

Abstract “Clinical Challenge” HFO workshop 2016

Clinical use of High Frequency Oscillations in UMC Utrecht: Practice what you preach

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In the UMC Utrecht >70 epilepsy patients are operated each year, and in total >1200 epilepsy surgeries have been performed. Intraoperative or long-term corticography with subdural grids is performed in most of these patients. We investigate HFOs in corticography as well as scalp EEG for research. During long-term corticography we use interictal and, if possible, ictal HFO analysis of as one of the investigations to decide the resection area. HFOs are reviewed by an experienced HFO reviewer and the results are reported to the clinical neurophysiologist. HFO information is valuable, especially when pathological fast ripples are found.