

# 대한치료초음파학회 프로그램

<b>May 09 (Thu)</b> <b>07:50-08:20</b>	<b>Meet the Professor 1</b>	<b>GBR 101</b>
<b>Chair(s)</b>	Yongrae Roh (Kyungpook National University, Korea) Young-sun Kim (MINT Intervention Hospital, Korea)	
	<b>Ultrasound-induced Artificial Hibernation</b> Hong Chen (Washington University in St. Louis, USA)	
<b>May 09 (Thu)</b> <b>08:30-10:00</b>	<b>Categorical Course 1</b> Ultrasound Therapy for Brain Diseases	<b>GBR 101</b>
<b>Chair(s)</b>	Jin Woo Chang (Korea University Anam Hospital, Korea) Hyungmin Kim (Korea Institute of Science and Technology, Korea)	
08:30-09:00	<b>Enhancement of Glymphatic Activity in Neurodegenerative Disease Using Low-Intensity Ultrasound Treatment</b> Jaeho Kim (Hallym University Medical Center, Korea)	
09:00-09:30	<b>First-in-Human Prospective Trial of Sonobiopsy in High-Grade Glioma Patients Using Neuronavigation-guided Focused Ultrasound</b> Hong Chen (Washington University in St. Louis, USA)	
09:30-10:00	<b>Novel Approach to Apply Focused Ultrasound for Brain Diseases</b> Won Seok Chang (Severance Hospital, Korea)	
<b>May 09 (Thu)</b> <b>10:20-11:50</b>	<b>Scientific Session 1</b>	<b>GBR 101</b>
<b>Chair(s)</b>	Hak Jong Lee (Seoul National University Bundang Hospital, Korea) Eun-Joo Park (Seoul National University Hospital, Korea)	
10:20-10:30	<b>Localization of the Histotripsy Bubble Cloud Treatment Zone In Vivo via Cone-Beam CT instead of Ultrasound</b> Katrina Falk, University of Wisconsin-Madison, United States	
10:30-10:40	<b>Histotripsy of the ureter and renal pelvis in a porcine survival model</b> Adrienne Kisting, University of Wisconsin-Madison, United States	
10:40-10:50	<b>Drug loaded nested microbubbles for sonoporation</b> Jongbum Seo, Yonsei Univ, Korea	
10:50-11:00	<b>Ultrasound-activated CRISPR/Cas9 delivery system alleviates cardiac fibrosis post myocardial infarction</b> Lijun Qian, The first affiliated hospital of Nanjing Medical University, China	
11:00-11:10	<b>Perfluorocarbon nanodrug induced oxygen self-enriching sonodynamic therapy improves cancer immunotherapy after insufficient radiofrequency ablation</b> Tongyi Huang, The First Affiliated Hospital of Sun Yat-sen University, China	
11:10-11:20	<b>Phase 1 Clinical Trial Using Focused Ultrasound-Stimulated Microbubbles to enhance Radiation treatment for Head and Neck Cancer</b> Deepa Sharma, Sunnybrook Health Sciences Centre, Canada	
11:20-11:30	<b>Phase Modulated Ultrasonic Transmission for Precise Control of Blood-brain Barrier Opening</b> Seoyun Chang, Sungkyunkwan University, Korea	
11:30-11:40	<b>Deep Learning Approach Enables Radiation-Free tFUS Treatment Planning with Synthetic CT</b> Tae Young Park, Korea Institute of Science and Technology, Korea	
11:40-11:50	<b>Ultrasound-activated analgesic piezoelectric gel system for whole-course-management of type 2 diabetic wounds</b> Xin Guan, Fudan University, Shanghai, China	
<b>May 09 (Thu)</b> <b>15:10-16:40</b>	<b>Special Focus Session 2</b> Ultrasound Therapy for Abdominal Cancer	<b>GBR 101</b>
<b>Chair(s)</b>	Hyunchul Rhim (Samsung Medical Center, Korea) Jae Young Lee (Seoul National University Hospital, Korea)	
15:10-15:40	<b>A General Overview of Histotripsy in Mechanical Tissue Destruction</b> Ki Joo Pahk (Kyung Hee University, Korea)	
15:40-16:10	<b>Histotripsy: Clinical Outcomes and Future Directions</b> Timothy Ziemlewicz (University of Wisconsin, USA)	
16:10-16:40	<b>Focused Ultrasound for Pancreatic Cancer: Past, Current and Future</b> Dongho Lee (Seoul National University Hospital, Korea)	