

Very high frequency oscillations (VHFO) Presentation of two cases

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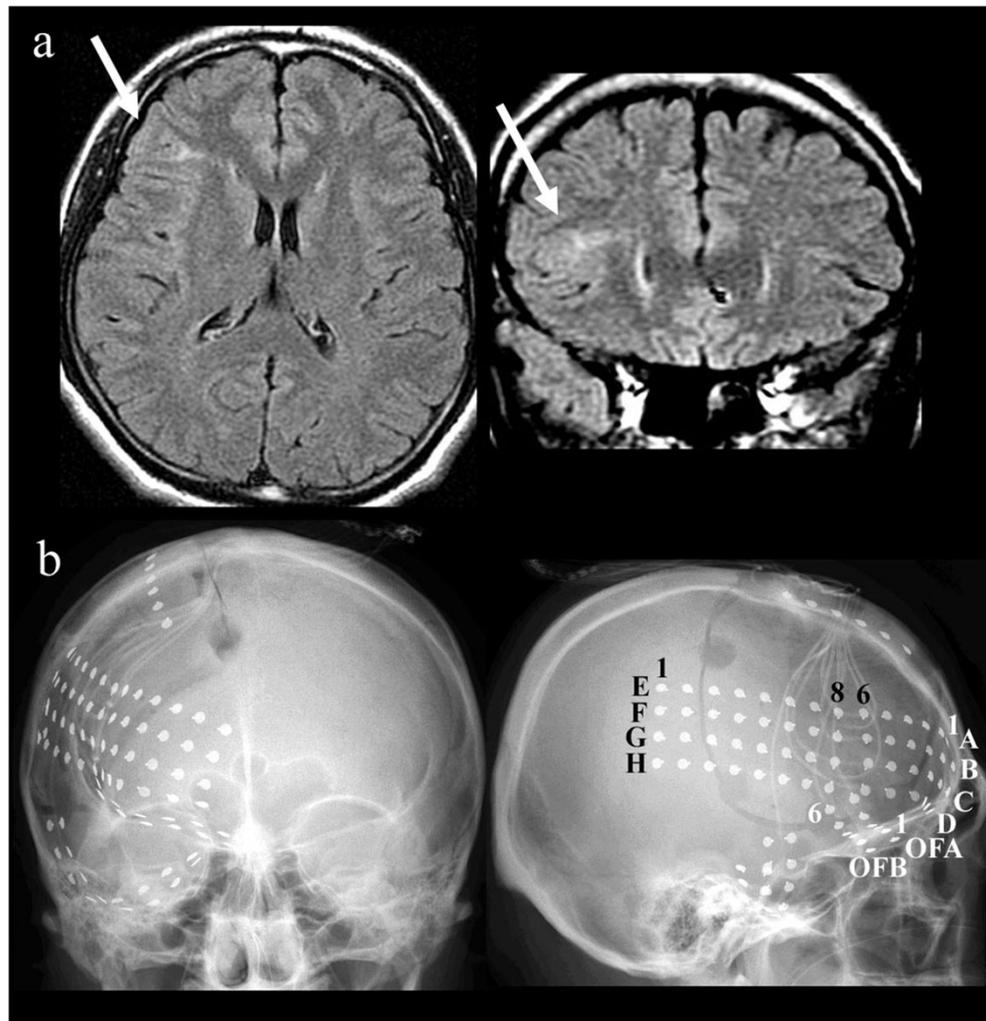
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How to record and detect VHFO

- High sampling rate (10KHz) is required.
- Horizontal (time) and vertical (amplitude) axes of the EEG display were expanded.
- High-pass filtered at a time constant of 0.001 sec.
- Low-pass filtered at 3 kHz.
- Mark spikes in conventional setting, then, search VHFO around spikes.

Usui et al., Clin Neurophysiol 2010; Usui et al., Ann Neurol 2015; Zijlmans et al., Epilepsia 2017

27 years-old male with focal cortical dysplasia type II.



14 years-old girl with focal cortical dysplasia type II.

