KSTU
Korean Society for Therapeutic Ultrasound

2023년도 대한치료초음파학회 제9차 학술대회

9th Annual Congress of The Korean Society for Therapeutic Ultrasound

2023년 10월 6일(금) - 7일(토)
서울 더케이호텔

프로그램

10월 6일 (금)

08:50-09:00	Opening Remarks	이재영 (KSTU 회장)
Education Session : Basics of Therapeutic Ultrasound		
09:00-09:20	Mechanism of Bioeffect by Therapeutic Ultrasound	박은주 (서울대병원)
09:20-09:40	Overview of Clinical Application of HIFU Therapy	김영선 (민트병원)
09:40-10:00	Ultrasonic Transducer for Therapeutic Applications	이병철(한국과학기술연구원)
Plenary Lecture I		
10:00-10:40	The Future Perspective of Brain MRgFUS for Neurosurgery : Lessons Learned, Trouble Faced and Future Direction at Yonsei University	장진우 (연세의대)
10:40-11:10	Coffee Break	
Physics & Technology Session : Physics and Technology for Advanced Therapeutic Ultrasound		
11:10-11:30	Development of a Robotic FUS System Toward Safe and Precise Brain Stimulation	서준호 (한국기계연구원)
11:30-11:50	Super-resolution Techniques for the Transcranial Focused Ultrasound Simulation	신민우 (연세대학교)
11:50-12:10	Acoustic Stress and Force Control Based on Patterned Interference Radiation Force (PRIF)	박관규 (한양대학교)
Scientific Session I		
12:40-13:40	Lunch	
International Session		
13:40-14:00	Enhanced Sonodynamic Therapy by Carbon Dots-shelled Microbubbles with Focused Ultrasound	Ching-Hsiang Fan (National Cheng Kung University)
14:00-14:20	Therapeutic Prospects of Gene Delivery using Ultrasound and Nanobubbles	Hiroshi Kida (Fukuoka University)
14:20-14:40	Ultrasound Neuromodulation Induces Network Excitation of Cortical Neurons Through the Activation of Mechanosensitive Channels	Masafumi Shimojo (National Institutes for Quantum and Radiological Science and Technology)
14:40-15:00	Building MR-guided Focused Ultrasound System: First Experience from National Taiwan University Hospital	Chih-Horng Wu (National Taiwan University Hospital)
15:00-15:30	Poster Session / Coffee Break	
Neurology Session (Basic) : Novel Approach of Focused Ultrasound Application for Brain Diseases		
15:30-15:50	Bidirectional Control of Epileptiform Activity by Focused Ultrasound Stimulations	박진형 (성균관대학교)
15:50-16:10	Treating Cancers Via Ultrasonically Powered Microdevices	송승현 (숙명여자대학교)
16:10-16:30	Ultrasound-mediated Neuromodulation	이현주 (한국과학기술원)
16:30-17:00	Debate / Policy	
17:00 ~	General Assembly	김형민 (KSTU 총무이사)

Secretariat of 2023 KSTU
TEL +82-2-2135-3380 FAX +82-2-564-2123 E-MAIL kstu.official@gmail.com
#C-606, Doosan The Land Park, 161-8, Magokjungang-ro, Gangseo-gu, Seoul

KSTU
Korean Society for Therapeutic Ultrasound

KSTU
Korean Society for Therapeutic Ultrasound

2023년도 대한치료초음파학회 제9차 학술대회

9th Annual Congress of The Korean Society for Therapeutic Ultrasound

2023년 10월 6일(금) - 7일(토)
서울 더케이호텔

프로그램

10월 7일 (토)

Industry Session		
09:00-09:15	자궁근종 치료를 위한 **Sonotrip V20**의 유효성과 안정성 연구의 결과	박수진 (Jeisys Medical, 서울대학교병원)
09:15-09:30	비침습적 뇌신경조절을 위한 저강도 집속형초음파자극시스템 개발	서선일 (Neurosona)
09:30-09:45	**Drug Loaded Sono-sensitive Nanoparticle**의 집속초음파 조건에 따른 약물 방출효과 연구	김대승 (IMGT)
09:45-10:00	**Development of a Histotripsy System Capable of Diagnosis and Therapy for Thyroid Tumour Treatment**	허정민 (Alpinion)
Plenary Lecture II		
10:00-10:40	**Focused Ultrasound Strategies for Treating Neoplastic Diseases**	Richard J Price (University of Virginia)
10:40-11:10	**Coffee Break**	
Neurology Session (Clinical) : New Indication of Low Intensity Focused Ultrasound		
11:10-11:30	**A Pilot Study of Low-intensity Ultrasound for Patients with Prodromal AD and AD Dementia**	김재호 (한림대학교)
11:30-11:50	**Effect of Low-Intensity Transcranial Focused Ultrasound Stimulation in Patients with Major Depressive Disorder: A Randomized, Double-Blind, Sham-Controlled Clinical Trial**	석정호 (연세대학교)
11:50-12:10	**Focused Ultrasound in the Treatment of Alzheimer's Disease**	박소희 (영남대학교)
Scientific Session II		
12:40-13:40	**Lunch**	
Scientific Session III		
15:10-15:40	**Coffee Break**	
Oncology Session : Oncologic Application of Focused Ultrasound: Current and Future		
15:40-16:00	**Recent Update in Application of HIFU for Pancreatic Cancer**	이동호 (서울의대)
16:00-16:20	**The Role of HIFU in Prostate Cancer Treatment**	이학민 (분당서울대병원)
16:20-16:40	**Clinical Potential of Histotripsy in Cancer Treatment**	박기주 (경희대학교)
16:40 ~	**Award & Closing Ceremony**	김형민 (KSTU 총무이사)

Secretariat of 2023 KSTU
TEL +82-2-2135-3380 FAX +82-2-564-2123 E-MAIL kstu.official@gmail.com
#C-606, Doosan The Land Park, 161-8, Magokjungang-ro, Gangseo-gu, Seoul

KSTU
Korean Society for Therapeutic Ultrasound