

Epilepsy Center of Tsinghua University Yuquan Hospital

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Our epilepsy center which was founded in 2006 is a comprehensive programs for the evaluation, medical and surgical treatment of epilepsy. We have 15 scalp EEG, three 128-channel EEG and one 256-channel EEG. Surgical treats more than 150 epilepsy patients each year. From 2007, we cooperated with Biological engineering of Tsinghua University and started using HFOs to localize function area(motor, sensory, auditory and language area) by ECoG. From December 2013, we started to do SEEG implantation replaced subdural EEG and cooperated with Institute of Psychology to research neuropsychological by ECoG, including memory and motion. We do more than 50 SEEG implantation each year. This year, all of SEEG recording adopted 2000Hz sampling rate, and analyzed interictal and ictal HFOs to localize seizure onset zone.