

A case of repetitive seizures following immune checkpoint inhibitor therapy as a feature of autoimmune encephalitis

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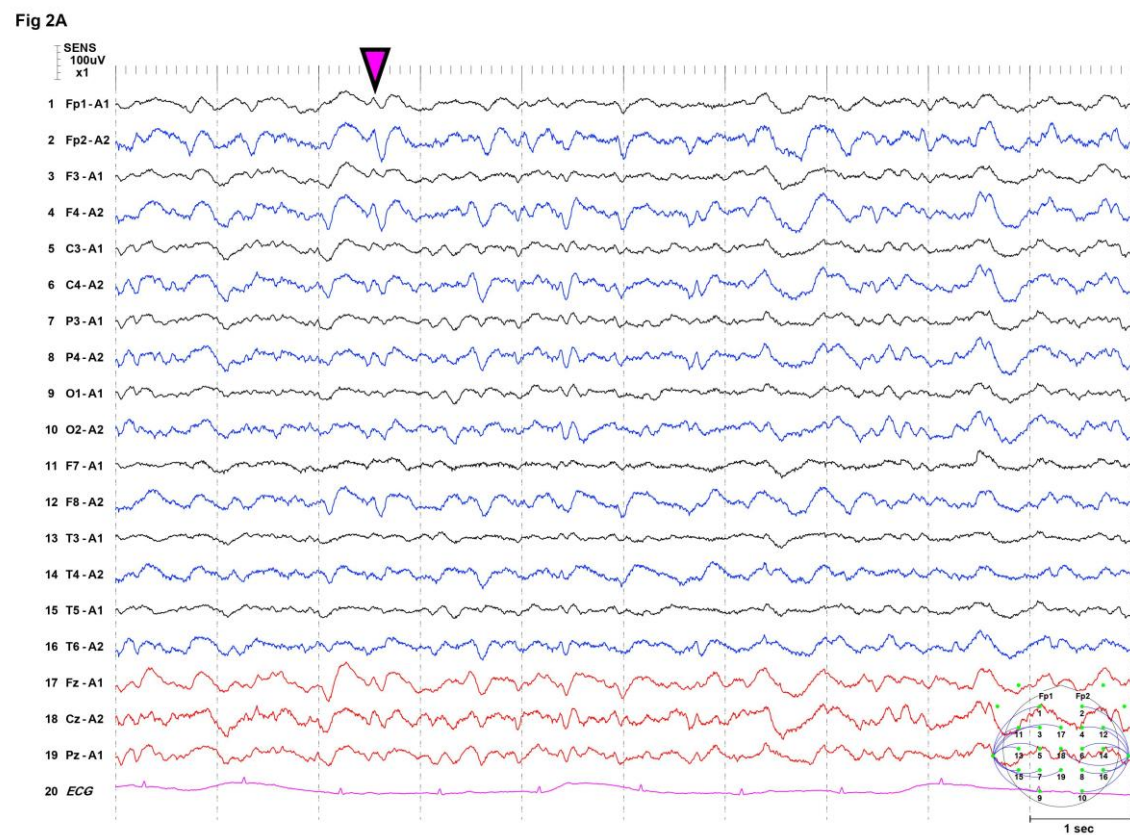
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Triphasic waves



The term triphasic waves was classically defined as moderate to high-amplitude slow waves occurring with a frequency of 1.5 to 3 Hz with an initial sharp positive transient, followed by a smaller negative component.

Bickford RG, Butt HR. Hepatic coma: the electroencephalographic pattern. *J Clin Invest.* 1955; 34(6):790-799.

This pattern was initially attributed to patients with raised serum ammonia caused by hepatic failure; this pattern with several toxic or metabolic complications, including renal failure, was later found in case series.

Fisch BJ, Klass DW. The diagnostic specificity of triphasic wave patterns. *Electroencephalogr Clin Neurophysiol.* 1988;70(1):1-8.

Treatment of encephalitis as a neurological irAE

It is recommended that clinicians manage all grade toxicities as follows:

- Defer treatment with immune checkpoint inhibitor .
- Offer a trial of methylprednisolone at 1 to 2 mg/kg.
- If severe or progressing symptoms or oligoclonal bands present, pulse corticosteroid methylprednisolone at 1 g IV daily for 3 to 5 days plus IVIG at 2 g/kg over 5 days may be offered.