

Special abstract „Clinical Challenge“

Epilepsy center for children & adolescents Schön Klinik Vogtareuth

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Since 1998 our pediatric epilepsy monitoring unit works as part of the epilepsy center for children & adolescents at the clinic for neuropediatrics and neurologic rehabilitation of the Schön Klinik in Vogtareuth / Germany (92 beds, 17 presurgical places, 5 monitoring places, 256 channels each).

Until Dec 2015 508 children and adolescents underwent epilepsy surgery.

We perform about 120 surface and 16 invasive monitorings per year. The invasive recordings consist in equal parts of subdural grid evaluations in combination with 1- 5 depth electrodes and multiple, robot-assisted implanted depth-electrodes (Stereo-EEG).

Visual analysis of HFO's has been carried out in 23 patients since 2014 (12 subdural grids / 11 S-EEG) as part of the invasive evaluation, serving as additional information for resection planning.