



病例简介

女，3岁10个月

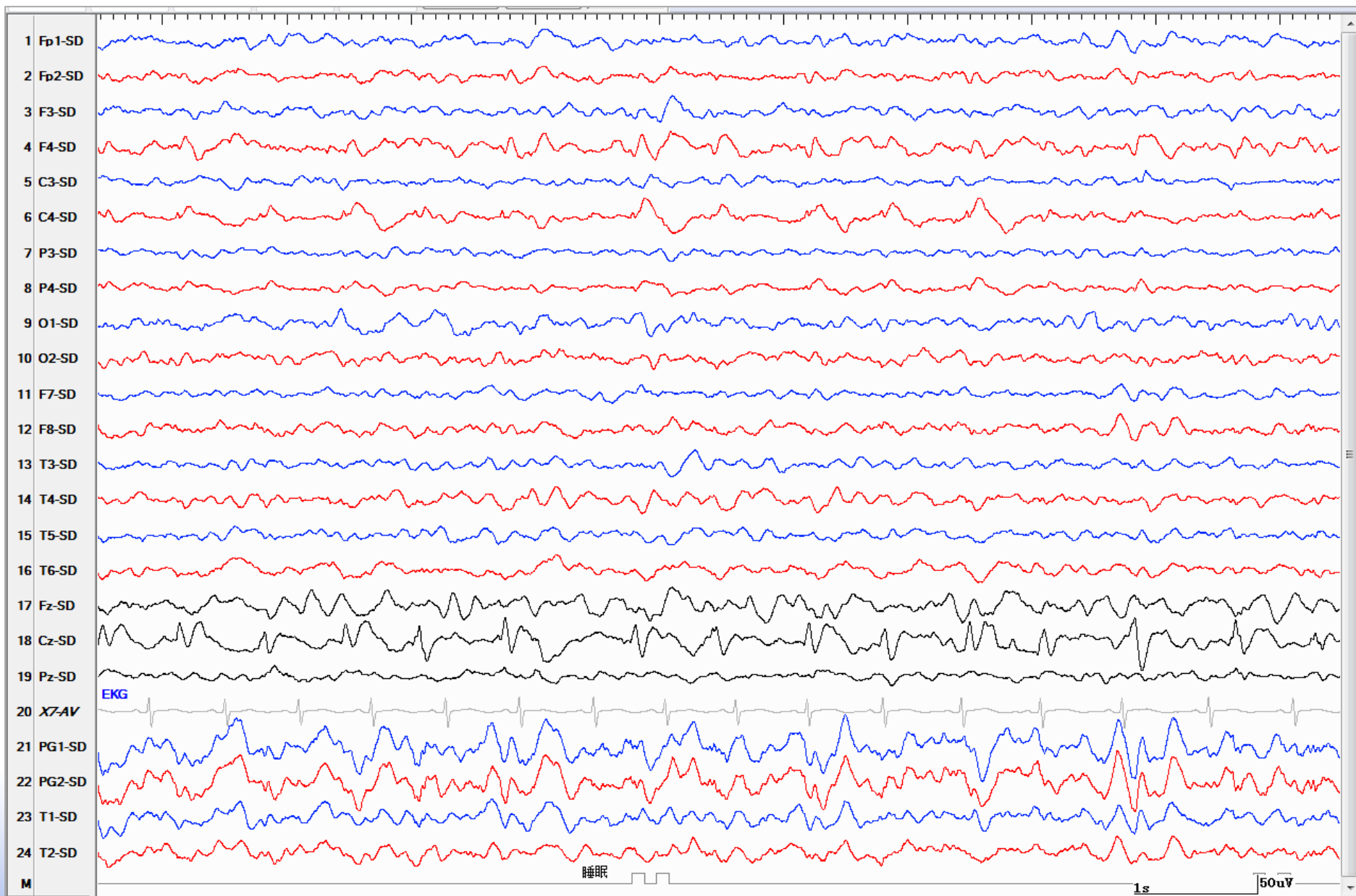
发作性左下肢节律性抖动→僵直，有时波及同侧上肢，偶伴意识障碍，持续数秒至数分钟，最长20分钟，每日数次至十余次，醒睡均发

起病前发育里程碑正常，起病后左下肢运动不灵活，智力轻度落后

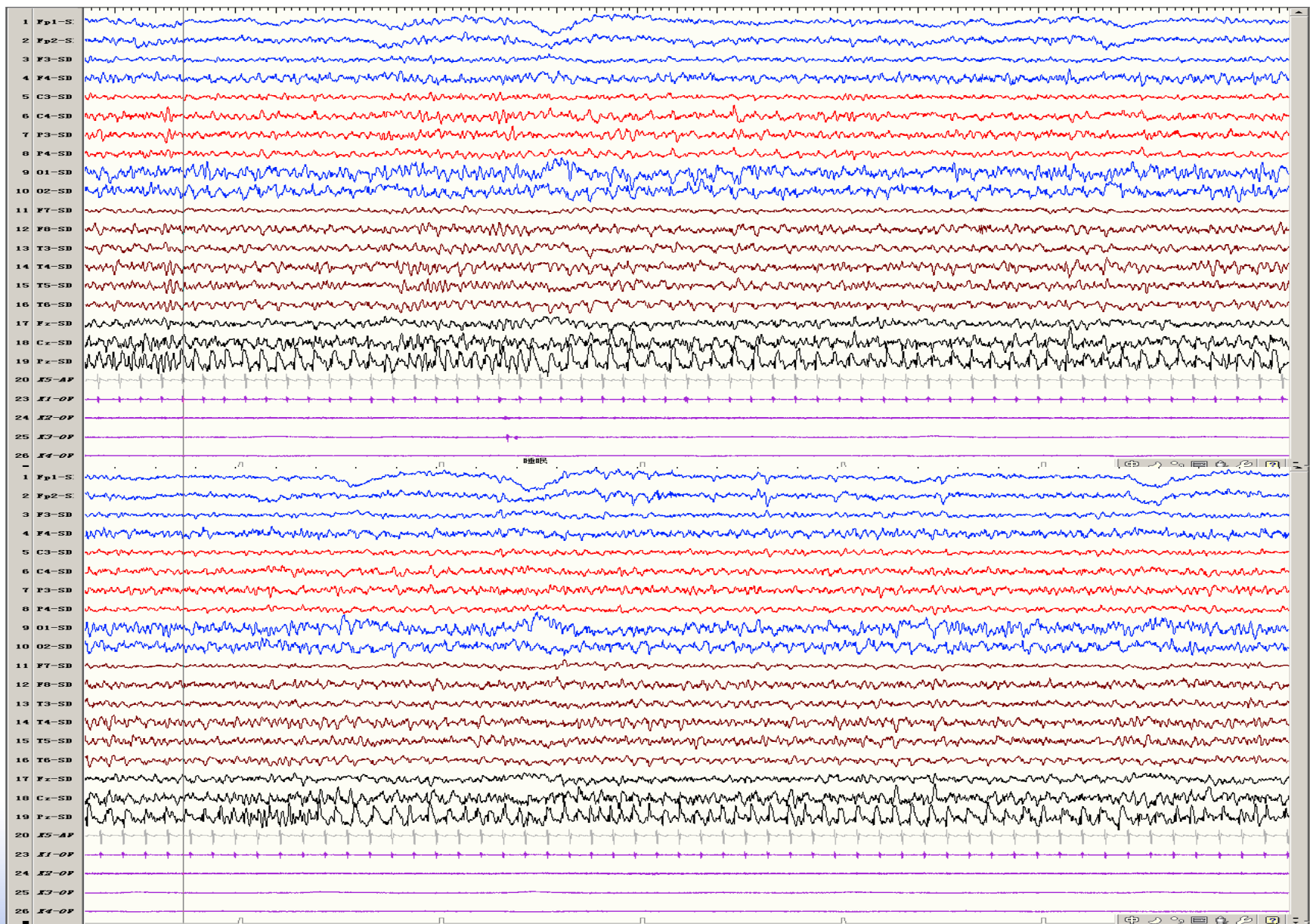
查体：左下肢轻度跛行，左侧踝阵挛
(+/-)

第六届CAAE脑电图与神经电生理大会

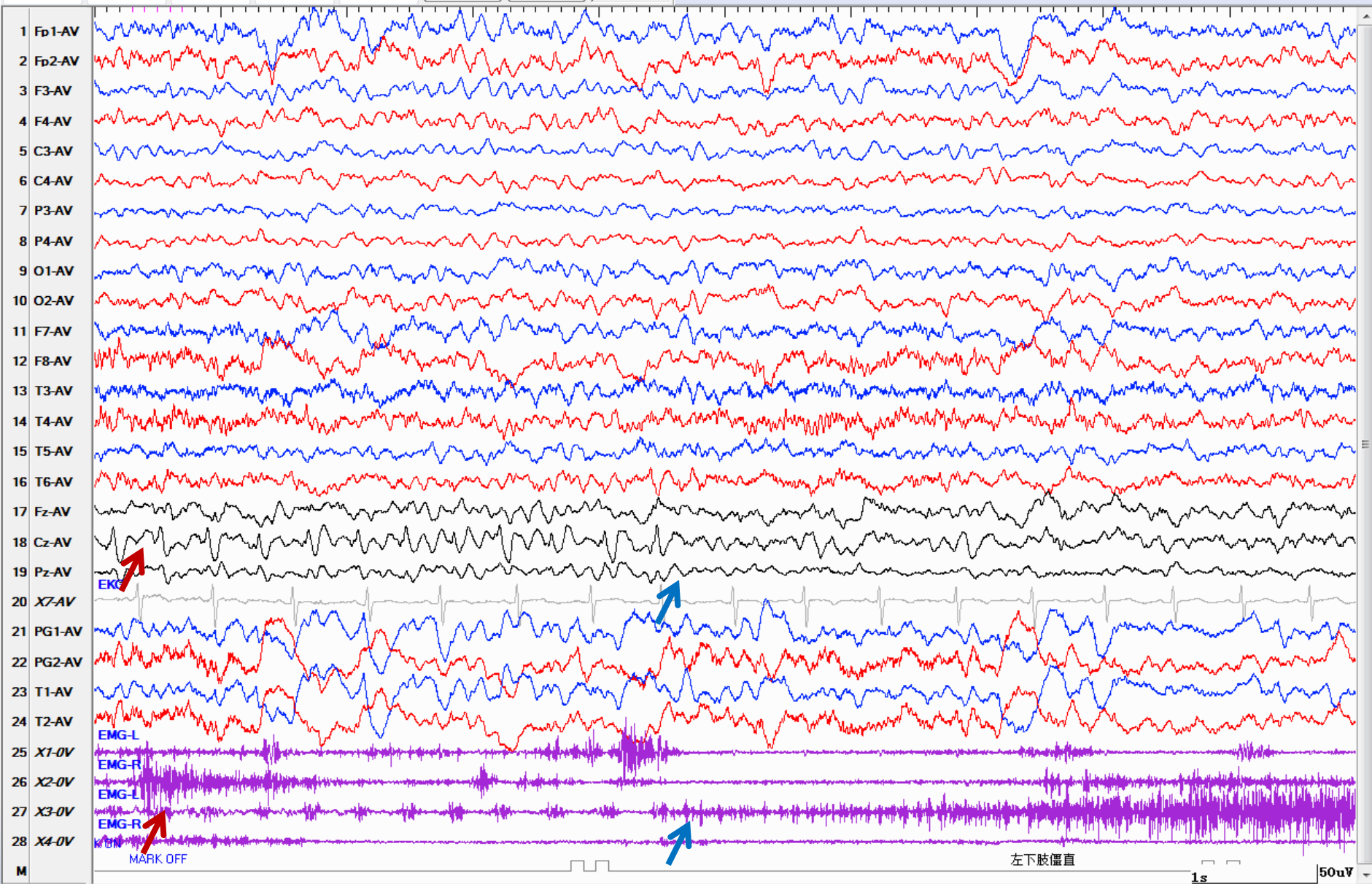
病例展评



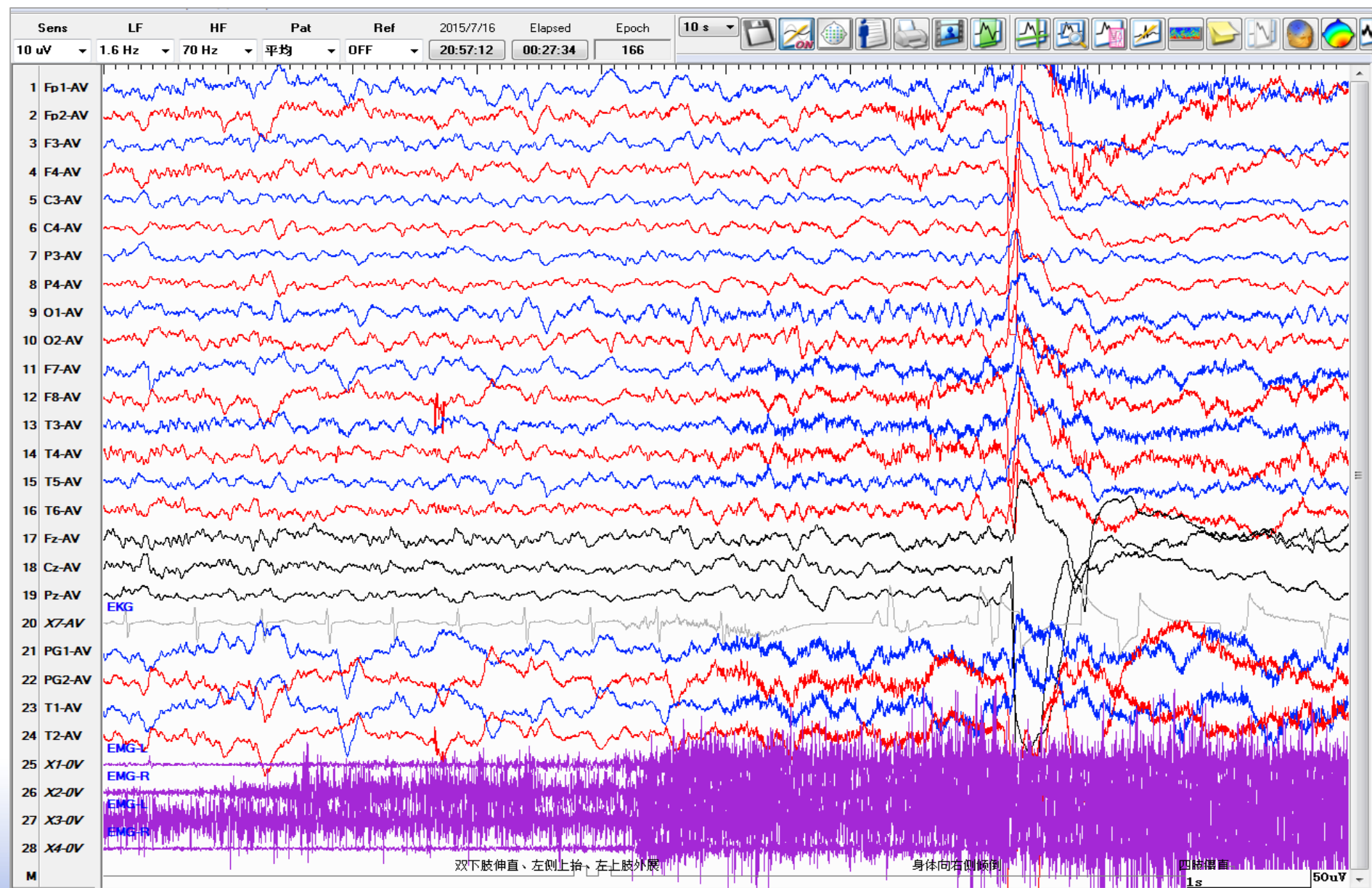
发作间期：Cz 持续周期性棘波，波及F4和C4



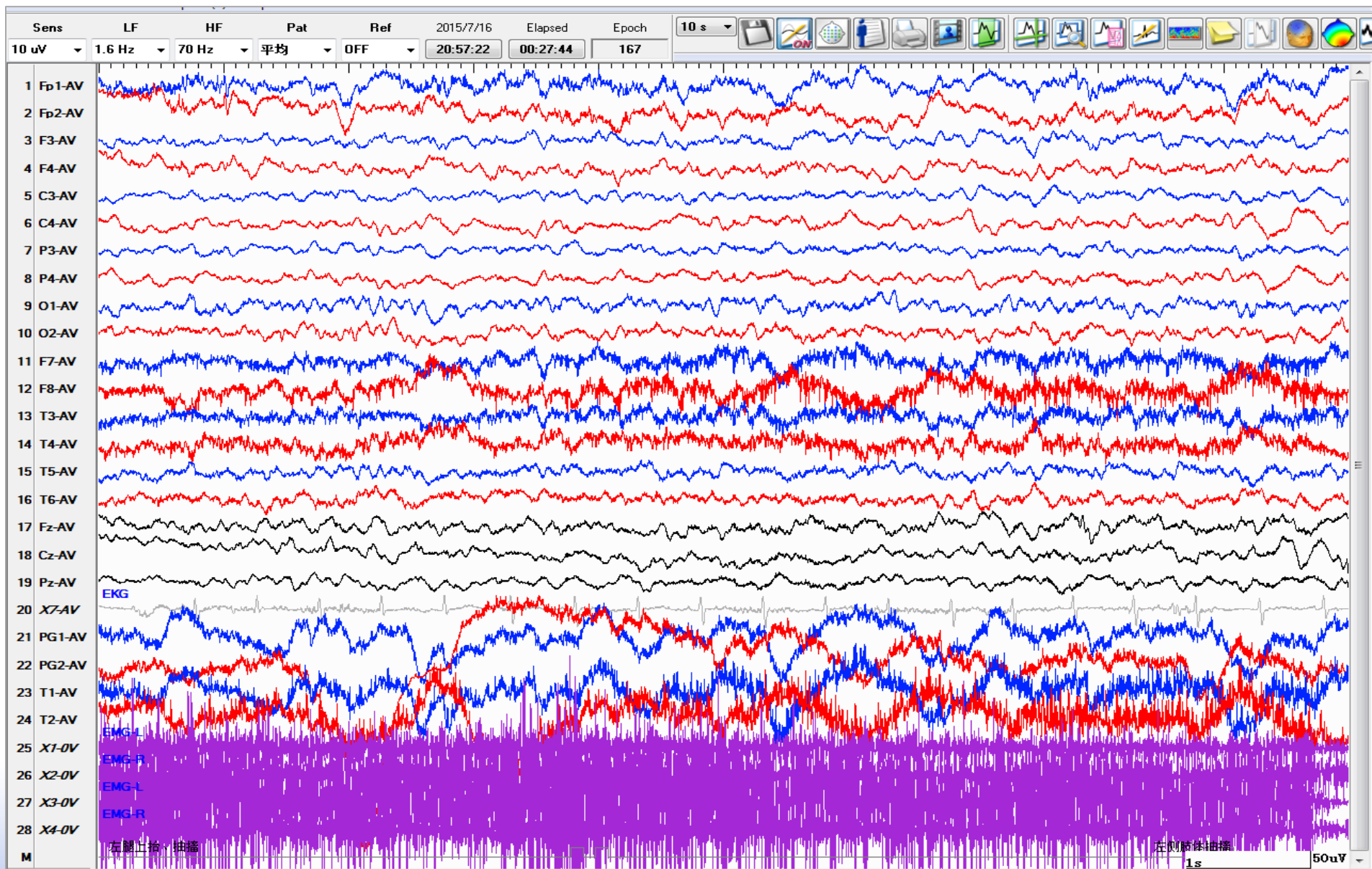
Cz和Pz间期长程电发作，临床无症状



发作起始于Cz伴EMG左下肢阵挛（红箭头）→
Cz棘波消失且Pz电压降低伴左下肢强直（蓝箭头）
（EMG依次为左右三角肌和胫前肌）



(接上图) 四肢不对称强直



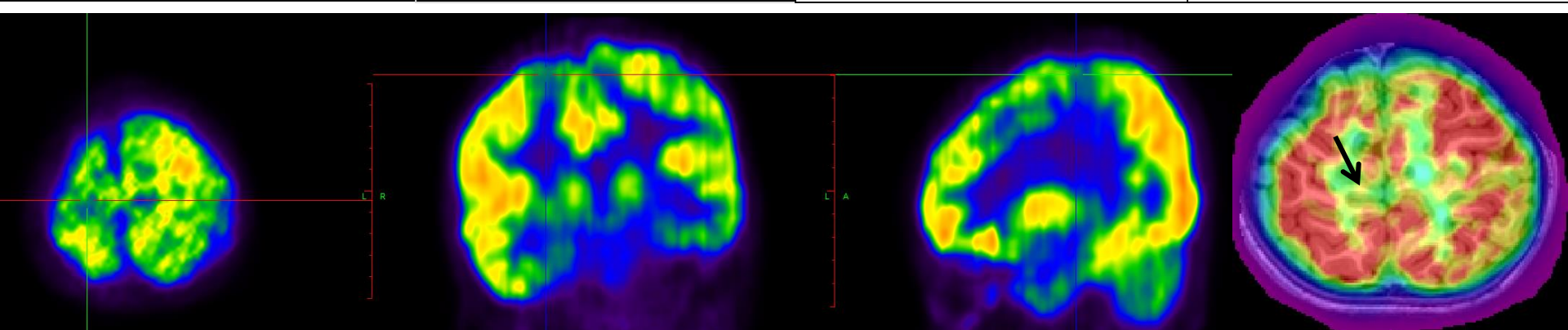
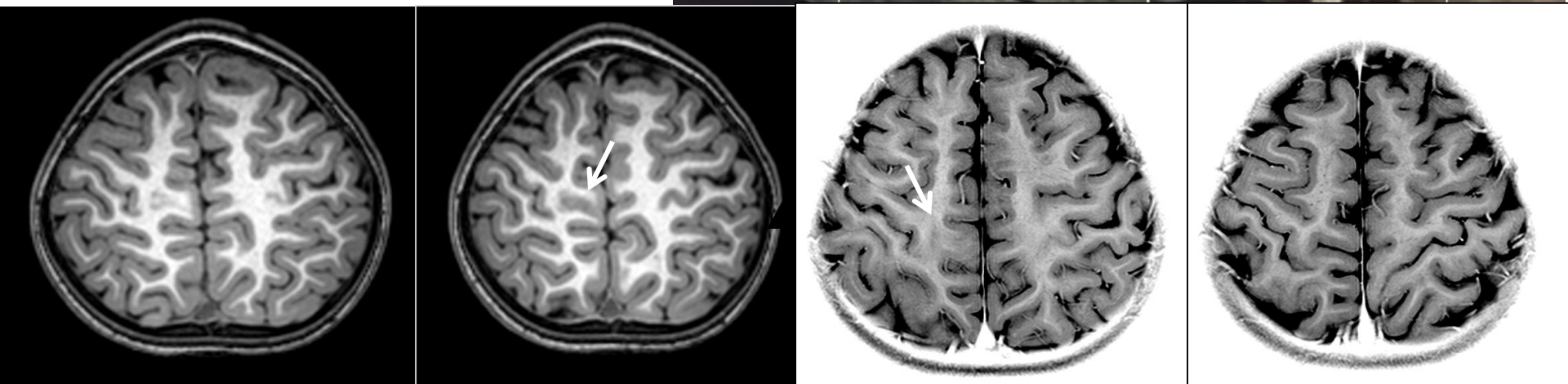
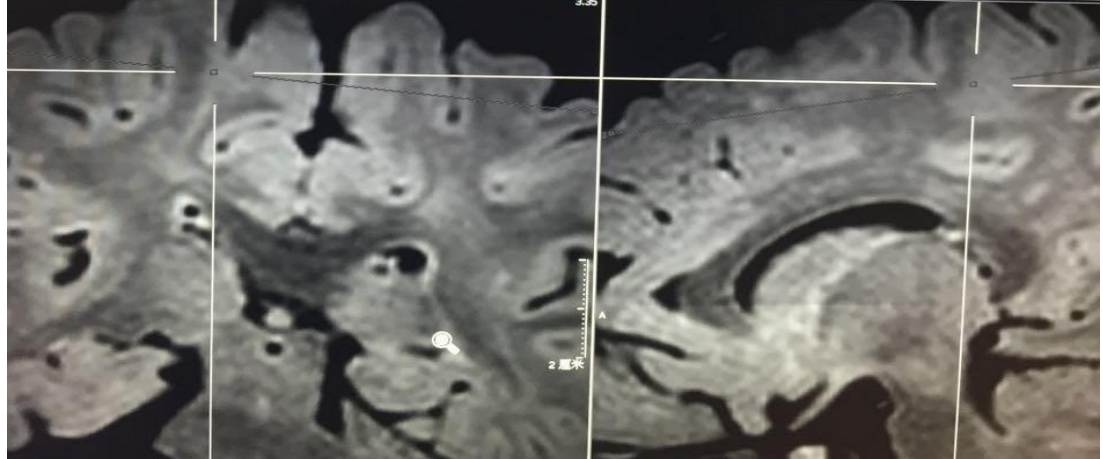
(接上图) 四肢强直

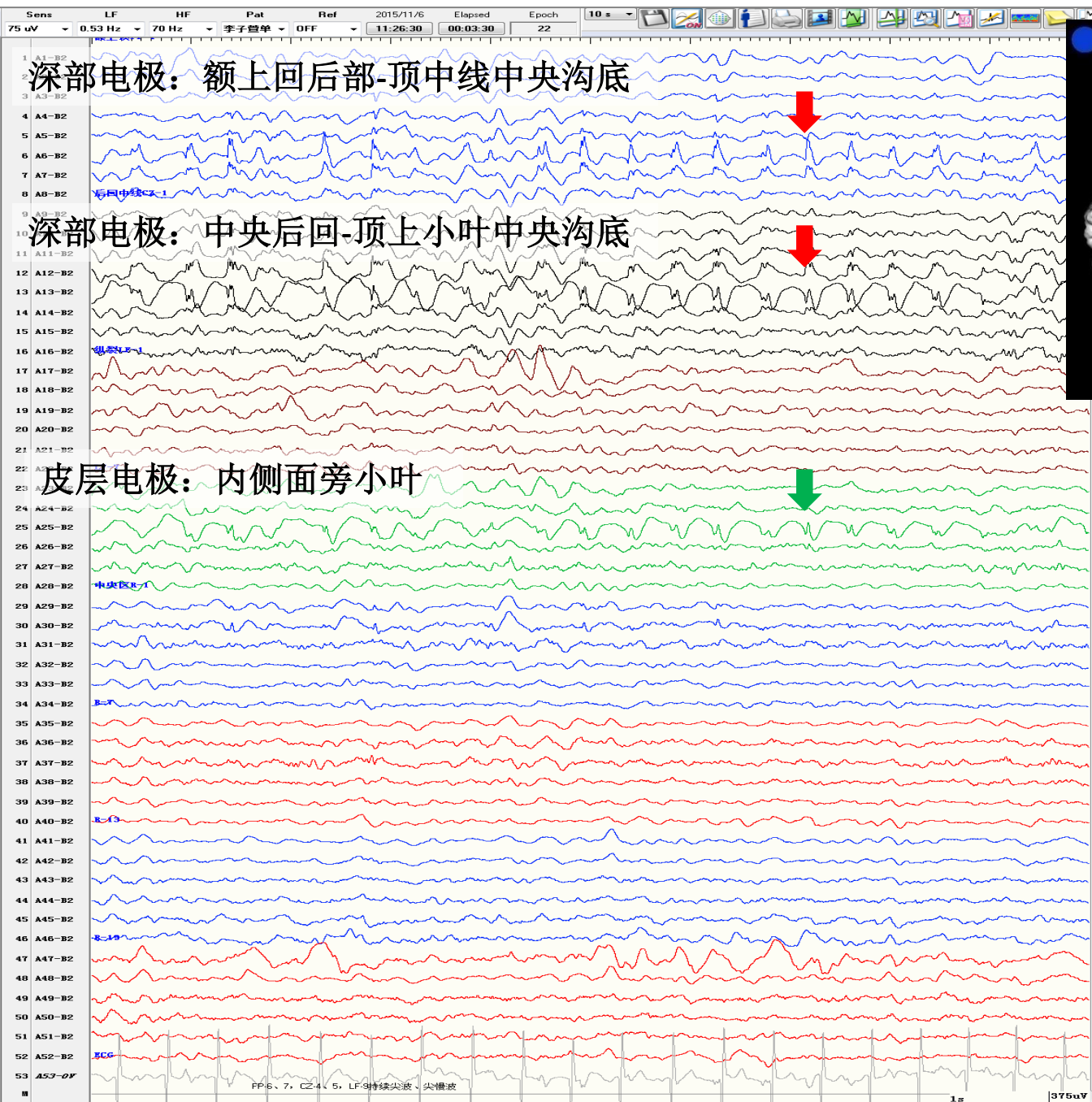
MRI: 右侧旁中央小叶

脑沟底部异常信号

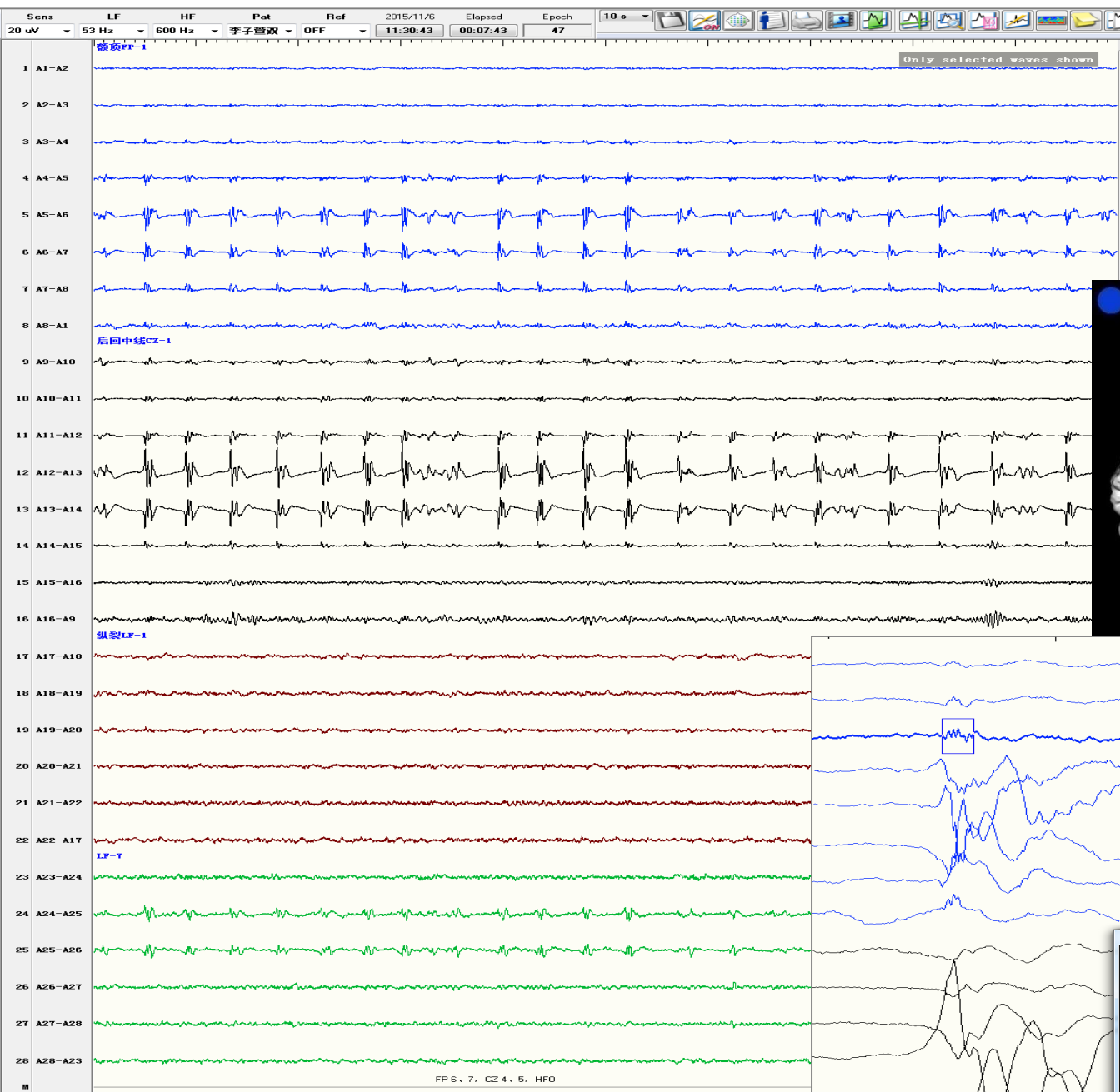
伴Transmantle 征

PET-MRI融合：局部低代谢

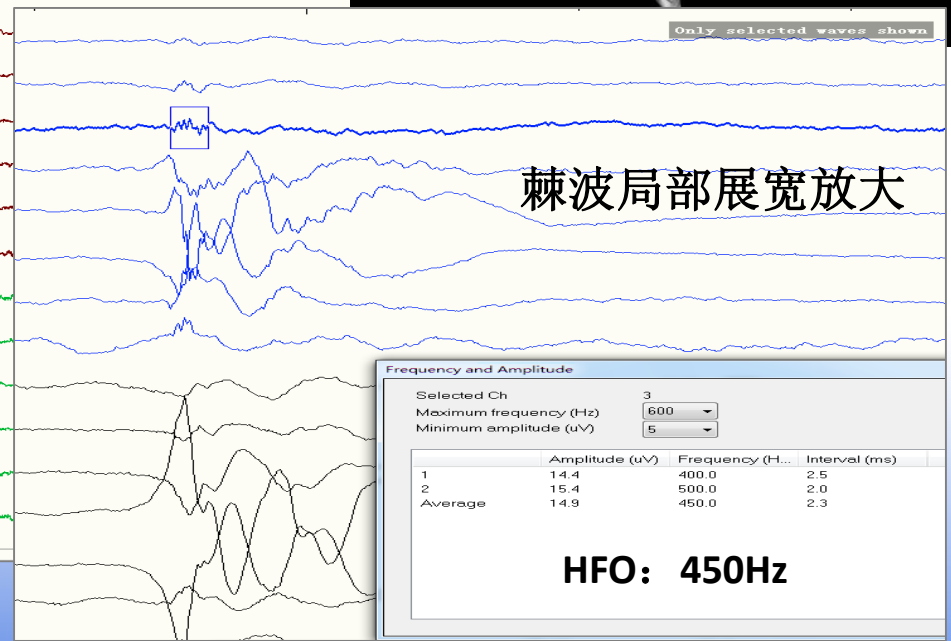
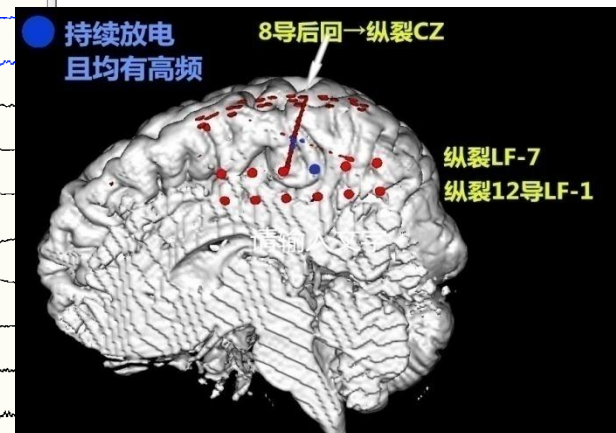


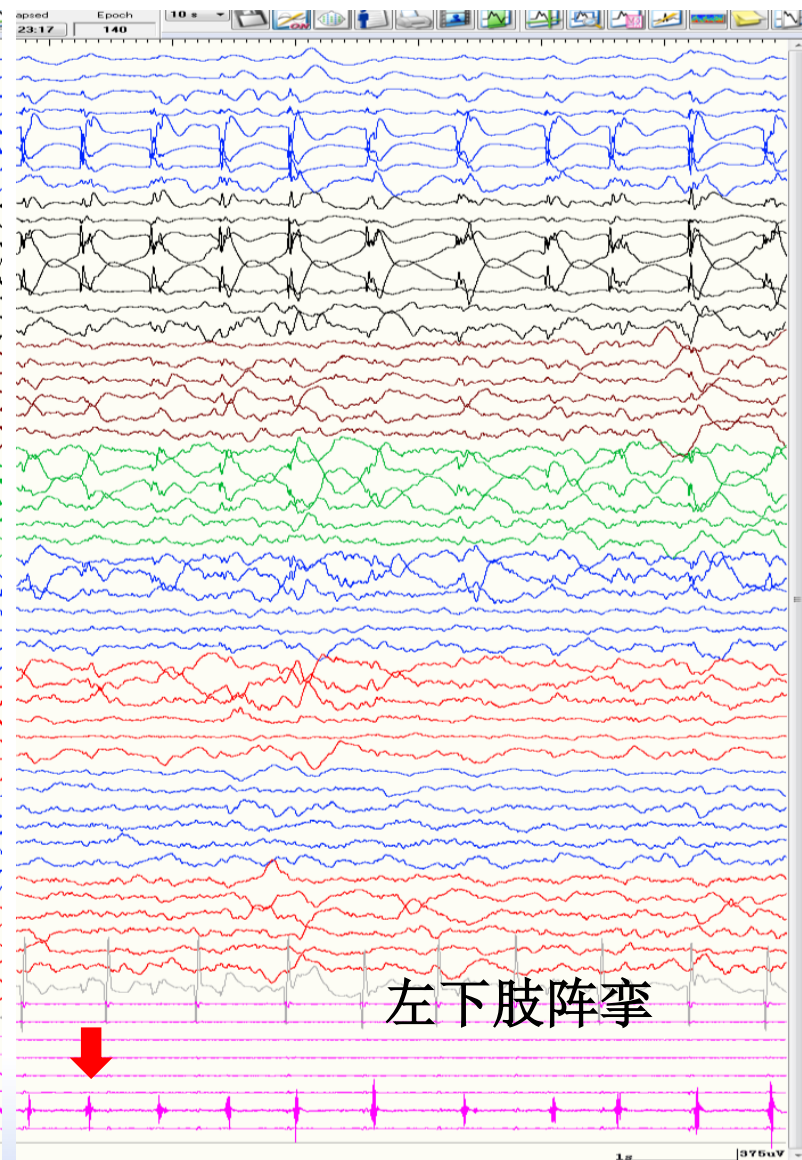
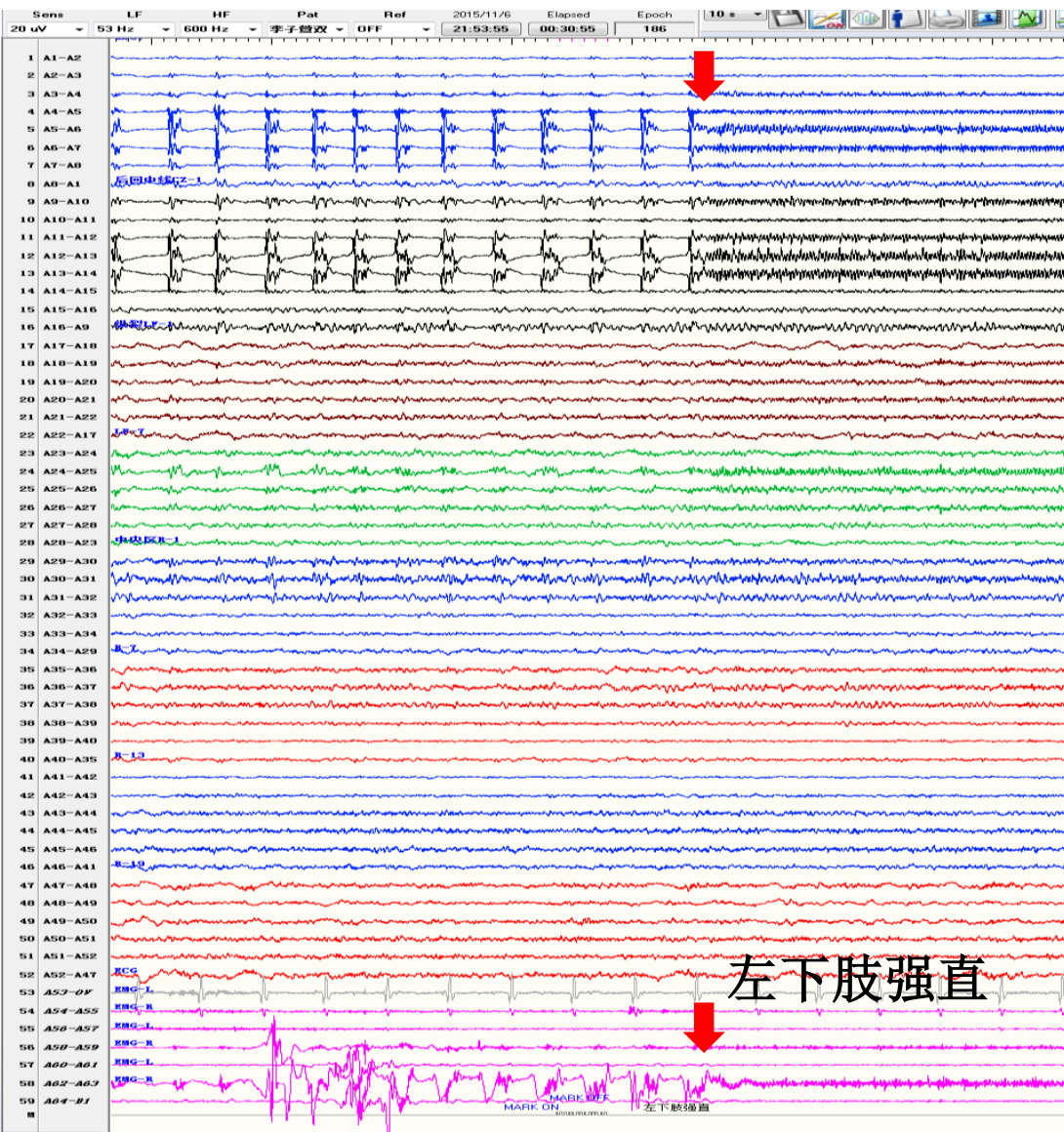


- 深部电极病变
脑沟底部发作
间期持续放电
（红色箭头）
- 内侧面皮层表
面电极间断放
电（绿色箭头）



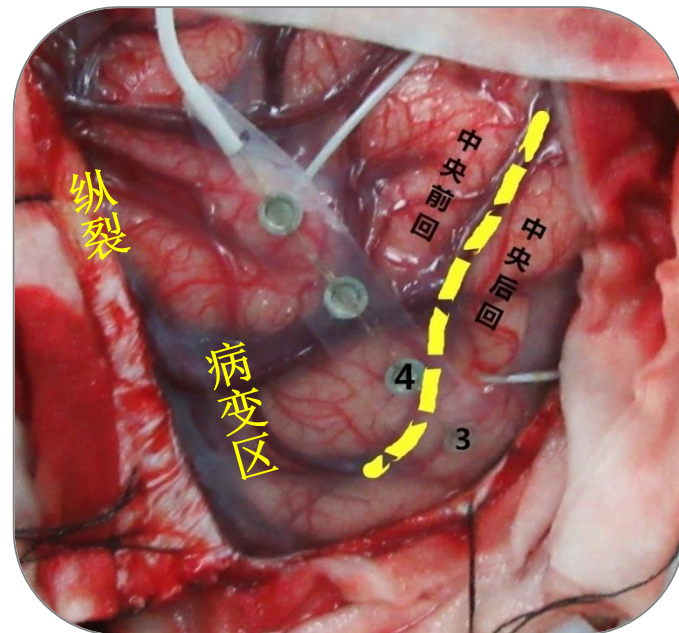
发作间期
 棘波复合高频振荡
 (带宽53-600Hz)



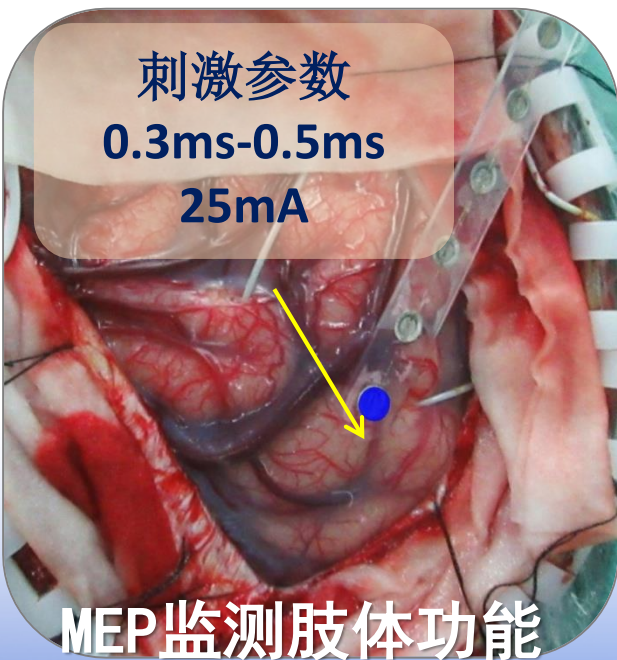


发作期放电起源于深部电极记的病变沟底

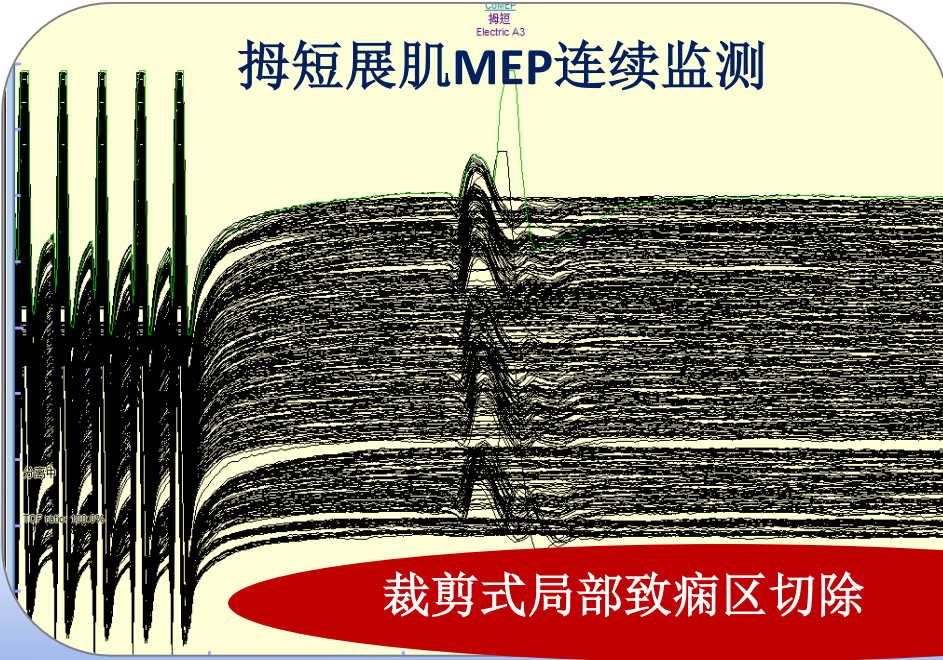
术中持续
神经功能监测
切除致痫区
并保护肢体运动功能



刺激参数
0.3ms-0.5ms
25mA



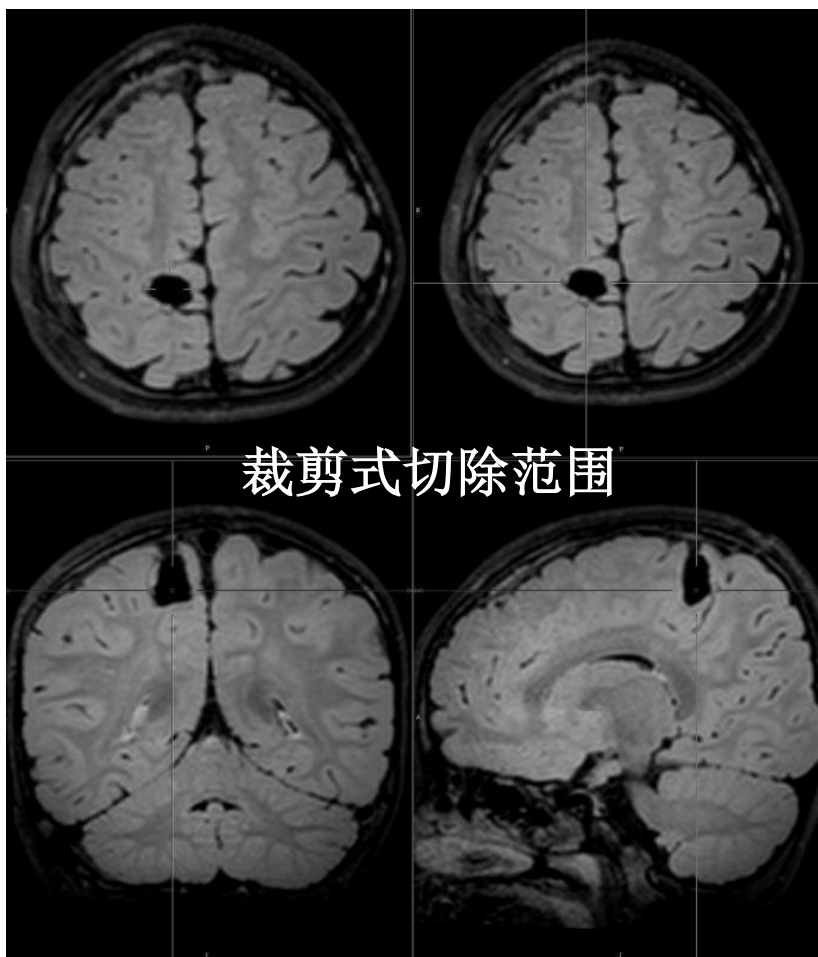
拇短展肌MEP连续监测



裁剪式局部致痫区切除

小结

- 发作症状学和**EEG**可提示症状产生部位
- 局部节律性癫痫样放电（**rhythmic epileptiform discharges, RED**）高度提示**FCD**
- **FCD**常位于脑沟底部，需要深部电极或**SEEG**精确定位
- 术中**SEP-MEP**持续监测是保护运动功能的有效方法



裁剪式切除范围

- 术后次日左足可活动
- 出院时肌力恢复正常
- 术后至今一年无发作
- 病理：**FCD IIb**