

Clinical commentary

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An embarrassing aura

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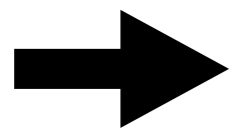
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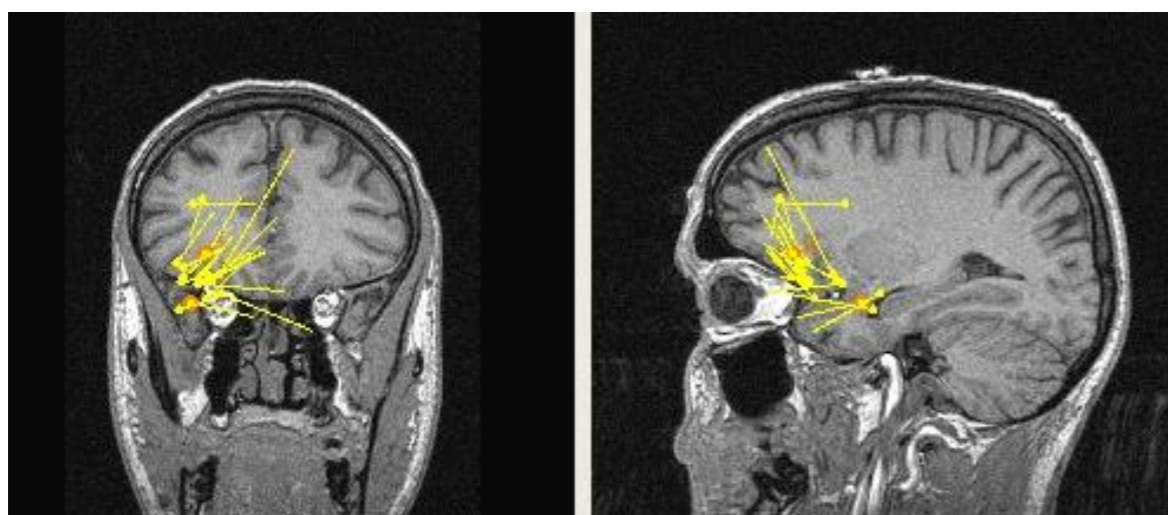
An embarrassing aura

Epileptic seizures beginning with sensations of embarrassment are rarely described in the literature. These negative feelings of shame and embarrassment, as well as opposite positive feelings (ecstasy), are reported to derive from the insular cortex or the pre-frontal lobe.

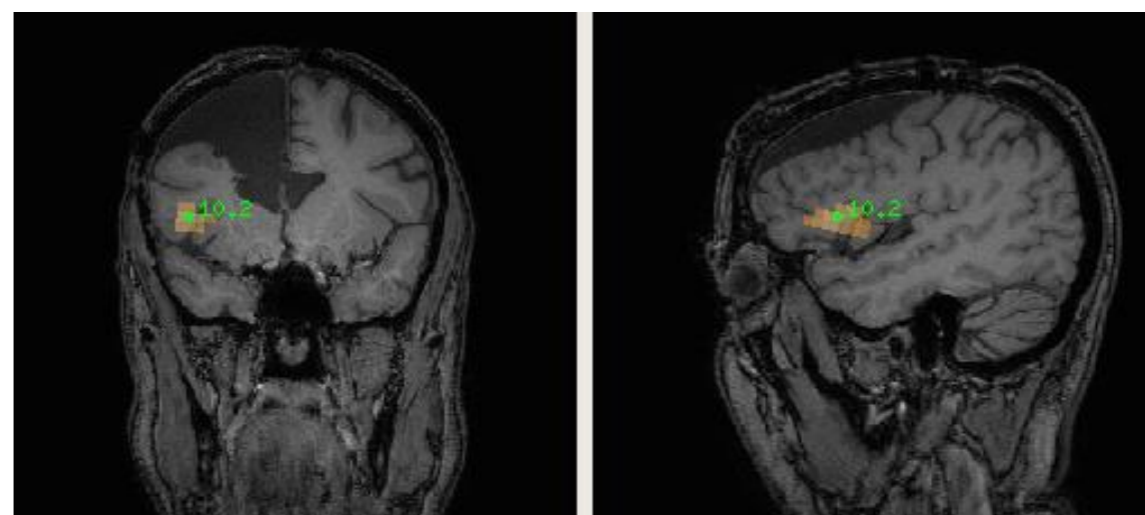


We sought to identify the cerebral area involved in triggering an atypical and epileptic aura in a case without any clear localization based on extra and intra-cerebral EEG recordings.

- * This study focused on the clinical features and innovative imaging techniques, such as magnetoencephalography, that are used to potentially identify the cerebral area involved in these rare epileptic seizures that are resistant to standard medical treatment.
- * Areas to resect were identified based on different techniques of interpretation of magnetoencephalography which played a major role in the surgical care of this patient.



Analysed using the equivalent current dipole (ECD) model



Analysed using the Beamformer model