

2020년도 대한치료초음파학회

제 6 차 학 술 대 회

일시: 2020년 10월 31일(토) 13:00-16:50

Program

13:00-13:10 개회사 및 인사말

Session 1: Oversea Webinar: Updates on Ultrasound Neuromodulation

Chairperson: Hyungmin Kim (KIST)

13:10-13:40 Lecture 1. Biomolecular mechanisms of ultrasonic neuromodulation

Sang-Jin Yoo (Caltech)

13:40-14:10 Lecture 2. Awake ovine model of brain stimulation using transcranial focused ultrasound

Hyunchul Kim (Harvard Medical School)

14:10-14:40 Lecture 3. Optimization of beam forming for application of a single element focused ultrasound transducer

Kyungho Yoon (KIST)

14:40-14:50 Coffee Break

Session 2: Excellence in Therapeutic US: Best Research

Chairperson: Hak Jong Lee (Seoul National University Bundang Hospital)

14:50-15:20 Mechanical damage induced by the appearance of rectified bubble growth in a viscoelastic medium during boiling histotripsy exposure

Ki Joo Pahk (KIST)

15:20-15:50 An advanced focused ultrasound protocol improves the blood-brain barrier permeability and doxorubicin delivery into the rat brain

Juyoung Park (DGMIF)

15:50-16:20 Portable ultrasound-guided high-intensity focused ultrasound with functions for safe and rapid ablation: prospective clinical trial for uterine fibroids-short-term and long-term results.

Jae Young Lee (Seoul National University Hospital)

16:20-16:40 총회

16:40-16:50 폐회사 I