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Ann Indian Acad Neurol. 2014 Mar;17(Suppl 1):S45-9. doi: 10.4103/0972-23



Video electroencephalogram telemetry in temporal lobe epilepsy.

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Abstract

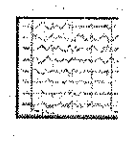
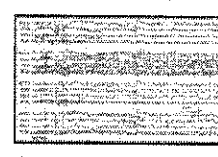
Temporal lobe epilepsy (TLE) is the most commonly encountered medically refractory epilepsy. It is also the substrate of refractory epilepsy that gives the most gratifying results in any epilepsy surgery program, with a minimum use of resources. Correlation of clinical behavior and the ictal patterns during ictal behavior is mandatory for success at epilepsy surgery. Video electroencephalogram (EEG) telemetry achieves this goal and hence plays a pivotal role in pre-surgical assessment. The role of telemetry is continuously evolving with the advent of digital EEG technology, of high-resolution volumetric magnetic resonance imaging and other functional imaging techniques. Most of surgical selection in patients with TLE can be done with a scalp video EEG monitoring. However, the limitations of the scalp EEG technique demand invasive recordings in a selected group of TLE patients. This subset of the patients can be a challenge to the epileptologist.

KEYWORDS: Temporal lobe epilepsy; presurgical evaluation; video electroencephalogram

PMID: 24791089 PMCID: [PMC4001214](#) DOI: [10.4103/0972-2327.128653](#)

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