

# 2022년도 대한치료초음파학회 제 8 차 학 술 대 회

일시: 2022년 10월 29일(토) 08:00~18:20 장소: 서울대학교병원 의학연구혁신센터

## Program

08:00-09:00	등록	
09:00-09:10	개회사	최민주 (KSTU 회장)
<b>Session 1: Potentials of Therapeutic US in Neurodegenerative Diseases</b>		<b>좌장: 이학중 (분당서울대병원), 김형민 (KIST)</b>
09:10-09:35	Strategies for developing pathophysiology-based therapies in Alzheimer's disease	최유리 (서울대병원)
09:35-10:00	Brain lymphatics and its implications in Alzheimer's disease	김재호 (한림대학교)
10:00-10:25	BBB modulation by transcranial FUS for neurodegenerative disease	장원석 (연세대학교)
10:25-10:45	Coffee Break	
<b>Session 2: Plenary Lectures</b>		<b>좌장: 이재영 (서울대병원), 정목근 (대진대학교)</b>
10:45-11:20	Fully electronically steerable ultrasound phased arrays for therapy	Kullervo Hynynen (University of Toronto)
11:20-11:55	Real-time Ultrasound Monitoring Techniques for FUS applications	송태경 (서강대학교)
11:55-12:00	사진촬영	
12:00-13:00	점심시간	
<b>Session 3: International Session (Joint Session with JSTU &amp; TAITU)</b>		<b>좌장: 박은주 (서울대병원), 박기주 (경희대학교)</b>
13:00-13:20	Basic property and clinical application of the ozone ultrafine bubble water (OUFBW)	Shinichi Arakawa (Tokyo Medical and Dental University)
13:20-13:40	Glymphatic system modulation by transcranial ultrasound and its molecular mechanisms	Ming-Yen Hsiao (National Taiwan University)
13:40-14:00	Ultrasound-induced oscillations of bubbles in gels: Microrheology at ultrahigh strain rates	Keita Ando (Keio University)
14:00-14:20	Piezoelectric Stimulation as A Therapeutic Approach: Mechanism and Pitfalls	Jaw-Lin Wang (National Taiwan University)
14:20-14:40	Ultrasound-induced Optical Clearing Microscopy	장진호 (DGIST)
14:40-15:00	Coffee Break & Poster Q/A	
<b>Session 4: Clinical Session (Joint Session with 하이푸연구회)</b>		<b>좌장: 김영선 (민트병원), 최동석 (최상산부인과의원)</b>
15:00-15:20	범부처전주기의료기기연구개발사업	김태형 (범부처의료기기사업단 본부장)
15:20-15:40	HIFU physics & biological effects	김영선 (민트병원)
15:40-16:00	자궁질환 치료를 위한 적절한 하이푸 대상 환자 선정하기	장익진 (그레이스병원)
16:00-16:20	자궁질환 하이푸 치료의 좋은 효과를 위한 주의점	이재성 (이지스로앤산부인과의원)
16:20-16:40	Coffee Break & Poster Q/A	
<b>Session 5: Scientific Session</b>		<b>좌장: 서종범 (연세대학교), 서준호 (KIMM)</b>
16:40-18:00	Experimental and clinical applications for focused ultrasound therapy	
18:00-18:20	총회, 시상식 폐회사	김영선 (KSTU 총무이사) 최민주 (KSTU 회장)