

Clinical commentary with video sequence

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Generalized seizure with falling and unresponsive staring provoked by somatosensory stimulation: a video-EEG study*

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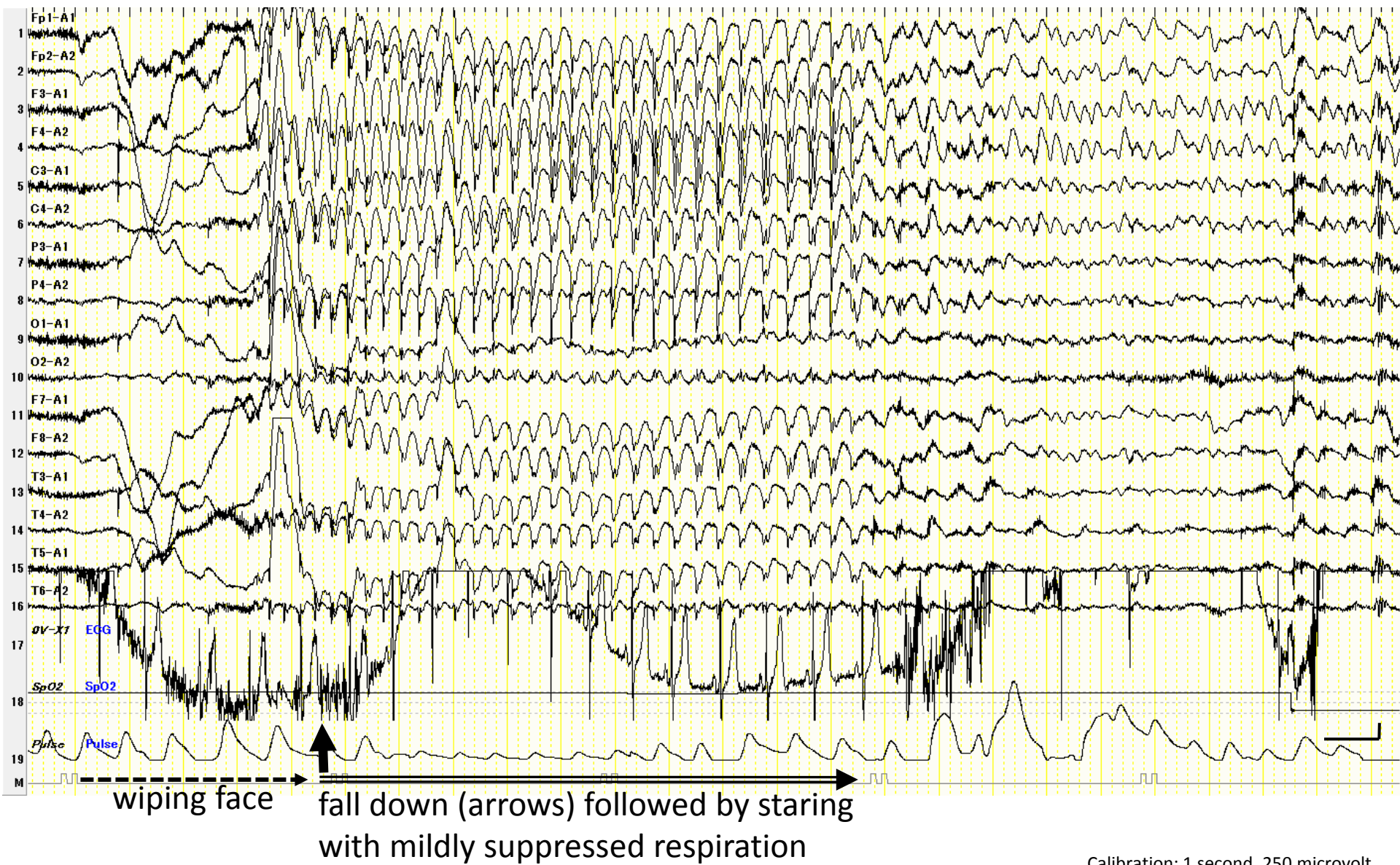
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Generalized seizure with falling and unresponsive staring provoked by somatosensory stimulation: A video-EEG study

- A four-year-old boy with generalized seizures with abrupt falling and unresponsive staring provoked by somatosensory stimuli, such as wiping the face with a towel.
- Ictal video-EEG recorded paroxysmal 3-Hz diffuse spike-wave complexes followed by high-voltage 3.5 to 4-Hz delta wave discharges in the frontal areas, suggesting the seizures were originated from the frontal lobe.

3-Hz generalized spike-wave complex discharges

4-Hz slow waves in the bilateral frontal areas



Comparison of clinical and electrophysiological features between this case and typical absence seizures

	Typical absence	This case
Duration of staring	5-15 sec	10 sec
Falling just before staring	No	Yes
Seizures precipitated by Hyperventilation	Yes	No
Photic stimulation	Yes	No
Somatosensory stimulation	No	Yes
3-Hz diffuse spike-wave complexes as ictal EEG	Yes	Yes
Postictal 4-Hz delta wave discharges in the frontal areas	Rare	Yes
Intellectual disability	Rare	Yes