50–18:00

Satellite Session: Bracco

The Key Role of CEUS (I)

Chairperson(s)

Joon-Il Choi (The Catholic University of Korea, Seoul St. Mary's Hospital, Korea)

17:00–17:25 (SA01-S1)

Benefits of CEUS Using SonoVue in HCC

Hyo-Jin Kang (Seoul National University Hospital, Korea)

17:25–17:45 (SA01-S2)

Vuebox in Liver Tumor

Dong Yi (Xinhua Hospital Affiliated to Shanghai Jiaotong University, China)

16:50-18:00

Symposium 4 (KISTIA)

Ethanol Ablation: Indication and Techniques

Chairperson(s)

Joon Hyung Lee (Inje University Haeundae Paik Hospital, Korea)

Jung Hee Shin (Samsung Medical Center, Korea)

16:50-17:10 (ST04-S1)

Ethanol Ablation of Benign Thyroid Nodule

Jin Yong Sung (Daerim St. Mary's Hospital, Korea)

17:10-17:30 (ST04-S2)

Ethanol Ablation of Thyroglossal Duct Cyst

Dongbin Ahn (Kyungpook National University, Korea)

17:30-18:00 (ST04-S3)

Ethanol Ablation of Cystic Neck Mass

Jeong Hyun Lee (Asan Medical Center, Korea)

Day 2 – May 10 (Fri)

GBR 101

07:50–08:20

Meet the Professor 6 (THY/HN)

RFA of Bethesda III and IV Thyroid Nodules

Chairperson(s)

Jeong Hyun Lee (Asan Medical Center, Korea)

07:50–08:20 (MP06–S1)

RFA of Bethesda III and IV Thyroid Nodules

Wei-Che Lin (Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Chinese Taipei)

GBR 103

07:50–08:20

Meet the Professor 7 (BR)

BI-RADS Update: Ultrasound

Chairperson(s)

Joo Hee Cha (Asan Medical Center, Korea)
Boo-Kyung Han (Samsung Medical Center, Korea)

07:50–08:20 (MP07–S1)

BI-RADS 6th Edition Ultrasound: Expanding Frontiers

Jessica Leung (MD Anderson Cancer Center, USA)

Room 201

07:50–08:20

Meet the Professor 8 (CV)

Contrast-enhanced Ultrasound in Vascular Disease

Chairperson(s)

Jongmin Lee (Kyungpook National University Hospital, Korea)

Eun Ju Chun (Seoul National University Bundang Hospital, Korea)

07:50–08:20 (MP08–S1)

Various Clinical Vascular Applications with Contrast-Enhanced Ultrasound: an Update

Dirk-André Clevert (Munich University Hospital, Germany)

08:20–08:30

Break

GBR 101

08:30–10:00

Joint Symposium with Vietnamese Society of Ultrasound in Medicine (VSUM)

Thyroid Malignancy: from Diagnosis to Treatment

Chairperson(s)

Jin Yong Sung (Daerim St. Mary's Hospital, Korea)
Cuong Tuan Nguyen (Medic Medical Center at Ho Chi Minh City, Vietnam)

08:30–08:50 (JSV–S1)

Value of Combination of Ultrasonography and Ultrasound-guided Fine Needle Aspiration Cytology in Diagnosing Thyroid Microcarcinoma

Cuong Tuan Nguyen (Medic Medical Center at Ho Chi Minh City, Vietnam)

08:50–09:15 (JSV–S2)

Core Needle Biopsy in Diagnosis of Thyroid Malignancy

Jae Ho Shin (Korea University Anam Hospital, Korea)

09:15-09:35 (JSV-S3)

Initial Efficacy of Radiofrequency Ablation for Papillary Thyroid Microcarcinoma in Vietnam
Thi My Le (Vinmec Times City Hospital, Vietnam)

09:35-10:00 (JSV-S4)

Case-based Approach of RFA for Recurrent Thyroid Cancer

Jung Hwan Baek (Asan Medical Center, Korea)

GBR 102

08:30-10:00

Special Focus Session 4 (ABD)

Steatosis of Liver and Pancreas

Chairperson(s)

Jhii-hyun Ahn (Wonju Severance Christian Hospital, Korea)

Jin-wong Kim (Chosun University Hospital, Korea)

08:30-08:50 (SF04-S1)

A New Definition for Metabolic Dysfunction-associated Fatty Liver Disease-Role of US and Elastography

Vincent Wai-Sun Wong (The Chinese University of Hong Kong, Hong Kong, China)

08:50-09:10 (SF04-S2)

Quantitative Evaluation of Hepatic Steatosis Using Advanced Imaging Techniques: Focusing on New Quantitative Ultrasound Techniques

Sun Kyung Jeon (Seoul National University Hospital, Korea)

09:10-09:30 (SF04-S3)

Noninvasive Assessment of Hepatic Steatosis: Other than Ultrasound Based Technique

Chul-min Lee (Hanyang University Medical Center, Korea)

09:30-09:50 (SF04-S4)

Hyperechoic Pancreas on US

Eun Sun Lee (Chung-Ang University Hospital, Korea)

GBR 103

08:30-10:00

Special Focus Session 5 (BR)

Harnessing the Potential of Automated Breast Ultrasound

Chairperson(s)

Jung Hyun Yoon (Severance Hospital, Korea)

Sung Hun Kim (The Catholic University of Korea, Seoul St. Mary's Hospital, Korea)

08:30-09:00 (SF05-S1)

Clinical Experience and Optimization of Automated Breast Ultrasound

Yi-Hong Chou (National Yang Ming University School of Medicine, Chinese Taipei)

09:00-09:30 (SF05-S2)

Challenges and Lessons: Automated Breast Ultrasound in Breast Cancer Detection

Sun Mi Kim (Seoul National University Bundang Hospital, Korea)

09:30-10:00 (SF05-S3)

Maximizing Efficiency of Automated Breast Ultrasound in Clinical Practice

Si Eun Lee (Yongin Severance Hospital, Korea)

Room 201

08:30-10:00

Special Focus Session 6 (CV)

Clinical Utility of Ultrasound Examination of Peripheral Vessels

Chairperson(s)

Whal Lee (Seoul National University Hospital, Korea)

Bae Young Lee (The Catholic University of Korea, Eunpyeong St. Mary's Hospital, Korea)

08:30-09:00 (SF06-S1)

Ultrasonographic Evaluation of Peripheral Artery Disease: Comparison with CT

Ki Suk Choo (Pusan National University Yangsan Hospital, Korea)

09:00-09:30 (SF06-S2)

Diagnosis and Treatment of Varicosities with US: Tip for Radiologists

Yong Wonn Kwon (Cheil Orthopedic Hospital, Korea)

09:30-10:00 (SF06-S3)

Role of Ultrasound for Evaluation of Femoral Puncture-related Complication

Jin Ho Hwang (Konkuk University Medical Center, Korea)

Room 202

08:30-10:00

Categorical Course 7 (PED)

Neonatal Neuroimaging

Chairperson(s)

Hee Jung Lee (Keimyung University Dongsan Hospital, Korea)
Young Ah Cho (Asan Medical Center, Korea)

08:30-08:50 (CC07-S1)

Brain US: Congenital Lesions

Jae-Yeon Hwang (Seoul National University Hospital, Korea)

08:50-09:10 (CC07-S2)

Brain US: Acquired Lesions

Gayoung Choi (Korea University Ansan Hospital, Korea)

09:10-09:30 (CC07-S3)

Spine US in Neonates

Haesung Yoon (Severance Hospital, Korea)

09:30-09:50 (CC07-S4)

Neck US in Neonates

Jisun Hwang (Ajou University Hospital, Korea)

10:00-10:20

Coffee Break

GBR 101

10:20-11:50

Symposium 5 (KISTIA)

Principles and Updates in Parathyroid Imaging and Intervention

Chairperson(s)

Young Hen Lee (Korea University Ansan Hospital, Korea)
Hyun Kyung Lim (Soonchunhyang University Seoul Hospital, Korea)

10:20-10:40 (ST05-S1)

US of Normal Parathyroid

Dong Gyu Na (GangNeung Asan Hospital, Korea)

10:40-11:00 (ST05-S2)

Parathyroid 4D CT: Principle and Interpretation

Young Jun Choi (Asan Medical Center, Korea)

11:00-11:20 (ST05-S3)

Choline PET/CT in Parathyroid Imaging

Hongyoon Choi (Seoul National University Hospital, Korea)

11:20-11:40 (ST05-S4)

Minimally Invasive Treatment for Parathyroid Lesions

Chengzhong Peng (Shanghai Tenth People's Hospital, School of Medicine, Tongji University, China)

GBR 102

10:20-11:50

Categorical Course 8 (ABD)

Follow-up and Management Guidelines of US Detected Lesion

Chairperson(s)

Young Hwan Lee (Wonkwang University Hospital, Korea)
Jung-hee Yoon (Inje University Haeundae Paik Hospital, Korea)

10:20-10:40 (CC08-S1)

Clinical Practice Guidelines for the Management of Cystic Liver Disease

Young Seo Cho (Hanyang University Medical Center, Korea)

10:40-11:00 (CC08-S2)

Clinical Practice Guidelines for the Management of GB Polyp

Sunyoung Lee (Severance Hospital, Korea)

11:00-11:20 (CC08-S3)

Clinical Practice Guidelines for the Management of Pancreatic Cystic Neoplasm

Seo-Youn Choi (Samsung Medical Center, Korea)

11:20-11:40 (CC08-S4)

EUS-based Approach in the Diagnosis and Treatment for Pancreatic Cystic Lesion

Sang Hyub Lee (Seoul National University Hospital, Korea)

GBR 103

10:20-11:50

Hot Issue 1 (BR)

Tailoring Axillary Management in Breast Cancer Patients

Chairperson(s)

Eun Young Ko (Samsung Medical Center, Korea)
Ok Hee Woo (Korea University Guro Hospital, Korea)

10:20-10:50 (HI01-S1)

US Evaluation of Axillary LN in Breast Cancer Patients: Lessons from NAUTILUS

Jung Min Chang (Seoul National University Hospital, Korea)

10:50-11:20 (HI01-S2)

Imaging and Localization of the Axilla after Neoadjuvant Chemotherapy

Jessica Leung (MD Anderson Cancer Center, USA)

11:20-11:50 (HI01-S3)

Management of the Axilla after Neoadjuvant Chemotherapy: ASLAN Trial

Jai Min Ryu (Samsung Medical Center, Korea)

Room 201

10:20-11:50

Scientific Session 6 (CV)

Chairperson(s)

Sung Min Ko (Wonju Severance Christian Hospital, Korea)
Eun-ah Park (Seoul National University Hospital, Korea)

10:20-10:30 (SS06-P1)

Compression Elastography in the Assessment of Qualitative Features of Unstable Atherosclerotic Plaque in the Carotid Arteries.

Aziza Almanova (Republican Specialized Scientific and Practical Medical Center of Cardiology, Uzbekistan)

10:30-10:40 (SS06-P2)

Assessing Peripheral Arterial Disease in Lower Limbs through Radiomics.

Sudhanshu Tonpe (Datta Meghe Institute of Higher Education & Research, India)

10:40-10:50 (SS06-P3)

The Role of Ultrasonography in Diagnosis of Persistent Sciatic Artery

Shuqian Zhang (Qilu Hospital Of Shandong University, China)

10:50-11:00 (SS06-P4)

The Value of Quantitative Contrast-Enhanced Ultrasonography Analysis in Evaluating Central Retinal Artery Microcirculation in Patients with Diabetes Mellitus: Comparison with Color Doppler Imaging

Yan Xu (Medical Imaging Center, Affiliated Hospital of Yangzhou University, Yangzhou University, China)

11:00-11:10 (SS06-P5)

Single-Plane Versus Real-Time Biplane Approaches for Ultrasound-Guided Central Venous Catheterization in Critical Care Patients: A Randomized Controlled Trial

Yingying Li (First Medical Center of Chinese PLA General Hospital, China)

11:10-11:20 (SS06-P6)

B-Mode Ultrasound Related Combined Predictive Indicators for Benign Versus Malignant Subpleural Pulmonary Lesions

Mengjun Shen (Shanghai Pulmonary Hospital, China)

11:20-11:30 (SS06-P7)

Diagnostic Success Rate of Ultrasound-Guided Tru-Cut Biopsy in Identifying Peripheral Lung Lesions

Sudhanshu Tonpe (Datta Meghe Institute of Higher Education & Research, India)

11:30-11:40 (SS06-P8)

The Value of Diaphragm Thickening Fraction Rapid Shallow Breathing Index Combined with Pulmonary Ultrasound Score on Prediction of Weaning Outcome of Mechanical Ventilation in Critically Ill Patients

Qian Zhou (Nanjing Drum Tower Hospital, China)

11:40-11:50 (SS06-P9)

Ultrasound-Guided Needle Biopsy of Subpleural Lung Lesions: Analysis of Clinical Manifestations and Ultrasound Signs of 7 Cases of Pulmonary Schwannoma

Jixin Shu (Shanghai Pulmonary Hospital, China)

Room 202

10:20-11:50

Scientific Session 7 (PED)**Chairperson(s)**

Yun-Woo Chang (Soon Chun Hyang University Seoul Hospital, Korea)

Jae-Yeon Hwang (Seoul National University Hospital, Korea)

10:20-10:30 (SS07-P1)

The Value of Superb Microvascular Imaging for Quantitative Assessment of the Neonatal Brain

Lei Liu (Shenzhen Children's Hospital, China)

10:30-10:40 (SS07-P2)

Multivariable Regression Analysis of Multimodal Ultrasound Scatterer Distribution Imaging for Assessing Pediatric Hepatic Steatosis Using Low-Frequency Ultrasound: A Comparison with MRI-PDFF

Chiao-Shan Hsieh (Chang Gung University, Chinese Taipei)

10:40-10:50 (SS07-P3)

Prediction of Vascular Complications after Liver Transplantation in Pediatric Patients Using Shear Wave Elastography

Jisoo Kim (Severance Hospital, Korea)

10:50-11:00 (SS07-P4)

Using Portal Vein Velocity and Diameter for Predicting Long-Term Portal Vein Stenosis in Post-Liver Transplant Biliary Atresia Patients

Hyun Ji Lim (Severance Hospital, Korea)

11:00-11:10 (SS07-P5)

Two-Dimensional Elastography and Dispersion Slope for Detection of Allograft Damage after Pediatric Liver Transplantation Using Left Lobe or Left Lateral Section Grafts

Pyeong Hwa Kim (Asan Medical Center, Korea)

11:10-11:20 (SS07-P6)

Efficacy of Breath-Hold Versus Free-Breathing Protocols in Shear Wave Elastography and Shear Wave Dispersion for the Assessment of Nonalcoholic Fatty Liver Disease in Pediatric Populations

Chanyoung Rhee (Seoul National University Hospital, Korea)

11:20-11:30 (SS07-P7)

Ultrasound Scoring Systems for Assessing Perianal Fistulas in Pediatric Patients with Crohn's Disease: A Feasibility Study

Pyeong Hwa Kim (Asan Medical Center, Korea)

11:30-11:40 (SS07-P8)

Diagnostic Performance of Ultrasound-Guided Water Enema in the Detection of Juvenile Polyps in Children

Tong Wang (Shenzhen Children's Hospital, China)

11:40-11:50 (SS07-P9)

Contrast-Enhanced US Versus US-Guided Biopsy for Abdominal and Pelvic Neoplasm in Pediatric Patients: A Propensity Score Matching Study

Ming Liu (The First Affiliated Hospital of Sun Yat-sen University, Institute of Diagnostic and Interventional Ultrasound, Sun Yat-sen University, China)

11:50-12:00

Break

GBR 102

12:00–13:00

Luncheon Symposium 3 (Canon Medical Systems Korea)

Insight for Abdominal US with Attenuation Image, CEUS

Chairperson(s)

Byung Ihn Choi (Chung-Ang University Hospital, Korea)

12:00–12:30 (LS03–S1)

**US-based Fat Quantification Using Attenuation
Imaging: Where We Are?**

Dongho Lee (Seoul National University Hospital, Korea)

12:30–13:00 (LS03–S2)

**Exploring CEUS: Advancements in Ultrasound
Imaging**

Jeongin Yoo (Seoul National University Hospital, Korea)

Room 202

12:00–13:00

Luncheon Symposium 5 (Samsung Medison)

Samsung's Innovation for Ultrasound

Chairperson(s)

Eun Kyung Kim (Yongin Severance Hospital, Korea)

12:00–12:30 (LS05–S1)

**Initial Experience Using "Live BreastAssist":
Incorporation into Routine Clinical Practice**
Adrian K. Lim (Imperial College London and Healthcare
NHS Trust, UK)

12:30–13:00 (LS05–S2)

**Early Experience of Real-Time Tele-mentored
Echocardiography in Resource-limited Situation**
Seong Woo Han (Hallym University Dongtan Sacred
Heart Hospital, Korea)

Room 201

12:00–13:00

Luncheon Symposium 4 (GE Healthcare Korea)

Care That Has No Limits for Ultrasound

Chairperson(s)

Woo Kyoung Jeong (Samsung Medical Center, Korea)

12:00–12:30 (LS04–S1)

**Future of AI and Digital Solutions in Radiology
Ultrasound**

Sally Lee (GE HealthCare, Korea)

12:30–13:00 (LS04–S2)

Ultrasound Contrast in a Global Perspective

Anders Sjöström (GE HealthCare, Sweden)

13:00–13:20

Coffee Break

GBR 103

13:20–14:30

Jisan Lecture

Chairperson(s)

Jae-Joon Chung (Gangnam Severance Hospital, Korea)

13:20–13:50 (JSL–S1)

**Simultaneous and Multimodality Imaging of US and
MR**

Iwaki Akiyama (Doshisha University, Japan)

13:50–14:20 (JSL–S2)

Overview in AI Applications to US Imaging
Won Jae Lee (Sungkyunkwan University School of
Medicine, Korea)

14:30–14:50

Coffee Break

GBR 101

14:50-16:20

Special Focus Session 7 (PHY)

Chairperson(s)

Dong-Guk Pang (Jeju National University, Korea)
Chulhong Kim (POSTECH, Korea)

14:50-15:20 (SF07-S1)

Reflected Shear Wave Computed Tomography (R-SWCT): A New Approach for Mechanobiology
Pai-Chi Li (National Taiwan University, Chinese Taipei)

15:20-15:50 (SF07-S2)

High-Resolution Ultrasound Imaging: Novel High-Frequency Ultrasound Transducer and System
Weibao Qiu (Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China)

15:50-16:20 (SF07-S3)

Acoustoelectric Imaging for Noninvasive Mapping of Biological Current Source Densities
Jinbum Kang (The Catholic University of Korea, Korea)

GBR 102

14:50-16:20

AI Workshop (AI)

The Cutting Edge of Ultrasound AI

Chairperson(s)

Young H. Kim (University of Massachusetts Medical School, USA)
Woo Kyung Jeong (Samsung Medical Center, Korea)

14:50-15:20 (AI-S1)

Application of Deep Learning in MSK Ultrasound Experience Sharing
Chueh-Hung Wu (National Taiwan University Hospital, Chinese Taipei)

15:20-15:50 (AI-S2)

AI Development and Application in Breast and Thyroid Ultrasound
Won Hwa Kim (Kyungpook National University Chilgok Hospital, Korea)

15:50-16:20 (AI-S3)

AI-Driven Vision Analysis and Large Language Models for Clinical Ultrasound
Young H. Kim (University of Massachusetts Medical School, USA)

GBR 103

14:50-16:20

Symposium 6 (KISTIA)

Management for Papillary Thyroid Microcarcinoma: Active Surveillance to RFA

Chairperson(s)

Dong Gyu Na (GangNeung Asan Hospital, Korea)
Jung Hwan Baek (Asan Medical Center, Korea)

14:50-15:20 (ST06-S1)

KSThR Imaging Recommendation Statement for AS of Low-Risk Thyroid Cancer
Ji Ye Lee (Seoul National University Hospital, Korea)

15:20-15:50 (ST06-S2)

Indication and Technique of RFA for PTMC: Korean Experience
Ji-hoon Kim (Seoul National University Hospital, Korea)

15:50-16:20 (ST06-S3)

RFA of PTMC: Chinese Experience
Ming An Yu (China-Japan Friendship Hospital, China)

Room 201

14:50-16:20

Policies and Issues in KSUM (Korean)

Chairperson(s)

Sung Il Jung (Konkuk University Medical Center, Korea)
Chang Ho Jeon (The Catholic University of Korea, Eunpyeong St. Mary's Hospital, Korea)

14:50-15:20 (Policy-S1)

전공의 교육과정 개편(RCEP)에 따른 KSUM 전공의 교육프로그램 개선방안
You Me Kim (Dankook University Hospital, Korea)

15:20-15:50 (Policy-S2)

초음파 검사자와 관련된 법률적 해석 정리: 의사 외 초음파 검사자를 어느 범위까지 인정할 수 있는가?
Hong Eo (Samsung Medical Center, Korea)

16:20-16:30

Break

16:30–18:00

Scientific Session 8 (PHY)**Chairperson(s)**

Jinhyoung Park (Sungkyunkwan University, Korea)

Yangmo Yoo (Sogang University, Korea)

16:30–16:40 (SS08–P1)**Performance of ChatGPT and Other Large Language Model on Japanese Sonographer Certification Examination Question Bank***Norio Nakata (The Jikei University, School of Medicine, Japan)***16:40–16:50 (SS08–P2)****Simplified Feature Set–Based Radiomics of Multimodal Quantitative Ultrasound Envelope Statistics Imaging for Assessing Ambulatory Function in Duchenne Muscular Dystrophy***Ya Wen Chuang (College of Engineering, Chang Gung University, Chinese Taipei)***16:50–17:00 (SS08–P3)****Data Size Reduction Technique for Ultrafast Imaging: Combining Ultrasound Localization Microscopy with Sub-Nyquist Sampling***Hyojin Seong (DGIST, Korea)***17:00–17:10 (SS08–P4)****An Unsupervised Deep Neural Network for Reverberation Artifact Reduction***Hyunwoo Cho (Sogang University, Korea)***17:10–17:20 (SS08–P5)****Adaptive Quantization for Real-Time Utilization of Ultrafast Ultrasound Imaging***Doyoung Jang (Dankook University, Korea)***17:20–17:30 (SS08–P6)****Complete Diphallia, Complete Duplicate Bladder, Bladder Exstrophy-Epispadias Complex, and Anorectal Congenital Malformation in a Child***Huiyong Hu (Shanghai Children's Hospital, Shanghai Jiao Tong University, School of Medicine, China)*

16:30–18:00

Interactive Case Review

Day 3 – May 11 (Sat)

GBR 102

07:50–08:20

Meet the Professor 9 (PED)

Chairperson(s)

Byoung Hee Han (GangNeung Asan Hospital, Korea)
Jung-Eun Cheon (Seoul National University Hospital, Korea)

07:50–08:20 (MP09-S1)

Renal Ultrasound in Children

Harriet Paltiel (Boston Children's Hospital, USA)

GBR 103

07:50–08:20

Meet the Professor 10 (ABD)

Chairperson(s)

Dal Mo Yang (Kyung Hee University Hospital at Gangdong, Korea)

07:50–08:20 (MP10-S1)

Ultrasound-guided Liver Ablation: Basic Beyond Novel

Hyunchul Rhim (Samsung Medical Center, Korea)

08:20–08:30

Break

GBR 101

08:30–10:00

Categorical Course 9 (BR)

Enhancing Performance of US

Chairperson(s)

Bong Joo Kang (The Catholic University of Korea, Seoul St. Mary's Hospital, Korea)
You Me Kim (Dankook University Hospital, Korea)

08:30–09:00 (CC09-S1)

Breast US for Symptomatic Women

Na Lae Eun (Gangnam Severance Hospital, Korea)

09:00–09:30 (CC09-S2)

US-guided Procedure: A to Z

Jin Chung (Ewha Womans University Mokdong Hospital, Korea)

09:30–10:00 (CC09-S3)

Breast US after Oncoplastic Surgery

Jeongmin Lee (Samsung Medical Center, Korea)

GBR 102

08:30–10:00

Special Focus Session 8 (PED)

Prenatal-postnatal Imaging for Congenital GU Disease

Chairperson(s)

Harriet Paltiel (Boston Children's Hospital, USA)
Bo-Kyung Je (Korea University Ansan Hospital, Korea)

08:30–08:55 (SF08-S1)

Fetal Ultrasound Findings of GU Lesions

Kowk Yin Leung (The University of Hong Kong, Hong Kong, China)

08:55–09:20 (SF08-S2)

Postnatal GU Imaging

Ji Eun Park (Samsung Medical Center, Korea)

09:20–09:45 (SF08-S3)

Surgical Consideration for Congenital GU Lesions

Yong Seung Lee (Severance Hospital, Korea)

GBR 103

08:30-10:00

Joint Symposium with Mongolian Society of Diagnostic Ultrasound (MSDU)

Chairperson(s)

Erdenebileg Bavuujav (First Central Hospital of Mongolia, Mongolia)
Young Jun Kim (Konkuk University Medical Center, Korea)

08:30-08:50 (JSM-S1)

US Diagnosis and Treatment of Hydatid Cyst
Buyanjargal Shagdarsuren (State Central Hospital, Mongolia)

08:50-09:15 (JSM-S2)

US and Multimodality Diagnosis for Hepatic Cystic Lesions
Mimi Kim (Hanyang University Medical Center, Korea)

09:15-09:35 (JSM-S3)

RFA for Hepatic Malignancy in Mongolia: Introduction and Current Status
Urnultsaikhan Ganbold (First Central Hospital of Mongolia, Mongolia)

09:35-10:00 (JSM-S4)

Troubleshooting for Difficult Cases of Liver RFA
Min Woo Lee (Samsung Medical Center, Korea)

Room 202

08:30-10:00

CEUS Workshop 2

Recent Research Works of CEUS in AFSUMB

Chairperson(s)

Byung Ihn Choi (Chung-Ang University Hospital, Korea)
Yi-Hong Chou (National Yang Ming University School of Medicine, Chinese Taipei)

08:30-08:50 (CW2-S1)

Usefulness of Washout Parametric Imaging Using Sonazoid for the Diagnosis of Liver Nodule
Katsutoshi Sugimoto (Tokyo Medical University, Japan)

08:50-09:10 (CW2-S2)

A Multi-Parameter Intrahepatic Cholangiocarcinoma Scoring System Based on Modified Contrast-enhanced Ultrasound LI-RADS M Criteria for Differentiating Intrahepatic Cholangiocarcinoma from Hepatocellular Carcinoma
Hui Xiong Xu (Zhongshan Hospital, Fudan University, China)

09:10-09:30 (CW2-S3)

Usage of Contrast-enhanced Ultrasound during Targeted Prostate Biopsy
Hsin-Kai Wang (Taipei Veterans General Hospital, Chinese Taipei)

09:30-09:50 (CW2-S4)

The Role of CEUS in Diagnosing HCC
Hyo-Jin Kang (Seoul National University Hospital, Korea)

Room 203

08:30-10:00

Hands-on Session 1 (GU)

08:30-08:50 (HS01-S1)

MR-US Fusion Technique (Electromagnetic) for Prostate Biopsy
Myoungseok Lee (Seoul National University Boramae Medical Center, Korea)

10:00-10:20

Coffee Break

GBR 101

10:20–11:50

Scientific Session 9 (BR)

Chairperson(s)

Nariya Cho (Seoul National University Hospital, Korea)
Hye Won Kim (Wonkwang University Hospital, Korea)

10:20–10:30 (SS09-P1)

Optimizing the Peritumoral Region Size in Radiomics Analysis for Ki-67 Status Prediction in Breast Cancer

Zhibin Huang (The Second Clinical Medical College, Jinan University (Shenzhen People's Hospital), Shenzhen, China)

10:30–10:40 (SS09-P2)

Nomogram Based on Multiparameter Ultrasound Features for Predicting Malignant Breast Non-Mass Lesions: A Single Center Study

Lifang Yu (Hangzhou First People's Hospital, China)

10:40–10:50 (SS09-P3)

Microwave Ablation Versus Breast-Conserving Surgery for Breast Cancer 3cm or Smaller: A Multicenter Retrospective Study

Yuqing Dai (Chinese PLA General Hospital, China)

10:50–11:00 (SS09-P4)

Does the Coronal Plane Contribute to Diagnostic Performance of the Transverse Plane in Screening Automated Breast US?

Wang Yin (Xi'an Daxing Hospital, China)

11:00–11:10 (SS09-P5)

An Innovative Technique Using Discrete Multi-Wavelength Near Infra-Red Spectroscopy Diffuse Optical Imaging to Differentiate Breast Lesions in Fast Scans: A Feasibility Study

Jiyoung Yoon (Severance Hospital, Korea)

11:10–11:20 (SS09-P6)

Assessing Breast Tumor Oxygen Levels Using Photoacoustic Imaging: Differentiating Benign from Malignant Lesions

Zhibin Huang (The Second Clinical Medical College, Jinan University (Shenzhen People's Hospital), Shenzhen, China)

11:20–11:30 (SS09-P7)

Optimizing Breast Cancer Diagnosis with Photoacoustic Imaging: An Analysis of Intratumoral and Peritumoral Radiomics

Fajin Dong (The Second Clinical Medical College, Jinan University (Shenzhen People's Hospital), Shenzhen, China)

11:30–11:40 (SS09-P8)

Machine Learning-Based Photoacoustic/ Ultrasound Radiomics Models for Differentiating Benign and Malignant Breast Tumors

Sijie Mo (Shenzhen People's Hospital, China)

11:40–11:50 (SS09-P9)

The Post-Vascular Phase of Contrast-Enhanced Ultrasound Predicts Lymph Node Metastasis of Breast Cancer: A New Finding

Ligang Cui (Peking University Third Hospital, China)

GBR 102

10:20–11:50

Hot Issue 2 (PED)

Thyroid US from Adults to Children

Chairperson(s)

Gye Yeon Lim (The Catholic University of Korea, Yeouido St. Mary's Hospital, Korea)
Ah Young Jung (Asan Medical Center, Korea)

10:20–10:45 (HI02-S1)

TI-RADS in Adults

Miribi Rho (Severance Hospital, Korea)

10:45–11:10 (HI02-S2)

Application of TI-RADS for Children

Pyeong Hwa Kim (Asan Medical Center, Korea)

11:10–11:35 (HI02-S3)

Imaging of Diffuse Thyroid Disease

Sookmin Hwang (Hallym University Kangnam Sacred Heart Hospital, Korea)

GBR 103

10:20–11:50

Innovative Techniques in US-guided Ablation (collaborative with KSITA)

Chairperson(s)

Dong Jin Chung (The Catholic University of Korea, Yeouido St. Mary's Hospital, Korea)

Jae Woong Choi (Korea University Guro Hospital, Korea)

10:20–10:45 (ITA01–S1)

Challenging Precise Ablation: US-US Overlay Fusion Guidance

Yasunori Minami (Kindai University, Japan)

10:45–11:10 (ITA01–S2)

The Entire Process of Three-dimensional Fusion Ultrasound Assisted Ablation

Xiaoyan Xie (First Affiliated Hospital, Sun Yat-sen University, China)

11:10–11:30 (ITA01–S3)

US Guided Cryoablation for Liver Tumors

Seungchul Han (Samsung Medical Center, Korea)

11:30–11:50 (ITA01–S4)

Beyond Traditional Therapies: No-Touch Ablation as a Game-Changer in Liver Cancer

Jeong Min Lee (Seoul National University Hospital, Korea)

Room 201

10:20–11:50

Educative Course for Trainee 2

Doppler

Chairperson(s)

Moon Hyung Choi (The Catholic University of Korea, Eunpyeong St. Mary's Hospital, Korea)

10:20–10:50 (ET02–S1)

Extremity Doppler

Yoonseong Lee (Seoul National University Hospital, Korea)

10:50–11:20 (ET02–S2)

Liver Doppler

Yoon Jin Lee (Seoul National University Bundang Hospital, Korea)

11:20–11:50 (ET02–S3)

Kidney Doppler

Taek Min Kim (Seoul National University Hospital, Korea)

Room 202

10:20–11:50

CEUS Workshop 3

Reviving ACUCI: How to Promote CEUS in Real Practice

Chairperson(s)

Jae Young Lee (Seoul National University Hospital, Korea)

Katsutoshi Sugimoto (Tokyo Medical University, Japan)

10:20–10:40 (CW3–S1)

CEUS Utilization in Practice and Future Perspectives: Korea

Woo Kyoung Jeong (Samsung Medical Center, Korea)

10:40–11:00 (CW3–S2)

CEUS Utilization in Practice and Future Perspectives: China

Qiang Lu (West China Hospital, Sichuan University, China)

11:00–11:20 (CW3–S3)

CEUS Utilization in Practice and Future Perspectives: Japan

Katsutoshi Sugimoto (Tokyo Medical University, Japan)

11:20–11:40 (CW3–S4)

CEUS Utilization in Practice and Future Perspectives: Chinese Taipei

Hsin-Kai Wang (Taipei Veterans General Hospital, Chinese Taipei)

Room 203

10:20–11:50

Hands-on Session 2 (THY/HN)

10:20–10:40 (HS02–S1)

Learning Thyroid Ablation from the Top

Jung Hwan Baek (Asan Medical Center, Korea)

11:50–12:00

Break

GBR 102

12:00–13:00

Luncheon Symposium 6 (KSUM)

Shaping the Future with Ultrasound:
How will US Technology Change in
the Future?

Chairperson(s)

Woo Kyoung Jeong (Samsung Medical Center, Korea)

12:00–12:10 (LS06–S1)

GE Healthcare Korea

12:10–12:20 (LS06–S2)

Canon Medical Systems Korea

12:20–12:30 (LS06–S3)

Samsung Medison

12:30–12:40 (LS06–S4)

PHILLIPS

12:40–12:50 (LS06–S5)

Siemens Healthineers

GBR 103

12:00–13:00

Luncheon Symposium 7 (Bracco)

The Key Role of CEUS (II)

Chairperson(s)

Jeong Min Lee (Seoul National University Hospital, Korea)

12:05–12:30 (LS07–S1)

Safety of CEUS

Haesung Yoon (Severance Hospital, Korea)

12:30–12:55 (LS07–S2)

Clinical Application of Intra-operative Liver Surgery

Qiang Lu (West China Hospital, Sichuan University, China)

13:00–13:20

Coffee Break

GBR 101

13:20–14:50

Categorical Course 10 (OBYG)

Perspectives for the Fetus:
Comprehensive Insights through
Fetal US

Chairperson(s)

Sung Il Jung (Konkuk University Medical Center, Korea)
Musarrat Hasan (Institute of Ultrasound Imaging, Pakistan)

13:20–13:50 (CC10–S1)

Fetal CNS Ultrasonographic Examination

Ching-Chang Hsieh (National Taiwan University Hospital, Chinese Taipei)

13:50–14:20 (CC10–S2)

Fetal Musculoskeletal Ultrasonographic Examination

Sudheer Gokhale (Gokhale Sonography Clinic, India)

14:20-14:50 (CC10-S3)

Fetal Chest and Abdominal Ultrasonographic Examination

Kowk Yin Leung (The University of Hong Kong, Hong Kong, China)

GBR 102

13:20-14:50

SWE/Attenuation Imaging Workshop 1

Chairperson(s)

Yun-Woo Chang (Soon Chun Hyang University Seoul Hospital, Korea)

Ji Hyun Youk (Gangnam Severance Hospital, Korea)

13:20-13:45 (SIW01-S1)

Clinical Viewpoint of Hepatic Fibrosis in Children

Yun Koo Kang (Wonju Severance Christian Hospital, Korea)

13:45-14:10 (SIW01-S2)

Technical Viewpoint of Shear Wave Elastography

So Yeon Kim (Asan Medical Center, Korea)

14:10-14:30 (SIW01-S3)

Clinical Application of SWE in Pediatric Liver Imaging

Mi-Jung Lee (Severance Hospital, Korea)

14:30-14:50 (SIW01-S4)

Clinical Application of SWE in Breast Imaging

Hee Jeong Kim (Asan Medical Center, Korea)

GBR 103

13:20-14:50

Scientific Session 10 (ABD)

Chairperson(s)

Kyung Seung Oh (Kosin University Gospel Hospital, Korea)

Jung Hoon Kim (Seoul National University Hospital, Korea)

13:20-13:30 (SS10-P1)

Development and Validation of a Nomogram Model Based on Pre-Contrast and Contrast-Enhanced Ultrasound to Predict the Efficacy of Neoadjuvant Chemotherapy in Patients with Borderline Resectable or Locally Advanced Pancreatic Cancer

Xiaoyi Yan (Peking Union Medical College Hospital, Peking Union Medical College, Chinese Academy of Medical Sciences, Beijing, China)

13:30-13:40 (SS10-P2)

Diagnostic Performance of CEUS LI-RADS Versus Modified CEUS LI-RADS with Perfluorobutane Contrast Agent in High-Risk Hepatocellular Carcinoma Patients: A Systematic Review and Network Meta-Analysis

Jianing Zhu (The Second Affiliated Hospital of Zhejiang University School of Medicine, China)

13:40-13:50 (SS10-P3)

Predicting Postoperative Pancreas Fistula Using Pancreatic 2D-SWE Measurement: A Prospective Study

Jiayao Huang (Sun Yat-sen University First Affiliated Hospital, China)

13:50-14:00 (SS10-P4)

Deep Learning Approach for Liver Fibrosis Prediction Using Reconstructed Microvascular Structure Images Visualized by Micro B-Flow

Naohisa Kamiyama (GE HealthCare Japan, Japan)

14:00-14:10 (SS10-P5)

Comparing the Diagnostic and Grading Accuracy of UDFF, CAP, and HRR for MAFLD Fatty Liver Using PDFF as the Standard

Pingping Wang (Zhongda Hospital of Southeast University, China)

14:10-14:20 (SS10-P6)

Clinical Applicability and Feasibility Analysis of Novel Ultrasound-Derived Fat Fraction: A Multicenter Study Design

Haohao Yin (Zhongshan Hospital Fudan University, China)

14:20-14:30 (SS10-P7)

Preliminary Study on Diagnosis of Gallbladder Neoplastic Polyps Based on Contrast-Enhanced Ultrasound Radiomics Combined with Gray Scale Ultrasound

Zhengyi Qin (Tianjin Third Central Hospital, China)

14:30-14:40 (SS10-P8)

A Better Choose of Ultrasound Scoring Systems in Crohn's Disease

Jing Qin (Peking Union Medical College Hospital, Chinese Academy of Medical Sciences, China)

14:40-14:50 (SS10-P9)

Investigation of Utility of ACE (Adaptive Contrast Enhancement): Adaptive Noise Suppression Filter for Improving B-mode Image Quality

Takuma Oguri (Ultrasound General Imaging and Primary Care, GE HealthCare, Japan)

Room 201

13:20-14:50

KSUM Young Investigator Award Session

Chairperson(s)

Woo Kyoung Jeong (Samsung Medical Center, Korea)
Dal Mo Yang (Kyung Hee University Hospital at Gangdong, Korea)

13:20-13:30 (YIA-S1)

An Innovative Technique Using Discrete Multi-Wavelength Near Infra-Red Spectroscopy Diffuse Optical Imaging to Differentiate Breast Lesions in Fast Scans: A Feasibility Study

Jiyoung Yoon (Severance Hospital)

13:30-13:40 (YIA-S2)

Dermatologic Reporting and Data System for Skin Lesions: A Stratification for Cancer Risk Based on HFUS and Clinical Features

Le-Hang Guo (Shanghai Tenth People's Hospital, China)

13:40-13:50 (YIA-S3)

Radiofrequency Ablation for Active Surveillance-Eligible, Non-Elderly Patients with Low Risk PTMC

Ji Ye Lee (Seoul National University Hospital, Korea)

13:50-14:00 (YIA-S4)

Histotripsy of the Ureter and Renal Pelvis in a Porcine Survival Model

Adrienne Kisting (University of Wisconsin-Madison, USA)

14:00-14:10 (YIA-S5)

B-Mode Ultrasound Related Combined Predictive Indicators for Benign Versus Malignant Subpleural Pulmonary Lesions

Mengjun Shen (Shanghai Pulmonary Hospital, China)

14:10-14:20 (YIA-S6)

Prediction of Vascular Complications after Liver Transplantation in Pediatric Patients Using Shear Wave Elastography

Jisoo Kim (Severance Hospital, Korea)

14:20-14:30 (YIA-S7)

Data Size Reduction Technique for Ultrafast Imaging: Combining Ultrasound Localization Microscopy with Sub-Nyquist Sampling

Hyojin Seong (DGIST, Korea)

14:30-14:40 (YIA-S8)

Machine Learning-Driven Assessment of Bladder Wall Vascularity for Early Detection of Interstitial Cystitis

Rifaldy Fajar (Karlstad University, Sweden)

Room 202

13:20-14:50

Scientific Session 11 (THY/HN)

Chairperson(s)

Jung Hyun Yoon (Severance Hospital, Korea)
Yoon Jung Choi (Kangbuk Samsung Hospital, Korea)

13:20-13:30 (SS11-P1)

Prediction of BRAF V600E and TERT Promoter Mutations Status in Papillary Thyroid Carcinomas by Machine Learning-Based Ultrasound Radiomics Approaches: A Multicenter Study

Hui Shi (Tenth People's Hospital Affiliated to Tongji University, China)

13:30-13:40 (SS11-P2)

How to Choose an Indication for Core Needle Biopsy among Low Suspicion Thyroid Nodules on Ultrasound

Myoung Kyoung Kim (Samsung Medical Center, Korea)

13:40-13:50 (SS11-P3)

Inconclusive Cytology Results of Fine-Needle Aspiration for Thyroid Nodules: the Gravity of Strict Guideline Implementation

Sangwoo Cho (Yonsei University College of Medicine, Korea)

13:50-14:00 (SS11-P4)

Growth Rate of Ultrasonographic Low Suspicion Thyroid Nodules (K-TIRADS 3)

Myoung Kyoung Kim (Samsung Medical Center, Korea)

14:00-14:10 (SS11-P5)

Ultrasound-Guided Percutaneous Thrombin Injection for Pseudoaneurysms Occurring Post Ultrasound-Guided Thyroid Biopsy

Taehyuk Ham (Seoul National University Hospital, Korea)

14:10-14:20 (SS11-P6)

Incidence of Complications in the Chemical and Thermal Ablations for Parathyroid Lesions: Systematic Review and Meta-Analysis

So Yeong Jeong (Seoul National University Bundang Hospital, Korea)

14:20-14:30 (SS11-P7)

Ten-Year Outcomes of Radiofrequency Ablation for Locally Recurrent Papillary Thyroid Cancer

Sae Rom Chung (Asan Medical Center, Korea)

14:30-14:40 (SS11-P8)

Effectiveness of Microvascular Flow Imaging for Radiofrequency Ablation in Recurrent Thyroid Cancer: Comparison with Power Doppler Imaging

Jae Ho Lee (Asan Medical Center, Korea)

14:40-14:50 (SS11-P9)

Radiofrequency Ablation for Active Surveillance-Eligible, Non-Elderly Patients with Low Risk PTMC

Ji Ye Lee (Seoul National University Hospital, Korea)

14:50-15:10

Coffee Break

GBR 101

15:10-16:40

Hot Issue 3 (GU)

Gynecologic USG

Chairperson(s)

Sung Bin Park (Asan Medical Center, Korea)

Sukhee Heo (Chonnam National University Hwasun Hospital, Korea)

15:10-15:25 (HI03-S1)

WFUMB Recommendations for the Cleaning of Endocavity Ultrasound Transducers Between Patients

Susan Campbell Westerway (Charles Sturt University, Australia)

15:25-15:50 (HI03-S2)

O-RADS

Hyo Jeong Lee (Ewha Womans University Mokdong Hospital, Korea)

15:50-16:15 (HI03-S3)

Uterus USG

Mi-yeon Park (Asan Medical Center, Korea)

16:15-16:40 (HI03-S4)

Article Review: Current Research of Gynecologic USG

June Young Seo (Seoul National University Hospital, Korea)

GBR 102

15:10–16:40

SWE/Attenuation Imaging
Workshop 2

Chairperson(s)

Hyun Cheol Kim (Kyung Hee University Hospital at Gangdong, Korea)

Jinyoung Choi (Severance Hospital, Korea)

15:10–15:40 (SIW02–S1)

Clinical Viewpoint of Hepatic Steatosis

Wonseok Kang (Samsung Medical Center, Korea)

15:40–16:10 (SIW02–S2)

Technical Viewpoint of Attenuation Imaging

Ji Soo Song (Chonbuk National University Hospital, Korea)

16:10–16:40 (SIW02–S3)

Clinical Application of SWE and Attenuation Imaging in NAFLD

Jae Seok Bae (Seoul National University Hospital, Korea)

16:10–16:40 (HI04–S3)

Contrast-enhanced Ultrasound Imaging of the Liver: a Review and Comparison of Clinical Evidence for Sonovue and Sonazoid

Dong Yi (Xinhua Hospital Affiliated to Shanghai Jiaotong University, China)

GBR 103

16:40–17:40

Debriefing of AFSUMB 2024 &
Closing Ceremony

GBR 103

15:10–16:40

Hot Issue 4 (ABD)

Diagnostic Performance of US and CEUS Focusing on HCC Screening and Challenges

Chairperson(s)

Jeong Min Lee (Seoul National University Hospital, Korea)

Joon-II Choi (The Catholic University of Korea, Seoul St. Mary's Hospital, Korea)

15:10–15:40 (HI04–S1)

US Surveillance of HCC VS Abbreviated MRI in High-Risk Patients

Hyo Jung Park (Asan Medical Center, Korea)

15:40–16:10 (HI04–S2)

Contrast-enhanced Ultrasonography: as a Surveillance Tool of Hepatocellular Carcinoma

Hitoshi Maruyama (Juntendo University, Japan)

Ultrasound, the Best

(Informal Scientific Presentation)

Day 1 – May 9 (Thu)

GBR 104+105

10:00–10:20

Ultrasound, the Best 1 (ABD/GU)

Chairperson(s)

Myoungseok Lee (Seoul National University Boramae Medical Center, Korea)

10:00–10:03 (USB01-P1)

Xanthogranulomatous Pyelonephritis: A Rare Case Report

Sarangerel Dumbaa (National Trauma and Orthopaedic Research Center of Mongolia, Mongolia)

10:03–10:06 (USB01-P2)

An Uncommon Complication for a Hemodialysis Woman: Pyocytis in a Defunctionalized Urinary Bladder

An Shine Chao (New Taipei Municipal Tucheng H, Chinese Taipei)

10:06–10:09 (USB01-P3)

A Rare Complication of Inguinal Hernioplasty - Spermatic Cord Abscess

Kam Hang Leong (Centro de Hospitalar Conde de S. Januario, Macau)

10:09–10:12 (USB01-P4)

Whirlpool Sign- Twists and Turns

Shenaz Momin (BYL NAIR Hospital and TN Medical College Mumbai, India)

13:00–13:20

Ultrasound, the Best 2 (MSK)

Chairperson(s)

Sekyoung Park (Kosin University Gospel Hospital, Korea)

13:00–13:03 (USB02-P1)

Ultrasound-Guided Percutaneous Ultrasonic Tenotomy for Refractory Bilateral Patellar Tendinopathy Combined with a Real-Time Synchronization System of Ultrasound and Magnetic Resonance Imaging

Toru Omodani (Tokyo Advanced Orthopaedics, Japan)

13:03–13:06 (USB02-P2)

Deciphering Complexity: Ultrasound Diagnosis of Double Crush Injury in a Pitcher with Thoracic Outlet Compression, Anconeus Epitrochlearis-Induced Ulnar Neuropathy

Ajai Sambasivan (UT Health Department of Physical Medicine And Rehabilitation, USA)

13:06–13:09 (USB02-P3)

Ulnar Neuropathy Associated with a Low-Lying Medial Triceps Muscle: Utility of Dynamic Sonography

Yoonsang Lee (The Catholic University of Korea, St. Vincent's Hospital, Korea)

13:09–13:12 (USB02-P4)

Ultrasound Diagnosis of Pigmented Villonodular Synovitis of the Knee

Zulai Damdinbayar (Mongolia)

13:12–13:15 (USB02-P5)

Intraneural Nodular Fasciitis of the Superficial Branch of Radial Nerve

Yeting Wang (Shandong Provincial Hospital Affiliated to Shandong First Medical University, China)

13:15–13:18 (USB02-P6)

Caught Red-Handed! Parasitic Infestation in the Elbow

Stefanie Yip (Prince of Wales Hospital, Hong Kong, China)

14:50–15:10

Ultrasound, the Best 3 (BR)

Chairperson(s)

Su Hyun Lee (Seoul National University Hospital, Korea)

14:50–14:53 (USB03–P1)

Fibromatosis of the Breast: The Report of Two Cases

Wanling Lin (Affiliated Hangzhou First People's Hospital, School of medicine, Westlake University, Hangzhou, China)

14:53–14:56 (USB03–P2)

A Case Report: Magnetic Resonance Imaging and Ultrasound Correlation of Breast Implant Rupture Manifesting as Painful Breast Swelling.

Sudhanshu Tonpe (Datta Meghe Institute of Higher Education & Research, India)

14:56–14:59 (USB03–P3)

Multimodal Ultrasound Imaging in Primary Small Cell Carcinoma of the Breast: A Case Report

Yincheng Gao (Shanghai Tenth People's Hospital, China)

14:59–15:02 (USB03–P4)

Easily Misdiagnosed Breast Aggressive Fibromatosis with Atypical Sonograms

Yaquin Tang (Zhuhai People's Hospital Medical Group (Zhuhai Hospital Affiliated with Jinan University, The First Affiliated Hospital of Faculty of Medicine Macau University of Technology), China)

Day 2 – May 10 (Fri)

GBR 104+105

10:00–10:20

Ultrasound, the Best 4 (CV)

Chairperson(s)

Eun Ju Chun (Seoul National University Bundang Hospital, Korea)

10:00–10:03 (USB04–P1)

Fast Diagnosis of Deep Vein Thrombosis in the Emergency Department: Point-of-Care Ultrasound as a Valuable Tool

Lam Ian Seng (Centro Hospitalar Conde de So Janurio, Macau)

10:03–10:06 (USB04–P2)

Subaortic Valve Stenosis with Membrane in Adults Case Report and Overview

Vi Nguyen (Thien Nhan Hospital, Vietnam)

10:06–10:09 (USB04–P3)

Contrast Echocardiography in the Diagnosis of Genetic-Related Left Ventricular Non-Compaction Cardiomyopathy

Yaquin Tang (Zhuhai People's Hospital Medical Group (Zhuhai Hospital Affiliated with Jinan University, The First Affiliated Hospital of Faculty of Medicine Macau University of Technology), China)

10:09–10:12 (USB04–P4)

Aspergillus Fumigatus Endocarditis: A Case Report

Xueyuan Lin (Shenzhen People's Hospital, China)

10:12–10:15 (USB04–P5)

Transthoracic Echocardiography Diagnosed Pulmonary Embolism in 1 Case

Jiayi Qi (Linhe People's Hospital, China)

10:15–10:18 (USB04–P6)

Point-Of-Care Ultrasound for Diagnosing Port-A Catheter-Induced Thrombosis

Chia Ching Chen (Chang-Bing Show Chwan Memorial Hospital, Chinese Taipei)

13:00–13:20

Ultrasound, the Best 5 (THY/HN)

Chairperson(s)

Ji Ye Lee (Seoul National University Hospital, Korea)

13:00–13:03 (USB05–P1)

Ultrasonographic Features of Thyroid Metastases from Breast Cancer: A Case Report and Review of the Literature

Luying Gao (Peking Union Medical College Hospital, China)

13:03–13:06 (USB05–P2)

Percutaneous Ethanol Ablation on Predominantly Cystic Benign Thyroid Nodules: A Tertiary Government Hospital Experience

Aileen Crystel Abueva (East Avenue Medical Center, Philippines)

13:06–13:09 (USB05–P3)

Value of Ultrasonography for Diagnosis of Primary Thyroid Lymphoma: A Case Report

Bo-Wen Zheng (The Third Affiliated Hospital of Sun Yat-sen University, China)

13:09–13:12 (USB05–P4)

High Nodule-to-Afferent Artery Spectral Doppler Vascular Index Ratio Upgrades Thyroid Nodule Suspicion in Patient with History of Renal Cell Carcinoma

Grace Ho (Queen Mary Hospital, Hong Kong, China)

13:12–13:15 (USB05–P5)

TCCD Neck Turn Test Confirms a Rare Etiology of Episodic Vertigo: A Case of Low Bifurcation Variation of the Right Common Carotid Artery

Yaqun Tang (Zhuhai People's Hospital Medical Group (Zhuhai Hospital Affiliated with Jinan University, The First Affiliated Hospital of Faculty of Medicine Macau University of Technology), China)

14:30–14:50

Ultrasound, the Best 6 (ABD)

Chairperson(s)

Eun Sun Lee (Chung-Ang University Hospital, Korea)

14:30–14:33 (USB06–P1)

Successful Radiofrequency Ablation for Selective Fetocide in a Monochorionic Twin Pregnancy Affected by Amniotic Band Syndrome

Amelia P W Hui (Queen Mary Hospital, Hong Kong, China)

14:33–14:36 (USB06–P2)

Bladder Diverticulum as the Content of a Femoral Hernia

Shuqian Zhang (Qilu Hospital of Shandong University, China)

14:36–14:39 (USB06–P3)

Improved Diagnostic Confidence and Workup of an Unclear Hepatic Lesion with Image Fusion and Contrast-Enhanced Ultrasound (CEUS)

Gabriela Grossklags (Interdisciplinary Ultrasound-Center, Ludwig-Maximilians-University of Munich, Germany)

14:39–14:42 (USB06–P4)

Contrast-Enhanced Ultrasound Features of Hepatic Epithelioid Hemangioendothelioma: Cases Report and Literature Review

Mingyue Xiao (The Third Affiliated Hospital of Sun Yat-sen University, China)

14:42–14:45 (USB06–P5)

Ultrasound Diagnosis of Giant Exophytic Renal Angiomyolipoma

Qian Li (The Affiliated Cancer Hospital of Zhengzhou University & Henan Cancer Hospital, China)

Day 3 – May 11 (Sat)

GBR 104+105

10:00–10:20

Ultrasound, the Best 7 (ABD)

Chairperson(s)

Sanghyeok Lim (Soon Chun Hyang University Bucheon Hospital, Korea)

10:00–10:03 (USB07-P1)

Portal Vein Aneurysm – Connect to the Hepatic Vein
Tran Thi Bich Thuy (Medic, Vietnam)

10:03–10:06 (USB07-P2)

Rapunzel Syndrome: Sonographic Features of Trichobezoar 2 Cases Report
Nghiep Van Nguyen (MD, Vietnam)

10:06–10:09 (USB07-P3)

Contrast-Enhanced Ultrasound: The Best Problem-Solving Imaging Modality for the Early Postoperative Vascular Complications after Liver Transplantation
Taewon Han (Samsung Medical Center, Korea)

10:09–10:12 (USB07-P4)

Sonographic Evaluation of Gallbladder Perforation Case Reviews
Tsatsral Erdenebayar (Mungunguur Hospital, Mongolia)

10:12–10:15 (USB07-P5)

A Giant Trichobezoar with Rapunzel Sydrom'S
Altanbosgo Zurgaanjin (The Mongolian Society of Radiology, Mongolia)

13:00–13:20

Ultrasound, the Best 8 (PED)

Chairperson(s)

Hee Mang Yoon (Asan Medical Center, Korea)

13:00–13:03 (USB08-P1)

Ultrasound Imaging of Cystic Lesions in Neonatal Abdomen: Key Features and Differential Diagnoses
Jiyeon Choi (Severance Hospital, Korea)

13:03–13:06 (USB08-P2)

Role of Ultrasound in Diagnosis of Congenital Thoracic Lesions
Youngho Won (Severance Hospital, Korea)

13:06–13:09 (USB08-P3)

Importance of Ultrasound Follow-Up in Post-Kasai Patients
Woo Jong Cho (Severance Hospital, Korea)

13:09–13:12 (USB08-P4)

Contrast-Enhanced Ultrasound as a Diagnostic Tool in In the Neonatal Intensive Care Unit
Yugyeong Kwon (Seoul National University Hospital, Korea)

Scientific Exhibition

[Abdomen]

SE-001

Case of Double Gallbladder with Polyp

Saindelger Batbaatar¹, Amarbayasgalan Lunuu²

¹Allergy Med Hospital, Mongolia

²Mongol-Japan Hospital, Mongolia

SE-002

Ectopic Pancreas: Case Report

Nurduv Dagmid, Javkhlan Maikhuu

Second State Central Hospital, Ulaanbaatar, Mongolia

SE-003

Diagnostic and Prognostic Ability of Contrast-Enhanced Ultrasound and Biomarkers in Hepatocellular Carcinoma Subtypes

Ming Xu, Wenxin Xu, Xiaoyan Xie

The First Affiliated Hospital, Sun Yat-Sen University, China

SE-004

Hepatic 2D-SWE Measurement in Accessing and Predicting Liver Function: A Prospective Study in HCC Patients Undergoing Hepatectomy

Jiayao Huang, Xiaoyan Xie, Manxia Lin

The First Affiliated Hospital, Sun Yat-Sen University, China

SE-005

Exploration of Changes and Relationship between Hepatic 2D-SWE Measurement and Liver Function: A Prospective Follow-Up Study in HCC Ablation Patients

Jiayao Huang, Xiaoyan Xie, Manxia Lin

The First Affiliated Hospital, Sun Yat-Sen University, China

SE-006

Comparison of Liver 2D-SWE Measurements in HCC Patients Using Different Instruments: AixPlorer V vs APLIO i900

Jiayao Huang, Xiaoyan Xie, Manxia Lin

The First Affiliated Hospital, Sun Yat-Sen University, China

SE-007

Conventional Ultrasound and Contrast-Enhanced Ultrasound Findings of Metastatic Carcinoma: A Retrospective Analysis on Rare Tumors of the Pancreas

Lan Zeng, Ligang Cui

Peking University Third Hospital, China

SE-008

Contrast-Enhanced Ultrasound and Combining with Serological Indicators for Evaluation on Resectability of Pancreatic Cancer

Lan Zeng, Jiuyi Ma, Ligang Cui

Peking University Third Hospital, China

SE-009

Application of Radiofrequency Features in the Diagnosis of Severity of Fatty Liver Disease

Zhixiang Wang¹, Xuebin Cao¹, Jiaqi Han²

¹Beijing Friendship Hospital, China

²Beihang University, China

SE-010

Deep Learning Radiomics of Elastography for Universal Diagnosis of Compensated Advanced Chronic Liver Disease: An International Multicenter Study

Xue Lu¹, Haoyan Zhang², Hidekatsu Kuroda³,

Matteo Garcovich⁴, Victor De Ledinghen⁵,

Ivica Grgurevic⁶, Jie Ren¹, Kun Wang²

¹The Third Affiliated Hospital of Sun Yat-Sen University, China

²CAS Key Laboratory of Molecular Imaging, Institute of Automation, Chinese Academy of Sciences, China

³Iwate Medical University, School of Medicine, Japan

⁴Medicina Interna e Gastroenterologia, Fondazione Policlinico Universitario Agostino Gemelli IRCCS, Italy

⁵Hepatology Unit, University Hospital, CHU Bordeaux, Pessac, & INSERM U1312, Bordeaux University, France

⁶Hepatology and Clinical Nutrition, University Hospital Dubrava, Croatia

SE-011

Can Cereal-Based Oral Contrast Agents - Assisted Ultrasound Become an Alternative to Noncontrast MRI in Radiological Follow-Up for Pancreatic Cystic Lesions?

Jiang Ji, Xinlong Shi, Yu Xia, Luying Gao,

Nengwen Luo, Liyuan Ma, Aonan Pan, Yang An,

Ya Hu, Yuxin Jiang

Peking Union Medical College Hospital, China

SE-012

The Application of Multimodal Ultrasound Technology in Improving the Success Rate of Liver Tumor Puncture under Poor Visibility on Conventional Ultrasound Imaging

Xingyun Long, Wentao Kong

Nanjing Drum Tower Hospital, China

SE-013

Tumor-Associated Neutrophil N2 Type Polarization Promotes Residual Cancer Progression after iRFA in Hepatocellular Carcinoma

Hui Chen, Songying Pi

The Fifth Affiliated Hospital of Sun Yat-Sen University, China

SE-014**CRYAB Promotes Migration and Invasion of Residual Hepatocellular Carcinoma via Interaction with -Catenin after Insufficient Radiofrequency Ablation**

Hui Chen, Songying Pi, Yongquan Huang,
Zhongzhen Su, Danni Yang
The Fifth Affiliated Hospital of Sun Yat-Sen University,
China

SE-015**METTL5-Mediated Fatty Acid Metabolism via Peroxisome Promotes Hepatocellular Carcinoma Recurrence after Thermal Ablation**

Zonglin Xie, Zihao Dai, Lina Wang, Shuling Chen
The First Affiliated Hospital, Sun Yat-Sen University,
China

SE-016**Study of the Application of Mono-Modality 3-D Ultrasound Fusion Navigation in Liver Cancer Ablation**

Xie Xiaoyan, Hunag Guanglian, Zhang Xiaocer,
Liu Jiaming, Xu Ming, Kuang Ming
The First Affiliated Hospital, Sun Yat-Sen University,
China

SE-017**Quantitative Ultrasound Analysis for Non-Invasive Assessment of Hepatic Steatosis in Metabolic Dysfunction-Associated Steatotic Liver Disease**

Yunling Fan, Kailing Chen, Qiannan Zhao, Haohao Yin,
Yuli Zhu
Zhongshan Hospital, Fudan University, Shanghai, China

SE-018**Detecting and Characterizing Creeping Fat in Crohn's Disease Patients: Agreement between Intestinal Ultrasound and Computed Tomography Enterography**

Mengyuan Zhou, Qingli Zhu
Peking Union Medical College Hospital, China

SE-019**Comparison of Point and Two-Dimensional Shear Wave Elastography in Measuring Pancreas Stiffness, a Prospective Study**

Jiahao Han², Jia Li¹
¹Zhongda Hospital Southeast University, China
²Southeast University, China

SE-020**Contrast-Enhanced Intraoperative Ultrasound Improved Hepatic Recurrence-Free Survival in Initially Unresectable Colorectal Cancer Liver Metastases**

Huifang Li, Jiliang Qiu
Sun Yat-Sen University Cancer Center, China

SE-021**Deep Learning of Ultrasound Imaging for Detection of Nonalcoholic Steatohepatitis**

Trina Chattopadhyay, Po-Hsiang Tsui
Chang Gung University, Chinese Taipei

SE-022**The Nomogram Model Based on Trans-Abdominal Ultrasound Features in Predicting Malignancy of Pancreatic Cystic Neoplasms**

Liyuan Ma, Jiang Ji, Yu Xia, Yuxin Jiang
Peking Union Medical College Hospital, China

SE-023**Feasibility and Influencing Factors in Assessment of Liver Function by Liver Stiffness in Hepatocellular Carcinoma Patients at Different Hepatitis Virus Infection Status**

Jiayao Huang, Haiyi Long, Xian Zhong, Xiaoyan Xie,
Manxia Lin
The First Affiliated Hospital, Sun Yat-Sen University,
China

SE-024**Artificial Intelligence in CEUS: A Precision Approach for LR-M HCC Identification**

Meiqin Xiao¹, Yishu Deng¹, Hao Yang¹, Danyan Gao¹,
Wei Wang², Lishu Huang³, Feng Han¹
¹Sun Yat-Sen University Cancer Center, China
²The First Affiliated Hospital, Sun Yat-sen University,
China
³Chongqing Cancer Hospital, China

SE-025**Exploratory Study on Ultrasound Viscoelasticity in Chronic Hepatitis B: Correlation with Clinical Serum Biomarkers**

Zhibin Huang, Fajin Dong
The Second Clinical Medical College, Jinan University,
Shenzhen People's Hospital, Shenzhen, China

SE-026**Evaluating the Diagnostic Performance of Sound Touch Elastography, Visco-Elastography, and Attenuation in Chronic Liver Disease Detection**

Sijie Mo, Fajin Dong
Shenzhen People's Hospital, China

SE-027**Initial Experience with Endoscopic Ultrasound-Guided Laser Ablation of Retroperitoneal Lymph Node Metastases**

Min Xu, Tianan Jiang
The First Affiliated Hospital, Zhejiang University School
of Medicine, China

SE-028**Transformer Models Based on Sonazoid Contrast-Enhanced Ultrasound to Predict Microvascular Invasion in Hepatocellular Carcinoma***Qiong Qin, Hong Yang**The First Affiliated Hospital of Guangxi Medical University, Nanning, Guangxi Zhuang Autonomous Region, China***SE-029****Prediction of Pathological Complete Response to Neoadjuvant Chemoradiotherapy in Locally Advanced Rectal Cancer Using Contrast-Enhanced Ultrasound Radiomics***Qiong Qin, Hong Yang**The First Affiliated Hospital of Guangxi Medical University, Nanning, Guangxi Zhuang Autonomous Region, China***SE-030****Development and Validation of a Multi-Modal Ultrasomics Model to Predict Response to Neoadjuvant Chemoradiotherapy in Locally Advanced Rectal Cancer***Qiong Qin, Hong Yang**The First Affiliated Hospital of Guangxi Medical University, Nanning, Guangxi Zhuang Autonomous Region, China***SE-031****Sonographic Appearance of Focal Liver Lesions and Likelihood of Hepatocellular Carcinoma in Adult Thais with Chronic Hepatitis B Virus Infection***Pantajaree Hiranrat, Sarana Suttivanich**Sonographer School, Chulabhorn Royal Academy, Thailand***SE-032****Sonographic Predictors for Developing Cholangiocarcinoma: A Cohort Study from an Endemic Area.***Surachate Siripongsakun, Natcha Thanakijisombat, Kamonwan Soonklang**Sonographer School, Chulabhorn Royal Academy, Thailand***SE-033****A Complex Case of Polycystic Hepatic Disease: Diagnosis, Management Challenges, and the Journey Towards Liver and Kidney Transplantation***Lam Ian Seng, Leong Hoi Ip**Centro Hospitalar Conde De So Janurio, Macau***SE-034****Intraluminal Type Stomach Gastrointestinal Stromal Tumor with Cystic Morphology: A Case Report***Masayuki Fujioka¹, Koichi Yabunaka², Yasutsugu Shirai¹, Kohei Noguchi¹, Masaya Inoue¹**¹Katsuragi Hospital, Japan**²Ono Memorial Hospital, Japan***SE-035****Basics for Upper Abdominal Ultrasound***Yoon Seo Choi, Jin Sil Kim, Jeong Kyong Lee**Ewha Womans University Mokdong Hospital, Korea***SE-036****Decoding the Enigma: Extensive Intrahepatic Arterial Calcification Masquerading as Pneumobilia***Lam Ian Seng, Leong Hoi Ip, Chang Tam Fei**Centro Hospitalar Conde De So Janurio, Macau***SE-037****Predictive Value of Multi-Parameter Ultrasound Evaluation Combined with Blood Indexes for High-Risk Chronic Hepatitis***Xiaohui Qiao, Xueqi Li, Liyun Xue, Guangwen Cheng,**Hong Ding**Huashan Hospital, Fudan University, China***SE-038****Sonographic Scatter-Distribution Coefficient (SC-TSI) in Detection and Estimation of Hepatic Steatosis Severity in Patients from South-Eastern Region of Europe***Nikolai Nelasov¹, Maxim Morgunov¹, Andrey Palenyy¹,**Alexey Pomortsev², Olga Eroshenko¹, Boris Ilyasov²,**Yuri Mekertuichan¹, Irina Golovko¹**¹Rostov State Medical University, Russian Federation**²Rostov Regional Diagnostic Centre, Russian Federation**³Krasnodar State Medical University, Russian Federation***SE-039****Cholangiocarcinoma Decoded: Integrating Ultrasound and CT Imaging for Accurate Diagnosis***Lam Ian Seng, Leong Hoi Ip**Centro Hospitalar Conde De So Janurio, Macau***SE-040****Ultrasound Identification of Hepatic Echinococcosis Using a Deep Convolutional Neural Network Model in China: A Retrospective, Large-Scale, Multicentre, Diagnostic Accuracy Study***Yongfeng Yang**The Fifth Medical Center of Chinese People's Liberation Army General Hospital, China***SE-041****Gastric Adenocarcinoma with Liver Metastasis: A Comprehensive Ultrasound Evaluation***Lam Ian Seng, Leong Hoi Ip**Centro Hospitalar Conde De So Janurio, Macau***SE-042****Uncommon Presentation of Acute Acalculous Cholecystitis in Acute Viral Hepatitis: A Case Study***Lam Ian Seng, Leong Hoi Ip, Chang Tam Fei**Centro Hospitalar Conde De So Janurio, Macau*

SE-043**Intestinal Infiltrates and Ultrasound Diagnostics**

*Galiya Muktarova, Zhanar Kozhakhmetova
City Multi-Field Hospital No 2, Astana City, Kazakhstan*

SE-045**Possibilities of Ultrasound in the Diagnosis of Various Forms of Acute Appendicitis**

*Symbat Apbassova, Raushan Rakhimzhanova,
Zhanar Kozhakhmetova
Npjsc Astana Medical University, Kazakhstan*

SE-046**What Are the Differences of LR-M Criteria of Contrast-Enhanced Ultrasound (CEUS) from Those of CT/MRI: How to Benefit the Most from the Unique Differences in Multimodality Integration?**

*Hyun Jung Jang, Tae K Kim
University of Toronto, Canada*

SE-047**Case Report of Pseudo Pneumobilia and Portal Venous Gas Cause by Diffusely Arteriosclerosis of Abdominal Viscera.**

*Chon Lap Wong, Chi Fong Miu, Tam Fei Chang,
Choi Chu Lei, Hoi Ip Leong
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SE-048**Appendicial Mucocoele and Ultrasonic Diagnostics**

*Botagoz Kambarova, Zhanar Kozhakhmetova
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SE-049**A Tumor of the Thoracic Cavity Is Detected by an Abdominal Ultrasound**

*Tran Thi Bich Thuy
Medic, Vietnam*

SE-050**Green Synthesis of Reduced Graphene Oxide: Improving the Ultrasound Contrast Enhanced Effect of Microbubbles**

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SE-051**Significance of Endorectal Ultrasound in Rectal Disease: A Retrospective Study**

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Bat-Usukh Guyenbaatar¹, Zurgaanjin Ochirbat²,
Tuvshintur Baatarsukh², Bat-Ulzii Erdene²,
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SE-052**Evaluation of Constipation in Patients Receiving Psychiatric Treatment Using a Pocket-Sized Ultrasound Device**

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Masayo Matsuzaki³, Yoshifumi Kido⁴
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SE-053**Characteristics of Undetected or New Emerging Cholangiocarcinoma on Ultrasound Surveillance in an Endemic Area**

*Nutsurang Promrach, Surachate Siripongsakun,
Pooriput Waongenngarm, Pantajaree Hiranrat
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Technology, Chulabhorn Royal Academy, Thailand*

SE-054**Predictors for Diagnostic Inaccuracy of Pancreatic Biopsy in Pancreatic Solid Neoplasms: A Nested Case-Control Study**

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School of Medicine, China*

SE-055**Reproducibility of Ultrasound Derived Fat Fraction in Adult Livers**

*Danlei Song, Pingping Wang, Jia Li
Zhong Da Hospital, Southeast University School of
Medicine, Nanjing, Jiangsu, China*

SE-056**Early Differential Diagnosis by Handheld Ultrasound for Abdominal Mass in ER: A Case of Liposarcoma**

*Pak Ngai Nip, Pan Pan Wong, Chi Fong Miu
Conde S. Janurio Hospital, Macau*

SE-057**The Value of CEUS with High Frequency Transducer for the Detection, Characterization and Qualitatively Diagnosis of Superficial Liver Lesions**

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Medical School, Nanjing University, Nanjing, China*

SE-058**Deep Learning-Based Automatic Detection of Abdominal Pathologies in Ultrasound Imaging: A Novel Approach**

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Rifaldy Fajar³

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SE-059**Beyond Static Images: Advancing Ultrasound Diagnostics with AI-Driven Video Analysis**

Junbong Jang, Connie Ge, Christine Yao,
Patrick Svrcek, Aniket Pandya, Young Kim

University of Massachusetts Chan Medical School, USA

SE-060**Dynamic Ultrasound Evaluation of the Abdominal Wall: A Foundational Approach**

Christine Yao, Patrick Svrcek, Aniket Pandya,
Young Kim

University of Massachusetts T. H. Chan School of Medicine, USA

SE-061**Preliminary Analysis of Abdominal Ultrasound Findings and Their Clinical Significance in Patients Undergoing Peritoneal Dialysis.**

Xiao Mei Wang

Third Affiliated Hospital of Sun Yat-Sen University, China

SE-062**Compared with Sonovue LR-5, Sonazoid Modified LR-5 Has Better Diagnostic Sensitivity for Hepatocellular Carcinoma: A Systematic Review and Meta-Analysis**

Jiazhi Cao, Wenwu Ling

West China Hospital of Sichuan University, Chengdu, China

SE-063**Comparison of the Diagnostic Efficiency of ACR CEUS LI-RADS and Modified CEUS LI-RADS for HCC Using Sonazoida Meta-Analysis**

Jiazhi Cao, Wenwu Ling

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SE-064**Pancreatic Hydatid Cyst: A Rare Case Report**

Javkhlan Maikhuu, Gan-Erdene Baatarjav,
Erdenebulgan Batmunkh

The Second State Central Hospital, Mongolia

SE-065**Ultrasound Diagnostic Accuracy of Acute Appendicitis**

Baatartsogt Urtnasan, Tsatsral Erdenebayar,
Gochootogtokh Gombodorj, Munkh-Od Enkhjargal
Munguunguur Hospital, Mongolia

SE-066**Giant Appendiceal Mucocoele - a Rare Case Report**

Syerikbol Konfyeryentsiya, Tsatsral Erdenebayar,
Munkh-Od Enkhjargal

Munguunguur Hospital, Mongolia

SE-067**Ultrasound Potential in Early Stages of Pancreatic Trauma**

Otgontugs Tserendorj, Batsuren Emujin

Trauma and Orthopedic Center Mongolia, Mongolia

SE-068**Factors That Influence Ultrasound-Guided Percutaneous Liver Biopsy: A Retrospective Analysis**

Dan-Yan Gao, Mei-Qin Xiao, Hao Yang, Feng Han
Sun Yat-Sen University Cancer Center, China

SE-069**Liver Metastasis Mimicking an Abscess. the Role of Contrast-Enhanced Ultrasound (CEUS) in the Diagnosis.**

Gabriela Grossklags, Dirk-Andre Clevert

Interdisciplinary Ultrasound-Center, Ludwig-Maximilians-University of Munich, Germany

SE-070**Evolution of Ultrasound-Guided Percutaneous Tumor Ablation for Hepatocellular Carcinoma in Taiwan**

Chen-Wang Chang, Ying-Chi Chaing, Ching-Wei Chang, Tsang-En Wang, Chi-Yu Lee, Ming-Jen Chen,
Hong-Yuan Wang

Mackay Memorial Hospital, Chinese Taipei

SE-071**Investigating the Utility of Intestinal Ultrasound for Inflammatory Bowel Disease: A Systematic Review and Meta-Analysis**

Hong-Yuan Wang, Chen-Wang Chang, Chi-Yu Lee,
Wei-Chen Lin, Ming-Jen Chen

Mackay Memorial Hospital, Chinese Taipei

SE-072**Contrast-Enhanced Ultrasound of Cystic Teratoma of the Pancreas**

Zhiqiang Yuan, Yan Luo

West China Hospital, Sichuan University, China

SE-073**The Value of Renal Interlobar Resistive Index and Renal Parenchymal Elastography to Predict Early Type 1 Diabetic Nephropathy***Jianhui Li**Affiliated Hospital of Hebei University, Baoding, China***SE-074****Ultrasonography of Gastrointestinal Tract Disease: CT Correlation***Dal Mo Yang, Hyun Cheol Kim, Sang Won Kim**Kyung Hee University Hospital at Gangdong, Korea***SE-075****Spontaneous Rupture of Pheochromocytoma of Right Adrenal Gland: A Case Report***Battsetseg Munkhkbayar, Myagmarsuren Batdorj,**Javkhlan Maikhuu**The Second State Central Hospital, Mongolia***SE-076****Machine Learning-Based Ultrasonomics for Preoperative Prediction of GPC3 Expression in Patients with Hepatocellular Carcinoma***Simeng Wang¹, Shaobo Duan¹, Qinghua Qi³, Linlin Zhang¹, Shanshan Ren¹, Yahong Li¹, Bing Mao², Lianzhong Zhang¹**¹Henan University People's Hospital, Zhengzhou**University People's Hospital, Henan Provincial People's Hospital, China**²Henan Provincial People's Hospital, China**³First Affiliated Hospital of Zhengzhou University, China***SE-077****Arrival Time on Contrast-Enhanced Ultrasound for Diagnosis of Hepatic Venous Congestion after Living Donor Liver Transplantation Using a Right Lobe***Woo Kyoung Jeong, Ji Hye Min, Kywon Gu**Samsung Medical Center, Korea***SE-078****Percutaneous Radiofrequency Ablation of Hepatocellular Carcinomas Abutting the Right Posterior Diaphragm: Factors Associated with Tumor Recurrence and Overall Survival***Ji Soo Lee³, Min Woo Lee¹, Soo Hyun Ahn²,**Seungchul Han¹, Hyunchul Rhim¹**¹Samsung Medical Center, Korea**²Ajou University, Korea**³Sungkyunkwan University School of Medicine, Korea***SE-079****Clinical Features and Risk Factors for Pelvic Metastasis after Microwave Ablation of Hepatocellular Carcinoma: A Nested Case-Control Study***Chaonan Chen, Ping Liang**Chinese PLA General Hospital, China***SE-080****Proposed of Two Step Diagnostic Algorithm Using Typical Imaging Features of Hemangioma and Quantitative Analysis of Kupffer Phase Image in Discriminating Hemangiomas from Hepatocellular Carcinomas Using Sonazoid Enhanced Ultrasonography***Taewon Han, Jeong Ah Hwang, Woo Kyoung Jeong,**Seungchul Han, Seo-Youn Choi, Kyowon Gu**Samsung Medical Center, Korea***SE-081****Incidental Pulmonary Hydatid Cyst: A Case Report***Batjargal Sugar, Khaliunaa Batzorig,**Javkhlan Maikhuu**The Second State Central Hospital, Mongolia***SE-082****Ultrasound Diagnosis of Acute Thrombosis of an Abdominal Aortic Aneurysm a Case Report***Bolor Adiyaragchaa**Gurvan Gal General Hospital, Mongolia***SE-083****NDST2 Overexpression Induced by Inadequate Thermal Ablation Promotes the Growth and Invasion of Residual Hepatocellular Carcinoma***Jin-Shu Pang, Hong Yang**The First Affiliated Hospital of Guangxi Medical University, China***SE-084****RAD21: A Key Transcriptional Regulator in the Development of Residual Liver Cancer***Jin-Shu Pang, Hong Yang**The First Affiliated Hospital of Guangxi Medical University, China***SE-085****Factors Related to Postoperative Pain among Patients Undergoing US- Guided Thermal Ablation of Liver Tumor***Lanxia Zhang, Kai Li**The Third Affiliated Hospital of Sun Yat-Sen University, China***SE-086****Liver Abscess with Clostridium Infection in Patient with a Colon Cancer***Chuluunbaatar Otgonbaatar¹, Tuguldur Oroolon²**¹Mongolian National University of Medical Sciences, Mongolia**²Intermed Hospital, Mongolia*

SE-087**Primary Mesenteric Tumor Epidemiology**

Amarbayasgalan Lunuu¹, Tegshjargal Erdenechuluun¹, Purevjargal Magsarjav¹, Oyusukh Batsukh¹, Saindelger Batbaatar²

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SE-088**Diverticular Choledochal Cyst Complicated with Stone Diagnosed in Middle Aged Women**

Baatartsogt Urtnasan, Tsatsral Erdenebayar, Gochootogtokh Gombodorj, Munkh-Od Enkhjargal
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SE-089**A Rare Case of Liposarcoma in Retroperitoneal Space**

Nomuundari Ganbat¹, Ariunzaya Lkhagvaa²

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SE-090**Fish Bone-Related Intra-Abdominal Abscess**

Altansuvd Jambaldorj, Tuya Doljinsuren
National Traumatology and Orthopedics Research Center, Mongolia

SE-091**Diagnosing Liver Laceration by Ultrasound at the Outpatient Screening Center**

Khaliunaa Khurelsukh¹, Khongorzul Khishigsuren², Sereenendorj Norjmaa², Ariunbold Gankhuyag¹

¹MNUMS MDI, Mongolia

²National Center for Trauma and Orthopedic Surgery, Mongolia

SE-092**Differential Diagnosis of Enlargement of the Left Lobe of the Liver from Hematoma of Splenic Corner Hematoma and Splenic Rupture**

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²National Trauma and Orthopaedic Research Center of Mongolia, Mongolia

[Breast]**SE-093****Adenoid Cystic Carcinoma of the Breast: A Study of Eight Cases**

Wanling Lin, Lingyun Bao

Affiliated Hangzhou First People's Hospital, School of Medicine, Westlake University, Hangzhou, China

SE-094**An Applied Study on the Prediction of the Outcome of Neoadjuvant Chemotherapy for Breast Cancer Based on Ultrasonomics**

Shiyu Li¹, Hongtian Tian², Huaiyu Wu², Keen Yang², Jinfeng Xu², Fajin Dong²

¹The Second Clinical Medical College, Jinan University, China

²Shenzhen People's Hospital (The Second Clinical Medical College, Jinan University; The First Affiliated Hospital, Southern University of Science and Technology), China

SE-095**Contrastenhanced Ultrasound for the Preoperative Predicting of Pathological Characteristics in Breast Cancer Using External Perfusion Software**

Qiao Hu, Ling Ling Li, Quan Li Su, Yun Xia Deng, Wen Wen Guo, Hai Mei Lun

The People's Hospital of Guangxi Zhuang Autonomous Region, China

SE-096**Dynamic Study of Sentinel Lymph Nodes in Breast Cancer Lymphatic Metastasis Using Percutaneous Contrast Enhanced Ultrasound in Rabbit Model**

Wen Wang

General Hospital of Ningxia Medical University, Cardiovascular and Cerebrovascular Disease Hospital, China

SE-097**Comparison Study of Breast Tomosynthesis and Standing Automated Breast Ultrasound for Breast Cancer Screening**

Sun Mi Kim, Mijung Jang, Bo La Yun, Sungui Shin

Seoul National University Bundang Hospital, Korea

SE-098**Accuracy of Shear-Wave Elastography in Predicting Malignancy among BI-RADS 4 or 5 Breast Masses on Conventional Ultrasound or Mammography**

Celeste Baldonado, Jererl Jake Medina

Philippine Heart Center, Philippines

SE-099**Automated Ultrasound Scanner in the Algorithm of Examination of Dense Mammary Glands**

Dinara Turzhanova, Raushan Rakhimzhanova

Npjsc "Astana Medical University", Kazakhstan

SE-100**A Machine Learning Model of Peritumor Ultrasound Imaging Histologic Features Combined with Clinical Features in Predicting Axillary Lymph Node Metastasis of Early Breast Cancer***Si-Rui Wang, Tong Zhu**The First Affiliated Hospital of Shihezi University, Xinjiang, China***SE-101****Decoding the Molecular Subtypes of Breast Cancer Seen on Multimodal Ultrasound Images Using an Assembled Convolutional Neural Network Model: A Prospective and Multicentre Study***Boyang Zhou**Zhongshan Hospital, Fudan University, China***SE-102****A Prediction Model Based on Multimodal Ultrasonography for the Differential Diagnosis of BI-RADS-US 4B Breast Lesions***Jun Jiang**Xinhua Hospital Affiliated to Shanghai Jiaotong University School of Medicine, China***SE-103****Quantitative Shear Wave Elastography as a Biomarker for Neoadjuvant Chemotherapy Efficacy in Triple-Negative Breast Cancer: Advancing Personalized Treatment***Sahnaz Vivinda Putri¹, Rifaldy Fajar², Prihantini Prihantini³**¹Health Management Laboratory, International University Semen Indonesia, Indonesia**²Karlstad University, Sweden**³Machine Learning for BioMedicine Laboratory, Bandung Institute of Technology, Indonesia***SE-104****Melanin Nanoprobes Loaded with PD-L1 for Synergistic Photothermal and Immunological Targeted Therapy of Triple-Negative Breast Cancer Guided by Photoacoustic/Ultrasound Dual-Modality Imaging***Qiang Fu¹, Zhongqi Lu², Ying Chang¹, Tiefeng Jin¹, Meihua Zhang²**¹Yanbian University Hospital, China**²Yanbian University, China***SE-105****Development and Validation of Ultrasound-Based Radiomics Model to Predict Germline BRCA Mutations in Patients with Breast Cancer***Tingting Deng¹, Jianwen Liang², Cuiju Yan¹, Huiling Xiang¹, Chunyan Li¹, Jinjing Ou¹, Qingguang Lin¹, Yi Gao², Xi Lin¹**¹Sun Yat-Sen University Cancer Center, State Key Laboratory of Oncology in South China, Collaborative Innovation Center For Cancer Medicine, China**²School of Biomedical Engineering, Shenzhen University Medical School, Shenzhen University, Shenzhen, China***SE-106****Diagnosis of Axillary Lymph Node Metastasis in Breast Cancer Based on Multisource Data***Zhixiang Wang¹, Yiran Wang², Pengfei Sun¹**¹Beijing Friendship Hospital, China**²Nanjing Normal University, China***SE-107****Is Breast Ultrasound a Good Alternative to Mammography for Evaluating Pregnancy-Associated Breast Cancer?***Zihan Niu, Yanwen Luo, Mengsu Xiao, Jing Zhang, Yuxin Jiang, Qingli Zhu**Peking Union Medical College Hospital, China***SE-108****Feasibility of Newly Developed 3D Ultrasound Equipment in the Diagnosis of Breast Lesion: Preliminary Results.***Miribi Rho, Min Jung Kim**Severance Hospital, Korea***SE-109****Evaluation of Significance of Breast Ultrasound Findings in Predicting Molecular Subtypes of Breast Cancer***Bolortuya Byambadorj, Sarnaitsetseg Munkhbat*
*Intermed Hospital, Mongolia***SE-110****Longitudinal Ultrasound Imaging in an Early Postpartum Woman Diagnosed with Granulomatous Mastitis during Pregnancy: A Case Report***Masayo Matsuzaki¹, Ai Yajima², Eriko Fujita²,**Mieko Hirade², Koichi Yabunaka³**¹Tokyo Medical and Dental University, Japan**²Yajima Maternity Home, Japan**³Ono memorial Hospital, Japan***SE-111****To Evaluate of Tumor Size in Breast Cancer Comparing Diagnostic Imaging***Garamjav Khishigdavaa¹, Batsukh Pushkin²,**Nergui Olzvoi¹, Nasanbayar Enkhtaivan¹,**Gereltuya Enkhee¹, Sharavjamts Namkhainym¹,**Gonchigsuren Dagvasumberel¹**¹Grandmed Hospital of Mongolia, Mongolia**²National Cancer Center of Mongolia, Mongolia***SE-112****Imaging Findings of the Breast after Surgery: Regarding the Use of the Acellular Dermal Matrix (ADM)***Hyeh-Won Kim**Wonkwang University Hospital, Korea*

SE-113**Breast Carcinoma: A Rare Case Report***Bolorsaikhon Baatar**Munguunur Hospital, Mongolia***SE-114****Deep Learning Approach for HER2 Status Evaluation in Breast Cancer Using Ultrasound Imaging***Guoqiu Li, Zhibin Huang, Huaiyu Wu, Hongtian Tian, Jinfeng Xu, Fajin Dong**The Second Clinical Medical College of Jinan University, China***SE-115****Understanding Factors Influencing Delayed Breast Cancer Diagnosis: A Comprehensive Study in Indonesia***Yuniar Tri Handayani, Pisi Bethania Titalessy**Cenderawasih University, Indonesia***SE-116****Artificial Intelligence for Non-Mass Breast Lesion Detection and Classification on Ultrasound Images: A Comparative Study***Guoqiu Li, Hongtian Tian, Huaiyu Wu, Zhibin Huang, Jinfeng Xu, Fajin Dong**The Second Clinical Medical College of Jinan University, China***SE-117****Photoacoustic Imaging Radiomic to Identify Breast Cancer in BI-RADS 4 or 5 Lesions***Guoqiu Li, Huaiyu Wu, Jinfeng Xu, Fajin Dong**The Second Clinical Medical College of Jinan University, China***SE-118****Multi-Center Strain Elastography Radiomics for Breast Cancer Diagnosis: Integrating Intratumoral and Peritumoral Regions***Guoqiu Li, Hongtian Tian, Huaiyu Wu, Fajin Dong, Jinfeng Xu**The Second Clinical Medical College of Jinan University, China***SE-119****Relationship with Morphological Characteristics of Palpable Breast Mass Using Grayscale Ultrasonography with Histopathology in Indonesia: A Review***Ramlah Ramlah¹, Haerani Haerani²*¹*Universitas Sulawesi Barat, Indonesia*²*STIKes Bina Bangsa Majene, Indonesia***SE-120****Radiomics Integration of Intratumoral and Peritumoral in Strain Elastography: A Novel Approach for Breast Cancer Diagnosis***Guoqiu Li, Zhibin Huang, Huaiyu Wu, Hongtian Tian, Jinfeng Xu, Fajin Dong**The Second Clinical Medical College of Jinan University, China***SE-121****Imaging Biomarker Analysis through Ultrasonography Contrast-Enhanced Peritumoral Regions for Discriminating Breast Cancer: An Ultrasound Radiomics Approach***Guoqiu Li, Zhibin Huang, Huaiyu Wu, Hongtian Tian, Jinfeng Xu, Fajin Dong**The Second Clinical Medical College of Jinan University, China***SE-122****Application of Peritumoral Photoacoustic Imaging-Based Radiomics Model in Differentiating Benign and Malignant Breast Lesions***Guoqiu Li, Zhibin Huang, Huaiyu Wu, Hongtian Tian, Jinfeng Xu, Fajin Dong**The Second Clinical Medical College of Jinan University, China***SE-123****Predicting Efficacy and Potential Benefiting Patients of HpD-PDT for Extramammary Paget's Disease***Yincheng Gao**Shanghai Tenth People's Hospital, China***[Cardiovascular]****SE-124****The Values of CFR Combining with pCFV in Cardiac Function Assessment in Patients with Coronary Microvascular Disease***Mengmeng Li, Quande Liu, Mingjun Xu, Yu Zhang, Mei Zhang**Qilu Hospital of Shandong University, China***SE-125****Which Is the Reference Technique in Diagnosis and Quantification of Patent Foramen Ovale? Resting State, Coughing or Modified Valsalva Maneuver***Yan Ma**The First Hospital of Jilin University, China***SE-126****Versatile Presentation of Cardiac Myxoma: A Case Series***Poppy Bala, Kanu Bala**Evercare Hospital Dhaka, Bashundhara, Dhaka, Bangladesh*

SE-127**Ultrasound-Triggered Nano Oxygen Carriers Promote Seed Cell Survival in 3D-Bioprinted Cardiac Patch by Improving Gelma Hydrogel Porosity and Oxygen Supply**

Hao Wang, Yuxin Guo, Qing Zhou
Renmin Hospital of Wuhan University, China

SE-128**Ultrasound Assessment and Mechanism Study of Exercise-Induced Skeletal Muscle-Derived Extracellular Vesicles in Improving Cardiovascular Metabolic Disorders**

Yixiao Wang
Institute of Medical Research, Northwestern Polytechnical University, China

SE-129**Rare Case Report: Rupture of Sinus of Valsalva Aneurysm into the Left Ventricle**

Poppy Bala
Evercare Hospital Dhaka, Bashundhara, Dhaka, Bangladesh

SE-130**The Value of Bimodal Ultrasonic Artificial Intelligence Model Based on Video Image Recognition in Differential Diagnosis of Benign and Malignant Subpleural Pulmonary Lesions**

Mengjun Shen¹, Chengqian Zhao², Yin Wang¹
¹Shanghai Pulmonary Hospital, China
²Fudan University, China

SE-131**Study of Right Ventricular Function by Speckle Tracking Echocardiography in Patients with Chronic and Severe Aortic Regurgitation**

Yuming Mu, Mukaidisi Saimi, Lina Guan, Liyun Liu, Ting Ma, Guodong Wang
Xinjiang Key Laboratory of Ultrasound Medicine, Department of Echocardiography, the First Affiliated Hospital of Xinjiang Medical University, Xinjiang Uygur Autonomous Region, Urumqi, China

SE-132**Risk Factors for Pulmonary Embolism in Lung Cancer Patients with Lower Extremity Deep Venous Thrombosis: A Case Control Study**

Jie Chen, Haiyang Dong, Guangyu Tao, Yi Wang
Shanghai Chest Hospital, China

SE-133**Analysis of Neovascularization in Carotid Atherosclerotic Plaque in Patients with Cerebral Infarction by Contrast-Enhanced Ultrasound**

Juan Cheng, Siqi Cao, Ying Wang, Xinliang Xu, Ying Dong
Abdominal, Superficial Small Organs and Blood Vessels Ultrasound Examination, China

SE-134**Echocardiographic Evaluation of Neurocardiac Injury in Patients with Aneurysmal Subarachnoid Hemorrhage-A Prospective Study**

Zhi Qi, Chongchong Zhao, Xuemei Liu
Beijing Hospital of Traditional Chinese Medicine, Capital Medical University, Beijing, China

SE-135**Left Atrial Strain Indices in Patients with Atrial Hypertension Complicated by Heart Failure with Preserved Ejection Fraction (HFpEF)**

Bakhtiyor Karimov, Feruza Bekmetova, Doniyorov Shukhrat, Bekbulatova Regina, Bekmetova Sevara, Ilkhomova Laylo, Khotamova Munajat, Arslonov Sardor
Republican Specialized Scientific and Practical Medical Center of Cardiology, Uzbekistan

SE-136**Increased Ratio of Left Atrial-Left Ventricular End-Diastolic Diameter Associated with Atrial Tachyarrhythmia Recurrence in Patients with Atrial Fibrillation Post Catheter Ablation**

Mingjie Lin, Jingquan Zhong
Shandong University Qilu Hospital (Qingdao), China

SE-137**Subaortic Valve Stenosis with Membrane in Adults Case Report and Overview**

Vi Nguyen
Thien Nhan Hospital, Vietnam

SE-138**Association of 10-Year Atherosclerotic Cardiovascular Disease Risk Score with the Carotid Intima-Media Thickness to Carotid Diameter Ratio**

Yimei Wang
National Taiwan University Hospital, Yun-Lin Branch, Taiwan, Chinese Taipei

SE-139**Triplex Ultrasound Criteria for Unfavorable Outcomes after Femoral-Tibial Reconstructions in Patients with Critical Lower Limb Ischemia**

Anna Nechaeva¹, Nikolai Nelasov², Tatjana Glazunova², Maxim Morgunov², Olga Eroshenko², Andrey Palenyy², Irina Golovko¹
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SE-140**Urgent Cardiac Challenges: Effective Management of Pericardial Effusion and Cardiac Tamponade in Emergency Situations**

Wong Chi Seng, Lam Ian Seng, Leong Hoi Ip
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Khatan-Erdene Galbadrakh, Bat-Ireedui Purevbaatar
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Mongolia

SE-157**Ultrasound Guided Aspiration of Cystic Pelvic Masses (Review of 417 Cases)**

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SE-158**Unveiling Renal Anomalies Presenting as Acute Abdominal Pain: A Case Report**

Lam Ian Seng, Leong Hoi Ip, Chang Tam Fei
Centro Hospitalar Conde De So Janurio, Macau

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Kazakhstan

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Samal Ibrayeva, Raushan Rakhimzhanova, Zhanar Kozhakhmetova
Npjsc "Astana Medical University", Kazakhstan

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Poemporn Limpisook, Pooriput Waongenngarm, Surachate Siripongsakun, Songphon Srisittimongkon, Pantajaree Hiranrat
Sonographer School, Hrh Princess Chulabhorn College of Medical Science, Chulabhorn Royal Acedemy, Thailand

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Akane Kondo, Mikio Morine, Tatsuro Sugimoto, Takaaki Maeda, Aki Hayashi, Kenji Hinokio, Kazuhisa Maeda
Shikoku Medical Center For Children and Adults, Japan

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Thananya Thabsangthong, Surachate Siripongsakun, Pooriput Waongenngarm, Pantajaree Hiranrat
Sonographer School, Faculty of Health Science Technology, Chulabhorn Royal Academy, Thailand

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Seung Hyup Kim, Hyo Jeong Lee
Ewha Womans University Mokdong Hospital, Korea

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Shanigarn Thiravit, Chadarut Ngamcherttakul, Phakphoom Thiravit
Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand

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Jingjing Wang, Qinging Wu
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²Karlstad University, Sweden
³Bandung Institute of Technology, Indonesia

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²First Maternity Hospital of Mongolia, Mongolia

SE-170**Study on Changes in Blood Flow through Uterine Arteries, Umbilical Artery and Cerebral Media Artery during Preeclampsia by Doppler Ultrasound.***Zambaga Ganzorigt¹, Oyun-Erdene Vanchindorj²**¹First Maternity Hospital, Mongolia**²Intermed Hospital, Mongolia***SE-171****Ultrasound in Delivery Room***Assel Yeskarayeva, Vyacheslav Lokshin,**Anton Mikhailov**Khoja Akhmet Yassawi International Kazakh-Turkish**University, Kazakhstan***SE-172****Irreversible Electroporation for Treating Prostate Cancer***Jina Mo**National Evidence-Based Healthcare Collaborating Agency, Korea***SE-173****Varicocele in Right Side with Situs Inversus Totalis:***Tuwshintuguldur Undrakh**Gurvan Gal General Hospital, Mongolia***SE-174****Uterine Didelphys with Endometrial Polyp in Right Uterus – A Case Report***Erdenetuya Nyamaa, Jimsmaa Yura**Enerelt Khun Hospital, Mongolia***SE-175****Emphysematous Urinary Tract Infections: A Case Report***Buyanjargal Dorjpurev¹, Narantuya Bataakhuu¹,**Khulan Ariunbold¹, Tuguldur Bayarsaikhan²,**Tuvshinjargal Dashjams²**¹Mongolia Japan Hospital, Mnums, Mongolia**²School of Medicine, MNUMS, Mongolia***SE-176****Testicular Epidermoid Cyst: A Rare Case Report***Anarmaa Ulambayar, Javkhlan Mainkhuu,**Erdenebulgan Batmunkh**The Second State Central Hospital, Mongolia***SE-177****Differentiating Renal Urothelial Carcinoma from Endophytic Renal Cell Carcinoma Using Conventional Ultrasound Combined with Contrast-Enhanced Ultrasound***Dongdong Jin, Yan Wang**The First Affiliated Hospital, Sun Yat-Sen University, China***SE-178****Mapping Global Trends in Ultrasound-Based Screening for Ovarian Cancer: A Systematic Bibliometric Analysis***Reny Rosalina**Faculty of Mathematics and Natural Sciences, Universitas Palangka Raya, Indonesia***SE-179****Diffusion-Weighted MRI for Diagnosis of Acute Pyelonephritis***Oyundari Tumurbaatar, Javzandolgor Nyamsambuu,**Erdenebulgan Batmunkh**Second State Central Hospital, Mongolia***SE-180****A Case of Isolated Large Fetal Intra-Abdominal Umbilical Vein Varix Leading to Non-Reassuring Fetal Status***Risa Uehara, Sayaka Kogure, Hiroto Suwa, Takuji Kyoya**Gunma Children's Medical Center, Japan***SE-181****Correlation Analysis of Contrast-Enhanced Ultrasound Parameters and Renal Allograft Function in Chronic Allograft Nephropathy***Luyu Zhao, Jun Huang**The First Affiliated Hospital of Jinan University, China***SE-182****The Significance of Endorectal Ultrasound in Surgery of Anorectal Fistula***Bat-Usukh Guyenbaatar¹, Tsengel Jargalsaikhan²,**Oyundari Idersaikhan², Zurganjin Ochirbat³,**Tuvshintur Baatarsukh³, Bat-Ulzii Erdene³, Erdenebileg**Bavuuja⁴**¹Doctor's House, Mongolia**²Doctor's House Clinic, Mongolia**³The First Central Hospital, Mongolia**⁴Mongolian Society of Diagnostic Ultrasound, Mongolia***SE-183****Renal Cell Carcinoma Presenting as a Simple Renal Cyst: A Case Report***Saindelger Batbaatar**Allergy Med Hospital, Mongolia***SE-184****Case Report: Large Bilateral Renal Angiomyolipomatosis in the Asymptomatic Patient Without Tuberous Sclerosis Complex***Khaliunaa Khurelsukh¹, Bayarjargal Namkhajantsan²,**Munkherdene Gantogoo², Khaliunaa Baterdene²,**Ariunbold Gankhuyg¹, Nyamaa Unurtogtokh²,**Buynkhishig Tsogtsaikhan²**¹MNUMS MDI, Mongolia**²Asraltmed Hospital, Mongolia*

SE-185**Primary Malignant Melanoma of Vagina***Delgermaa Batjargal¹, Lkhagvasuren Gonchigsuren²*¹Mongolian National University of Medical Sciences, Mongolia²National Trauma and Orthopaedic Research Center of Mongolia, Mongolia**SE-186****Renal Trauma***Soyolmaa Enkhjargal, Erdenechimeg Battumur,**Tumenjargal Lkhagvasuren**Radiologist of National Trauma and Orthopedic**Research Center, Mongolia***[Thyroid / Head & Neck]****SE-187****Development of a Novel Contrast-Enhanced Ultrasound-Based Nomogram for Superficial Lymphadenopathy Differentiation: Postvascular Phase Value***Ying Fu, Li-Gang Cui, Jiuyi Ma**Peking University Third Hospital, China***SE-188****Differential Diagnosis of Cervical Lymphadenopathy: Integration of Postvascular Phase of Contrast-Enhanced Ultrasound and Predictive Nomogram Model***Xiangmei Chen¹, Jiuyi Ma², Ying Fu², Fang Mei², Rui Tang², Heng Xue², Yuxuan Lin³, Shumin Wang², Ligang Cui²*¹Peking University Shenzhen Hospital, China²Peking University Third Hospital, China³Beijing Friendship Hospital, China**SE-189****Development and Validation of Ultrasound Major Salivary Gland Imaging Reporting and Data System (mSI-RADS)***Jiaxin Zuo, Angang Ding, Ping Xiong**Ninth People's Hospital, Shanghai Jiaotong University School of Medicine, China***SE-190****Verification of Physiological Artifacts Affecting Shear Wave Velocity Measurements at the Head and Neck Region***Takahiro Fukuhara, Ryohei Donishi, Eriko Matsuda, Kazunori Fujiwara**Tottori University Faculty of Medicine, Japan***SE-191****Comparison of Ultrasonography and Computed Tomography in the Preoperative Localization of Parotid Gland Stones***Jeong Kyu Kim, Dong Won Lee**Daegu Catholic University Medical Center, Korea***SE-192****Deep Learning-Based Model to Assist Cervical Lymph Nodes Ultrasound Diagnosis: A Multicentre, Retrospective, Diagnostic Study***Chunyan Li¹, Rui Li², Fang Li³, Jinjing Ou¹, Tingting Deng¹, Cuiju Yan¹, Qingguang Lin¹, Feng Han¹, Yao Lu², Xi Lin¹*¹Sun Yat-Sen University Cancer Center, China²Sun Yat-Sen University, China³Chongqing University Cancer Hospital, China**SE-193****Primary Hyperparathyroidism during Pregnancy: Ultrasound as an Accurate Preoperative Localization Imaging Modality***Mengyuan Zhou, Qingli Zhu**Peking Union Medical College Hospital, China***SE-194****Three-Dimensional Blood Flow Imaging Using SMI to Characterize Salivary Gland Tumors***Eriko Matsuda, Takahiro Fukuhara, Ryohei Donishi, Kazunori Fujiwara**Tottori University Hospital, Japan***SE-195****Incidental Papillary Thyroid Cancer Metastatic Lymph Nodes in the Known Head and Neck Squamous Carcinoma Nodal Involvement - How Can We Tell Apart the Two?***Asif Momin¹, Shenaz Momin², Aditi Kumar¹, Shubham Lohiya¹, Roshan Chinoy¹*¹Head and Neck Cancer Institute of India, Mumbai, India²BYL NAIR Hospital and TN Medical College Mumbai, India**SE-196****Predicting Central Cervical Lymph Node Metastasis of Papillary Thyroid Carcinomas Deemed Appropriate for Active Surveillance***Yingying Li, Mingbo Zhang, Yukun Luo**First Medical Center of Chinese PLA General Hospital, China***SE-197****Multiparametric Ultrasound Techniques Are Superior to Ai-Assisted Ultrasound for Assessment of Solid Thyroid Nodules: A Prospective Study***Yingying Li, Mingbo Zhang, Yukun Luo**First Medical Center of Chinese PLA General Hospital, China***SE-198****Comparative Efficacy and Safety of Radiofrequency Ablation (RFA) and Microwave Ablation (MWA) in Benign Thyroid Nodule Treatment: A Systematic Review and Meta-Analysis***Hunjong Lim¹, Se Jin Cho¹, Jung Hwan Baek²*¹Seoul National University Bundang Hospital, Korea²Asan Medical Center, Korea

SE-199**Radiating Blood Flow Signal: A New Ultrasound Feature of Thyroid Carcinoma***Shasha Huang, Zhu Wang**The First Affiliated Hospital, Sun Yat-Sen University, China***SE-200****Risk Stratification of Incidental 18F-Fluorodeoxyglucose-Avid Thyroid Nodules Based on Six Societies' Ultrasound Risk Stratification Systems***Chae Young Shin¹, Dong Gyu Na¹, Hyo Sang Lee¹, Hye Shin Ahn²**¹GangNeung Asan Hospital, Korea**²Chung-Ang University Hospital, Korea***SE-201****The Value of Ultrasound Combined with CT Multimodal Deep Learning for Differentiation between Thyroid Follicular Carcinoma and Follicular Adenoma***Weiwei Chen, Yifei Yin**Affiliated Hospital of Nantong University, China***SE-202****Research on the Value of Two-Dimensional Shear Wave Elastography Ultrasound in Guiding Fine Needle Aspiration of Thyroid Nodules: Initial Results***Huy Nguyen Minh¹, Thao Nguyen Thanh²**¹Hue Central Hospital, Vietnam**²Hue University of Medicine and Pharmacy, Vietnam***SE-203****Microwave Ablation for T1N0M0 Papillary Thyroid Carcinoma Located in Isthmus and Lateral Lobes: A Multicenter Prospective Cohort Study***Lin Zheng, Ping Liang**Chinese PLA General Hospital, China***SE-204****Concordance between Fine-Needle Aspiration Biopsy Results of the Bethesda System for Reporting Thyroid Cytopathology and Postoperative Histopathology in Patients with Thyroid Nodules***Ying Feng, Zhixiang Wang, Xiangdong Hu, Linxue Qian, Yujiang Liu**Beijing Friendship Hospital, Capital Medical University, China***SE-205****Multimodality US Based on Imaging Biomarkers of Angio Planewave Ultrasensitive Imaging and Shear Wave Elastography to Distinguish Thyroid Lesions: Focus on Innovative Vascular Classification***Jiamin Chen¹, Guanzheng Wu², Jing Zhong¹, Yu Zhuang¹, Zhongzhen Su¹, Xin Wen¹**¹The Fifth Affiliated Hospital of Sun Yat-Sen University, Guangdong Province, China**²Macau University of Science and Technology, Macau, China***SE-206****Us-Guided Thermal Ablation in the Multidisciplinary Approach to Papillary Thyroid Microcarcinomas***Giovanni Mauri**European Institute of Oncology, Italy***SE-207****Efficacy of Ultrasound-Guided Radiofrequency Ablation for Multifocal Papillary Thyroid***Mengjin Sun, Ruirui Zhang, Qian Li**The Affiliated Cancer Hospital of Zhengzhou University & Henan Cancer Hospital, China***SE-208****Efficacy of Ultrasound-Guided Radiofrequency Ablation for Benign Thyroid Nodules of Different Sizes***Mengjin Sun, Ruirui Zhang, Qian Li**The Affiliated Cancer Hospital of Zhengzhou University & Henan Cancer Hospital, China***SE-209****Metastatic Lymph Node with Ultrasonographic Punctate Echogenic Foci (PEF) Harbors PEF in Primary Thyroid Cancer***Surin Park¹, Jung Hee Shin², Won-Jin Moon¹,**Soo Yeon Hahn², Myoung Kyoung Kim², Haejung Kim²**¹Konkuk University Medical Center, Korea**²Samsung Medical Center, Korea***SE-210****Diagnostic Value of High-Frequency Ultrasound in Omohyoid Muscle Syndrome***Kezhen Qin**Shandong Provincial Hospital Affiliated To Shandong First Medical University, China***SE-211****Time Series Analysis Combined with Transcriptome Sequencing to Explore Characteristic Genes and Potential Molecular Mechanisms Associated with Ultrasound-Guided Microwave Ablation of Glioma in Mice***Guangfei Yang¹, Qian Zhang²**¹General Hospital of Ningxia Medical University, China**²General Hospital of Ningxia Medical University, Cardiovascular and Cerebrovascular Disease Hospital, China*

SE-212**Ultrasonographic Characterization of Pilomatricomas: Enhancing Diagnostic Precision for Preoperative Evaluation***Han Guan Hoe¹, Hui Rou Ng²*¹Hospital Kuala Lumpur, Malaysia²University Malaya Medical Center, Malaysia**SE-213****Post-Hemithyroidectomy Benign Myofibroblastic Proliferation***Cheng Yit Zachary Kok¹, Geoiphy George Pulickal², Lillian Huang Minyi²*¹Ministry of Health Holdings, Singapore²Khoo Teck Puat Hospital, Singapore**SE-214****Ultrasound Assessment of Palpable Neck Masses in Adults: Comprehensive Pictorial Analysis of Non-Thyroidal Lesions***Younghee Yim, Sang Ik Park**Chung-Ang University Hospital, Korea***SE-215****Ultrasonography of Substantia Nigra and Vagal Nerve in Patients with Parkinson Disease***Boris Ilyasov¹, Marina Kaimakchi¹, Nikolai Nelasov²*¹Rostov Regional Diagnostic Centre, Russian Federation²Rostov State Medical University, Russian Federation**SE-216****A Dynamic Nomogram Model Predicting Benign and Malignant Salivary Gland Tumors Based on Gray-Scale Ultrasound***Ping Xiong, Jieye Cao**Shanghai Ninth People's Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China***SE-217****Basal Cell Carcinoma Invasion Depth Measurement with 22-75 MHz High-Frequency Ultrasound. Comparison with Histomorphology***Ruslan Voloshin¹, Nikolai Nelasov¹, Andrey Bezugly², Sergey Vlasov¹, Ivan Didenko¹, Alexey Pomortsev³, Andrey Svetitsky¹*¹Rostov State Medical University, Russian Federation²FMBA Academy of Postgraduate Education, Russian Federation³Krasnodar State Medical University, Russian Federation**SE-218****Parotid Lymph Node Metastasis Prediction of Nasopharyngeal Carcinoma Based on Ultrasound Radiomics Analysis***Xingzhang Long, Yao Xue, Ruhai Zou, Wei Zheng*
*China***SE-219****The Role of P2X7 Receptor during Low-Intensity Focused Ultrasound Induced Blood-Brain Barrier Modulation***Junwon Park¹, Young Cheol Na¹, Jihyeon Lee¹, Hojin Kim², Sangheon Han¹, Byeong Wook Song², Won Seok Chang¹*¹Severance Hospital, Korea²College of Medicine, Catholic Kwandong University, Korea**SE-220****Depiction of Pharyngeal Constrictor Muscles by Transoral Ultrasound***Ryohei Donishi, Takahiro Fukuhara, Eriko Matsuda, Kazunori Fujiwara**Tottori University, Japan***SE-221****A Case Report of Radiofrequency Ablation of Parathyroid Adenoma in Mongolia***Bayarmaa Nanzan¹, Odontungalag Tseveensuren²*¹UB Songdo Hospital in Mongolia, Mongolia²National Cancer Center in Mongolia, Mongolia**SE-222****Retrosternal Ectopic Thyroid Tissue Characterized by Histology and Functional Imaging with TC-99M SPECT/CT***Erdenetsetseg Battulga, Nyamgerel Batdelger, Bujinlham Shatarbal**Firts Central Hospital of Mongolia, Mongolia***SE-223****A Rare Case of Papillary Carcinoma in a 49-Year-Old Male: Diagnostic Journey and Successful Treatment***Lam Ian Seng, Leong Hoi Ip**Centro Hospitalar Conde De So Janurio, Macau***SE-224****Determination of Nodular Formations of the Thyroid Gland According to the TIRADS***Anargul Kuanysheva, Raushan Rakhimzhanova, Aqzharqyn Sharafutdinova**Scientific Research Institute of Radiology Named After Academician Zh.H.Khamzabaev, Ncjsc Astana Medical University, Astana, Kazakhstan***SE-225****Sonographic Features of Well-Differentiated Thyroid Cancer Recurrence in the Thyroid Bed after Thyroidectomy***Nannapat Nuangchamnong, Surachate Siripongsakun, Pooriput Waongenngarm, Pantajaree Hiranrat*
Sonographer School, Faculty of Health Science Technology, Chulabhorn Royal Academy, Bangkok, Thailand

SE-226**Precision Differentiation of Thyroid Nodule Subtypes Using Deep Transfer Learning on High-Resolution Ultrasound Images**

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University Semen Indonesia, Indonesia

SE-227**Analysis of Related Factors for Thyroid Cancer Recurrence in Children and Adolescents**

Ruirui Zhang, Mengjin Sun
Henan Cancer Hospital, China

SE-228**TBSAG Curriculum System Based on Individualized Puncture Strategy to Shorter Learning Curves of Thyroid Fine Needle Aspiration**

Yanping Ma, Jie Ren, Bowen Zheng, Tao Wu,
Tinghui Yin, Yufan Lian, Yuting He
The Third Affiliated Hospital of Sun Yat-Sen University,
China

SE-229**Correlation Analysis of BRAFV600E Mutation with Ultrasound Manifestations and Aggressive in Adolescent and Pediatric Papillary Thyroid Carcinoma**

Ruirui Zhang, Mengjin Sun
Henan Cancer Hospital, China

SE-230**The Evaluation of Thyroid Echography for Thyroid Function and Anti-Thyroid Antibodies in Mongolian Women.**

Dolzodmaa Batbayar, Amgalanbayar Tumendelger,
Altantsetseg Vanchinserj
Erdenet Medical Hospital, Mongolia

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Taipei

²Chi Mei Medical Center, Chinese Taipei

SE-232**Multimodal Ultrasound of Thyroid Synovial Sarcoma**

Zhiqiang Yuan, Yan Luo
West China Hospital, Sichuan University, China

SE-233**The Prevalence of Thyroid Nodules among the over 40-Year-Old Women Underwent Preventive Examinations**

Amgalanbayar Tumendelger
Ent Doctors Society in Mongolia, Mongolia

SE-234**A Clinical Study of Ultrasound-Guided Percutaneous Thermal Ablation for Multifocal T1N0M0 Papillary Thyroid Carcinoma Following Up for More Than 5 Years**

Hao Sun, Mingbo Zhang
First Medical Center, Chinese PLA General Hospital,
China

SE-235**Efficacy of Radiofrequency Ablation for Cystic Thyroid Nodules**

Sanchir-Erdene Bilegsaikhan, Munkhtsend Davaa
General Surgery Department, Mongolia

SE-236**Ultrasonic Characteristics Analysis and Literature Review of Thyroglossal Duct Carcinoma**

Xin Li, Miao Shi
Liaocheng People's Hospital, China

SE-237**Efficacy and Safety of Radiofrequency Ablation for Benign Thyroid Nodules: Initial Mongolian Experience**

Otgonbayar Setevdorj, Bayarmagnai Munkhjargal,
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Sergelen Orgoi
First Central Hospital of Mongolia, Mongolia

SE-238**The Effect of Limited Neck Space on Moving-Shot Overlapping Radiofrequency Ablation in Benign Thyroid Nodule: Computer Analysis and Its Clinical Application for Complete Ablation in One Session**

Tao Wu¹, Yukang Jiang², Zhe Gao³, Bowen Zheng¹,
Tinghui Yin¹, Jinfen Wang¹, Xueqin Wang³, Jie Ren¹

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Chen Zhang, Miao Li, Ruochen Li

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Ultrasound Findings of the Deltoid Ligament in Patients with Acute Ankle Sprains: A Retrospective Review

Toru Omodani

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Dingzhang Chen, Wenqing Gong

Xijing Hospital, Fourth Military Medical University, China

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Feiyue Yang, Anqi Zhu, Leheng Guo

Shanghai Tenth People's Hospital; Shanghai Engineering Research Center of Ultrasound Diagnosis and Treatment, School of Medicine, Tongji University, China

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Explore the Feasibility of Ultrasonography in Recurrent Branch of the Median Nerve and the Role of Recurrent Branch in the Diagnosis of Carpal Tunnel Syndrome

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Quantitative Ultrasound Envelope Statistics Imaging: Predictive Potential for Osteoporotic Fracture Risk in Menopausal Women

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Yang Haojie

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Huazhen Liu, Meng Yang

Peking Union Medical College Hospital, China

SE-253**Observation and Monitoring of Oxaliplatin Induced Neuropathy Using High-Frequency Ultrasound**

Bing Li, Xiaohui Liu, Jiaan Zhu
Peking University People's Hospital, China

SE-254**Ultrasound Combined with X-Ray in the Assessment of Ankle Injury**

Yanni He, Chengqian Guo, Meijun Zhou, Wenhong Yi, Tong Bai, Sushu Li, Hongmei Liu
Institute of Ultrasound in Musculoskeletal Sports Medicine, Guangdong Second Provincial General Hospital, China

SE-255**Ultrasound Diagnosis of Rotator Cuff Tears: the Necessity for Technical and Qualification Upgrades**

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²Institute of Ultrasound in Musculoskeletal Sports Medicine, Guangdong Second Provincial General Hospital, China

SE-256**Ultrasound Characteristics of Knee Osteoarthritis and Related Influencing Factors in a Population in the Alpine and High-Altitude Region of Tibet Milin**

Yaqun Tang¹, Weiwen Chen¹, Dui Wang², Tao Lv¹, Zhaxi Jiayang², Wenjie Xie¹, Heng Zhang¹, Jing Huang¹
¹Zhuhai People's Hospital Medical Group (Zhuhai Hospital Affiliated With Jinan University, the First Affiliated Hospital of Faculty of Medicine Macau University of Technology), China
²Milin County People's Hospital, China

SE-257**Enhanced Bone Regeneration via Ultrasound-Triggered Release BMP-2 in a Microbubble Complex**

Wen Luo, Jiani Yuan, Peidi Zhang, Lina Pang
Department of Ultrasound, Xijing Hospital, Fourth Military Medical University, China

SE-258**Superb Microvascular Imaging Detects Femoral Head Perfusion in Infants**

Ziyi Wang, Na Xu, Xiaoyi Chen, Shuangshaung Zhang, Zhixia Wu
Shenzhen Children's Hospital, China

SE-259**Xplane Ultrasound Versus Radiography for Guidance of Lumbar Interforamen Puncture: A Randomized Controlled Clinical Trial**

Yi Mao¹, Yuhong Tao², Chao Zhang¹, Peng Huang², Mingbo Zhang¹
¹The First Medical Center of Chinese PLA General Hospital, China
²The Forth Medical Center of Chinese PLA General Hospital, China

SE-260**The Role of High-Frequency Ultrasound in the Assessment of Skin Malignancies: Potentiality and Limitation**

Yulu Wu, Anqi Zhu, Lehong Guo
Shanghai Tenth People's Hospital, China

SE-261**Diagnostic Value of Virtual Touch Tissue Imaging Quantification for Evaluating Median Nerve Stiffness in Carpal Tunnel Syndrome**

Miao Li, Chen Zhang
The Second Affiliated Hospital of Xi'an Jiaotong University, China

SE-262**Correlation between Oxygenation Status of Extra-Synovial Tissue of Wrist and Disease Activity in RA: A Photoacoustic Imaging Study**

Zhibin Huang, Huaiyu Wu, Fajin Dong
The Second Clinical Medical College, Jinan University (Shenzhen People's Hospital), Shenzhen, China

SE-263**Multimodal PA/US Imaging in Rheumatoid Arthritis: Enhanced Sensitivity and Correlation with Clinical Scores**

Zhibin Huang, Fajin Dong
The Second Clinical Medical College, Jinan University (Shenzhen People's Hospital), Shenzhen, China

SE-264**Efficacy of Real-Time Ultrasound-Guided Lumbar Puncture in Resident Training**

Chia Ching Chen
Chang-Bing Show Chwan Memorial Hospital, Chinese Taipei

SE-265**The Role of Ultrasonography in Diagnosing Hourglass-Like Fascicular Constriction(S) of the Anterior Interosseous Nerve**

Hengtao Qi, Tiezheng Wang, Yeting Wang, Wen Chen, Kezhen Qin
Shandong Provincial Hospital Affiliated To Shandong First Medical University, China

SE-266**Distal Biceps Tendon – Ultrasound and MRI Evaluation**

Sinhye Song, Seul Ki Lee, Jee-Young Kim
The Catholic University of Korea, St. Vincent's Hospital, Korea

SE-267**The Role of Nerve Ultrasound in Diagnosing Polyneuropathies**

Hengtao Qi, Tiezheng Wang, Rui Wu, Kai Rong
Shandong Provincial Hospital Affiliated To Shandong First Medical University, China

SE-268**Ultrasonographic Analysis of Relationship between Cephalic Vein and Superficial Radial Nerve**

Dong Hwee Kim, Min Kyung Park, Hong Bum Park
Korea University Ansan Hospital, Korea

SE-269**Soft Tissue Tumor Mimickers on Ultrasound: Pearls and Pitfalls**

Mingyeong Kim, Seul Ki Lee
The Catholic University of Korea, St. Vincent's Hospital, Korea

SE-270**Diagnostic Value of High-Frequency Ultrasound for Poland Syndrome**

Liyuan Cui
Shandong Provincial Hospital Affiliated To Shandong First Medical University, China

SE-271**Usefulness of High Resolution Ultrasound in Ankle and Foot**

Dalsu Park, Kim Taehoon
Osborne Hospital, Korea

SE-272**The Diagnostic Value of Ultrasonography in Evaluation of the Triangular Fibrocartilage Complex Injury**

Wen Chen, Hengtao Qi, Tiezheng Wang, Yeting Wang, Kezhen Qin
Shandong Provincial Hospital Affiliated To Shandong First Medical University, China

SE-273**Diagnostic Value of Ultrasonography in Charcot-Marie-Tooth Disease 1A**

Wen Chen, Hengtao Qi, Tiezheng Wang, Yeting Wang, Kezhen Qin
Shandong Provincial Hospital Affiliated To Shandong First Medical University, China

SE-274**Ultrasound Evaluation of Clinical Mimics of Deep Vein Thrombosis: Essential Insights for Radiologists in Interpretation.**

Dongsuk Im¹, Lyo Min Kwon¹, Sun Young Park², In Jae Lee¹, Kyoung Sup Song¹
¹Hallym University Sacred Heart Hospital, Korea
²Asan Medical Center, Korea

SE-275**Multimodal Ultrasound Evaluation of Asymptomatic Ulnar Nerve Dislocation at the Cubital Tunnel**

Tiezheng Wang¹, Hengtao Qi¹, Shuqian Zhang²
¹Shandong Provincial Hospital Affiliated To Shandong First Medical University, China
²Qilu Hospital of Shandong University, China

SE-276**The Role of Ultrasonography in the Diagnosis of Talocalcaneal Coalitions**

Shuqian Zhang¹, Tiezheng Wang², Hengtao Qi²
¹Qilu Hospital of Shandong University, China
²Shandong Provincial Hospital Affiliated to Shandong First Medical University, China

SE-277**Sonographic and Elastographic Findings after Arthroscopic Rotator Cuff Repair: A Comparison with Clinical Results**

Jihwan Kang, Hee Jin Park
Kangbuk Samsung Hospital, Korea

SE-278**Shear Wave and Strain Elastography of Epidermal Cyst: the Reproducibility**

Jihwan Kang, Hee Jin Park
Kangbuk Samsung Hospital, Korea

SE-279**Strain Elastography of Epidermal Cyst According to Body Location**

Jihwan Kang, Hee Jin Park
Kangbuk Samsung Hospital, Korea

SE-280**Upper Extremity Nerve Ultrasound: a Practical Approach**

Seunghyeon Roh¹, Jee Won Chai², Dong Hyun Kim², Hyo Jin Kim², Jiwoon Seo²
¹Seoul National University Hospital, Korea
²Seoul National University Boramae Medical Center, Korea

SE-281**Shear Wave of Patellar and Achilles Tendon on Healthy Patients: Intervenor Intraobserver and Interobserver Comparison**

Umberto Viglino, Francesco Esposito, Stefano Fusco, Carmelo Messina, Salvatore Gitto, Domenico Albano, Luca Maria Sconfienza
University of Milano, Italy

SE-282**The Use of Artificial Intelligence in Musculoskeletal Ultrasound: A Systematic Review of the Literature**

Salvatore Gitto, Jonas Getzmann, Giulia Zantonelli, Stefano Fusco, Carmelo Messina, Domenico Albano, Luca Maria Sconfienza
University of Milano, Italy

SE-283**Features of the Ultrasound Picture of Carpal Tunnel Syndrome with Bifid Median Nerve (BMN), as an Important Factor That Influences the Tactics of Surgical Treatment**

Yevgeniya Serikbayeva
National Scientific Center of Traumatology and Orthopedics Named After Batpenov N.D. Astana, Kazakhstan

SE-284**Train the Residents Abilities to Perform Delicate Ultrasound Examinations by Scanning Chinese Mahjong Inside a Balloon**

Miu Chi Fong, Lam Ian Seng, Leong Hoi Ip
Centro Hospitalar Conde De So Janurio, Macau

SE-285**The Value of Ex Vivo High-Frequency Ultrasound in Mohs Micrographic Surgery for Head and Face Basal Cell Carcinoma**

Yao Miao
Shanghai Tenth People's Hospital, China

SE-286**Diagnostic Value of High Frequency Ultrasound [HFUS] in Evaluation of Subcutaneous Lesions**

Yao Miao
Shanghai Tenth People's Hospital, China

SE-287**A Case Report of Neurogenic Thoracic Outlet Syndrome with the Wedge-Sickle Sign**

Van Cong Nguyen, Tu Minh Hoang
Hanoi Medical University Hospital, Vietnam

SE-288**Improving Early Detection of Micro-Tears in Athlete Musculoskeletal Tissues Using Artificial Intelligence-Augmented Ultrasound Imaging: A Cross-Sectional Study**

Prihantini Prihantini¹, Rifaldy Fajar², Andi Nursanti Andi Ureng³

¹Machine Learning For Biomedicine Laboratory, Bandung Institute of Technology, Indonesia

²Karlstad University, Sweden

³Andini Persada College of Health Sciences, Indonesia

SE-289**Barbotage Treatment Cases in Mongolia**

Amarsanaa Baasanjargal, Altanshagai Ankhbayar, Byambanyam Dambiinyam, Galindev Batbold
Alpha Medical Rehabilitation Center, Mongolia

SE-290**Musculoskeletal Ultrasound in Hemophilia**

Galindev Batbold, Zulai Damdinbayar
Alpha Medical Rehabilitation Center, Mongolia

SE-291**Ultrasonographic Differential Diagnosis for Calf Pain**

Gwanghyun Kim, Sung Hye Koh
Hallym University Sacred Heart Hospital, Korea

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Jungmin Lim, Sung Hye Koh, Kwanseop Lee, In Jae Lee, Min Jeong Kim
Hallym University Sacred Heart Hospital, Korea

SE-293**Morton's Neuroma: Ultrasonographic Differential Diagnosis**

Jeong-Hyeon Lim, Kwan Seop Lee, In Jae Lee, Min-Jeong Kim, Sung Hye Koh
Hallym University Sacred Heart Hospital, Korea

SE-294**The Results of Yoga Therapy for Chronic Dyspnea after Covid-19 Infection**

Tsetsegee Jadamba, Amartuvshin Bor, Tuvshinjargal Tsendjav, Erdenechuluun Doljin
Diagnostic Medical Sonographer, Mongolia

SE-295**Lung and Diaphragm Ultrasound Characteristic after Covid-19 Infection**

Tuvshinjargal Tsendjav, Amartuvshin Bor, Tsetsegee Jadamba, Erdembileg Tsevegmed, Erdenechuluun Doljin
Tsetsjin Clinic, Mongolia

SE-296**Study of Ultrasonography Monitoring of Vascular Remodeling in Early Bone Repair***Zhuo Shuang Shuang, Qi Ting Yue**Affiliated Hospital of Yangzhou University, China***SE-297****Development and Clinical Application of Artificial Intelligence Assistant System for Rotator Cuff Ultrasound Scanning***Rui Tang¹, Zhiqiang Li¹, Ligang Cui¹, Guoyi Zhou², Daimin Jiang³**¹Peking University Third Hospital, China**²Sonoscape Medical Corp., China**³Sonoscape Medical Corp. (Wuhan), China***SE-298****Features of Ultrasound Assessment of Joints in Patients with Rheumatoid Arthritis: the Relationship with Clinical and Radiographic Indicators***Olga Alekseeva, Alexander Volkov, Alexander Smirnov, Evgeny Nasonov**Va Nasonova Research Institute of Rheumatology, Russian Federation***SE-299****Analysis of Misdiagnosis of Cervical Aggressive Fibromatosis after Thyroid Cancer Surgery***Miao Shi, Xin Li**Liaocheng People's Hospital, China***SE-300****The Efficacy of Platelet-Rich Plasma Injections for Different Stage of Osteoarthritic Knee: A Synovial Membrane Investigation with Ultrasound Imaging***Chien Chih Wang**Assistant Professor of Medicine Department, National Yang Ming Chao Tung University, Taiwan. Visiting Staff in Rehabilitation Department, Taichung Veteran General Hospital, Chinese Taipei***SE-301****Ultrasound and CT Findings of Subcutaneous Metastases in Trunk and Pelvis: A Comprehensive Analysis***Yeojin Kim, Hyun Su Kim, Ji Hyun Lee,**Young Cheol Yoon**Veterans Health Service Medical Center, Korea***SE-302****Results of Guidance by Ultrasound of Intra-Articular Injections in the Knee Joint Injuries***Zulai Damdinbayar, Galindev Batbold,**Bymbanyam Dambiinyam, Altanshagai Ankhbayar,**Amarsanaa Baasanjav**Mongolia***SE-303****Ultrasonography-Guided Caudal Epidural Injection in Adolescent Patient with Linezolid-Induced Peripheral Polyneuropathy***Jang Hyuk Cho**Keimyung University Dongsan Medical Center, Korea***SE-304****Ultrasonography Manifestation of Intravascular Fasciitis in the Common Femoral Vein: A Case Report***Wen Chen, Hengtao Qi, Tiezheng Wang, Yeting Wang, Kezhen Qin**Shandong Provincial Hospital Affiliated To Shandong First Medical University, China***SE-305****Large Epidermal Cyst Case Report***Khishgee Tsolmon¹, Garamjav Khishigdavaa²**¹Mongolian National University of Medical Sciences, Mongolia**²Mongolian Society of Radiology, Mongolia***SE-306****Case Sharing of Ultrasonography of Distal Biceps Tendon Injury***Bing Li, Xiaohui Liu**Peking University People's Hospital, China***SE-307****Pigmented Villonodular Synovitis (PVNS) Diagnosed with Ultrasound***Khandsuren Ochirpurev, Lkhagvasuren Gonchigsuren**Mongolian National Trauma and Orthopaedic Research Center of Mongolia, Mongolia***SE-308****Friend or Foe? Ultrasound for Distinguishing Types of Lymphadenopathy***Stefanie Yip, James Griffith**Prince of Wales Hospital, Hong Kong, China*

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Two-Dimensional Ultrasound and Shear Wave Elastography in Infants with Late-Referral Congenital Muscular Torticollis

Miao Li, Chen Zhang

The Second Affiliated Hospital of Xi'an Jiaotong University, China

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Lei Liu, Ruijie Wang, Qiuying Zheng, Zhouqin Lin, Jingran Zhou, Fusui Xie, Tingting Liu, Luyao Zhou
Shenzhen Children's Hospital, China

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US Guided Mwa Management for TRAP in a Cardiac Twin

Purevbaatar Bat-Ireedui, B Chinzorig, G Sansar
Mongolia

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The Prenatal Ultrasound Diagnosis and Postnatal Outcome of Polydactyly

Xiaowei Xiong, Qingqing Wu
Beijing Obstetrics and Gynecology Hospital, Capital Medical University, China

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Contrast-Enhanced Ultrasound in Evaluating Blood Perfusion of Kidney with Vascular Injury :Case Series of Young Children

Zhen Shentu, Luyao Zhou, Xa Feng
Shenzhen Children's Hospital, China

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The Combination 3D Ultrasound Images and Advanced Robotic Technology Digital PCR for Fetal Genetic Screening

Dina Kim¹, Alexander Nagay¹, Rustam Niyazov²

¹National University of Uzbekistan, Uzbekistan

²Medbioline, Uzbekistan

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Neonatal Cranial Cystic Change in Ultrasound Diagnosis

Baigalmaa Ulaankhuu, Baigalmaa Ulaankhuu
Gurvan Gal General Hospital, Mongolia

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Ultrasound Measurement of the Anterior Fontanelle Size in Infants with Deformational Plagiocephaly in Korea

Dong Rak Kwon, Gi Young Park, Jae Hee Lee
Daegu Catholic University Medical Center, Korea

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Sonographic Insight into Neonatal Hydrometrocolpos: Unraveling Diagnostic Challenges and Guiding Therapeutic Interventions

Han Guan Hoe
Hospital Kuala Lumpur, Malaysia

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Shining a Light on Pediatric Ultrasound: CEUS Illuminates the Path to Better Diagnosis

Jae-Yeon Hwang¹, Young Hun Choi¹, Jung-Eun Cheon¹, Seung Hyun Lee¹, Yeon Jin Cho¹, Seul Bee Lee¹, Yong Woo Kim²

¹Seoul National University Hospital, Korea

²Pusan National University Yangsan Hospital, Korea

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A Case Report of Wilms' Tumor of 7 Months Old Boy

Zolzaya Narmandakh¹, Uuganlkham Tsetseg-Ulzii², Ariuntungalag Myagmar³

¹Ase Hospital, Mongolia

²Gurvan Gal hospital, Mongolia

³NCMCH, Mongolia

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Can We Predict Timing of Vesicoureteral Reflux by Renal Ultrasonography in Children?

Woo Geun Ahn, Sun Kyoung You
Chungnam National University Hospital, Korea

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Yuen Hei Mak, Hoi To Lau, Leanne Han Qing Chin, Grace Ho
Queen Mary Hospital, Hong Kong, China

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Changes of Cardiac Function in Preterm Infants of Different Gestational Ages

Zehang Hu, Shumin Fan
Shenzhen Children's Hospital, China

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Congenital Diaphragmatic Hernia

Huiyong Hu, Xiaoping Jing, Yunfeng Xu
Shanghai Children's Hospital, Shanghai Jiao Tong University, School of Medicine, China

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Para-Esophageal Hernia in 7-Month-Old Girl: Case Report

Uuganlkham Tsetseg-Ulzii, Zolzaya Narmandakh
Gurvan Gal Hospital, Mongolia

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Application of Machine Learning to DDH Screening
Shuangshuang Zhang, Na Xu, Xiao Yi Chen, Zi yi Wang
 Department of Medical Ultrasound, Shenzhen Children's Hospital, China

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Rare Presentation of Rapidly Involuting Congenital Hemangioma of the Skulla Case Report
Yan-Li Hu, Hongmei Dong
 Women and Children's Hospital of Chongqing Medical University, China

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Huiyong Hu, Xiaoping Jing
 Shanghai Children's Hospital, Shanghai Jiao Tong University, School of Medicine, China

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Contrast-Enhanced Ultrasound of Transplant Liver with Transcapsular Arterial Neovascularization: A Case Report
Zhen Shentu, Luyao Zhou
 Shenzhen Children's Hospital, China

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Mir Mahin Ashraf
 Popular Diagnostic Centre Ltd, Bangladesh

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Shear Wave Elastography of Pediatric Chronic Liver Disease
Agilan Ozyerman, Zhanar Kozhakhmetova
 CF UMC, Kazakhstan

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Ultrasonography of Perforated Choledochal Cyst in Children: Two Cases Report and Review of Literature
Ziyi Wang, Na Xu, Luyao Zhou, Jianyao Wang, Bin Wang
 Shenzhen Children's Hospital, China

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Ultrasonic Diagnosis and Prognosis Assessment of Fetal Neck Masses
Peipei Zhang, Yixiu Zhang, Qing Dai, Hua Meng, Zhonghui Xu, Yunshu Ouyang, Xining Wu
 Peking Union Medical College Hospital, China

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New Applications of ADF Advance Dynamic Flow
Musarrat Hasan, Fatima Musarrat Hasan
 Institute of Ultrasound Imaging Karachi-Pakistan, Pakistan

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Kwan Wai Li
 Tuen Mun Hospital, Hong Kong, China

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Evaluation of Acoustic Lenses for Scanning Acoustic Microscopy Application Using Home-Made Urethane Phantoms
*Bernadette Carolina Fritzie¹, Yong Tae Kim^{*2}, Il Doh², Kyungmin Baik², Jooho Lee²*
¹University of Science and Technology, Korea
²Korea Research Institute of Standards and Science, Korea

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A Novel Microwave Antenna with Enhanced Cooling System for More Spherical Ablation Zones: Numerical Simulation, Ex Vivo and in Vivo Validation
Qiao-Wei Du, Ping Liang
 Chinese PLA General Hospital, China

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Ultrasound Doppler Imaging under HIFU Exposure Using Adaptive SVD Filtering
Doyoung Jang, Heechul Yoon
 Dankook University, Korea

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Ultrasound Localization Microscopy: A New Frontier in Brain Vascular Network Imaging
Hyojin Seong, Jinhwan Jung, Kisang Eom, Jeasok Yu, Jungho Hyun
 DGIST, Korea

[Therapeutic Ultrasound]

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Evaluation of Central Nervous System (CNS) Metastatic-Prostate Tumor Response to Magnetic Resonance Imaging (MRI)-Guided Focused Ultrasound in Combination with Radiation Therapy

Deepa Sharma, Evan McNabb, Benjamin Geraghty, Colleen Bailey, Murtuza Saifuddin, Wenyi Yang, Anoja Giles, Martin Stanis, Arjun Sahgal, Gregory J. Czarnota
Sunnybrook Health Sciences Centre, Canada

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Assessing the Therapeutic Effect of Acoustically-Stimulated Nanobubbles and Radiation Therapy on Prostate Tumor Model

Deepa Sharma¹, Anoja Giles¹, Adesh Suchit¹, Kai Xuan Leong¹, Wenyi Yang¹, Elizabeth Berndt², Martin Stanis¹, Agata A. Exner³, Michael C. Kolios², Gregory J. Czarnota¹

¹Sunnybrook Health Sciences Centre, Canada

²Toronto Metropolitan University, Canada

³Case Western Reserve University, USA

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Multifunctional Nano Ultrasound Contrast Agent Inhibits Liver Cancer and Metastasis

Yijie Qiu, Wen-Ping Wang
Zhongshan Hospital, Fudan University, China

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Histotripsy Near Gas-Filled Bowel in an Ex Vivo Swine Model

Meridith Kisting¹, Adrienne Kisting¹, Jim White¹, Charles Bradley², Annika Rossebo¹, Paul Laeseke¹, Martin Wagner¹, Fred Lee Jr.¹, Timothy Ziemlewicz¹

¹University of Wisconsin-Madison, USA

²University of Pennsylvania School of Veterinary Medicine, USA

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Ultrasound-Mediated Drug Release Avoids N2 Polarization and Enhances Sustained Targeting for Residual Tumor Therapy Post-IRFA

Songying Pi, Hui Chen, Yongquan Huang, Danni Yang
Sun Yat-Sen University, China

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Transcranial Focused Ultrasound-Based Closed-Loop Epilepsy Control with Artifact Minimized ECoG Recording on the Temporal Lobe Epilepsy Rat Model

Jeungeun Kum¹, Sungjun Lee², Hyungmin Kim¹

¹KIST, Korea

²Sungkyunkwan University, Korea

SE-345

Ultrasonocoverslip: In-Vitro Platform for High-Throughput Assay of Cell Type-Specific Neuromodulation with Ultra-Low-Intensity Ultrasound Stimulation

Keunhyung Lee¹, Jung Moo Lee², Tien Thuy Phan², C. Justin Lee², Joo Min Park², Jinhyoung Park¹

¹Sungkyunkwan University, Korea

²Institute for Basic Science, Korea

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Bidirectional Neuronal Control of Epileptiform Activity by Repetitive Transcranial Focused Ultrasound Stimulation

Taewon Choi, Minseok Koo, Jinhyoung Park
Sungkyunkwan University, Korea

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Truncated PDI Engineered Gas-Producing Extracellular Vesicles for Ultrasound Imaging and Subsequent Degradation of PDL1 in Tumor Cells

Siyan Zhang, Lijun Yuan
Tangdu Hospital, Fourth Military Medical University, China

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Using Ultrasound Irradiation Prevents Disuse Muscle Atrophy in Rats with a Hindlimb Taping Model

Ryosuke Niwa¹, Hiroshi Ichikawa¹, Iwaki Akiyama¹, Yukiko Minamiyama²

¹Doshisha University, Japan

²Kyoto Prefectural University, Japan

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Enhancing Thrombolytic Therapy by Using Clinical Ultrasound with Microbubble Contrast Agent

Takako Shirakawa¹, Tsutomu Matsuura¹, Norio Sekine¹, Norio Nakata², Miki Ochi², Hiroyuki Takahashi², Hirotaka Okano², Tomoyuki Ohta³

¹Tokyo Metropolitan University, Japan

²Jikei University School of Medicine, Japan

³International University of Health and Welfare, Japan

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Comparative Assessment of Focused Ultrasound-Assisted Photodynamic Therapy for Blood-Brain Barrier Opening

Sangheon Han, Junwon Park, Chanho Kong, Won Seok Chang
Severance Hospital, Korea

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Enhanced Efficacy of Antiepileptic Drug through Focused Ultrasound-Mediated Drug Delivery in an Epilepsy Model

Jiwon Baek¹, Bong Soo Kim², Won Seok Chang¹

¹Severance Hospital, Korea

²The Catholic University of Korea, Incheon St. Mary's Hospital, Korea

SE-352**FUS-induced BBB Opening Enhances Lazertinib Delivery in the Treatment of Metastatic Brain Tumor Rat Model**

*Chanho Kong, Shinyoung Oh, Sangheon Han,
Won Seok Chang
Severance Hospital, Korea*

SE-353**Diagnosis of the Pineoblastoma by Neonatal Cranial Ultrasound**

*Dulamsuren Khishigdorj
Gurvan Gal Hospital of Mongolia, Mongolia*

[ETC]**SE-354****The Value of Ultrasonic Strain Elastography in the Diagnosis of Subpleural Lung Lesions**

*Jixin Shu, Yin Wang
Shanghai Pulmonary Hospital, China*

SE-355**Ultrasound Examination at a Fever Outpatient Clinic during the Coronavirus Outbreak**

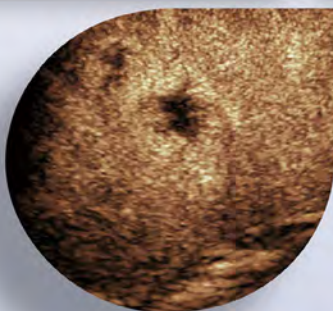
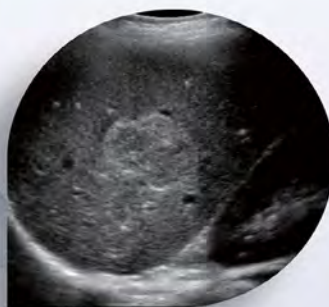
*Yoshihiro Mizuma
Higashi Kobe Hospital, Japan*

SE-356**Adaptive Oversampling Based on Isolated Forest: Algorithms and Applications in Unbalanced Medical Dataset**

*Shi-Hao Xu
The First Affiliated Hospital of Wengzhou Medical
University, China*

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References: 1. Contrast enhanced ultrasound for the characterization of focal liver lesions – Diagnostic accuracy in clinical practice (DEGUM multicenter trial) – D. Strobel et al., Ultraschall in Med 2006; 29:499-505 2. Role of contrast-enhanced ultrasound in the blinded assessment of focal liver lesions in comparison with MDCT and CEMRI: Results from a multicentre clinical trial - F. Tranquart et al., European Journal of Cancer Supplements 2008; 6: 9-15.

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Samsung's Innovation for Ultrasound

Chair Eun Kyung Kim (Yongin Severance Hospital, Korea)

12:00 - 12:30 Initial Experience Using "Live BreastAssist":
Incorporation into Routine Clinical Practice

Adrian K. Lim

(Imperial College London and Healthcare NHS Trust, UK)

12:30 - 13:00 Early Experience of Real-Time Tele-mentored
Echocardiography in Resource-limited Situation

Seong Woo Han

(Hallym University Dongtan Sacred Heart Hospital, Korea)

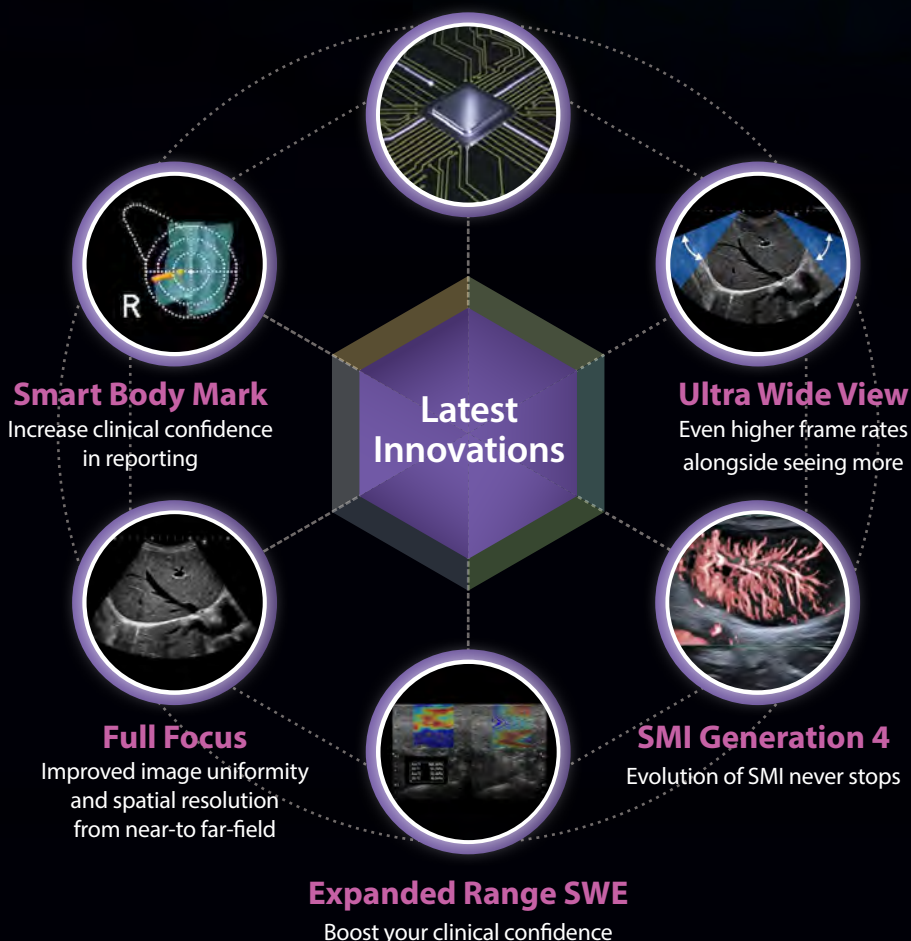
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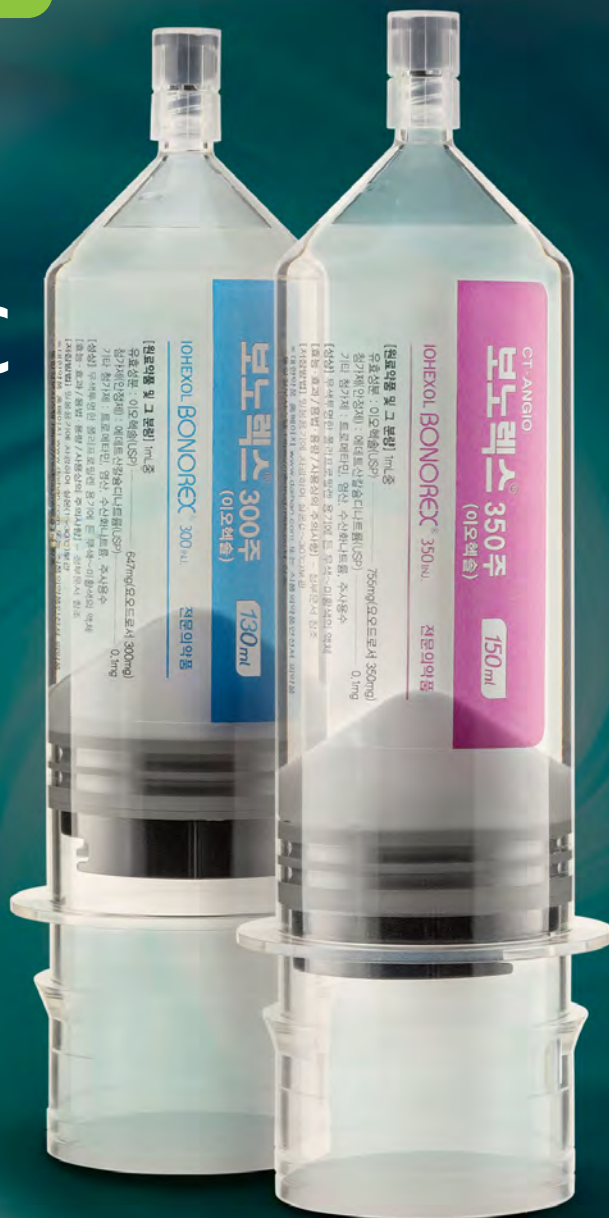


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