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**VIDEO-EEG ILLUSTRATION OF TRANSIENT EPISODES OF LOSS OF
CONSCIOUSNESS CORRELATED WITH PLATEAU-WAVES DUE TO
INTRACRANIAL HYPERTENSION**

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hypertension

Case

A 54-year-old woman, with relapsing Mantle B-cell Lymphoma, was admitted for recurrent unresponsive episodes. During video-EEG recording, patient became transitory unresponsive for 12 minutes with staring and brachiofacial automatisms (*video*), with correlated diffuse EEG delta activity that resolved spontaneously, without epileptic discharge, cardiac arrhythmia, or hypotension (*figure*). No intracranial lesion existed on neuroimaging. Lumbar puncture revealed increased CSF pressure and infiltrating lymphomatous cells, confirming a diagnosis of leptomeningeal metastases. Transient neurological events can be linked to increased intracranial pressure generating a decrease of cerebral perfusion and EEG “plateau-waves”¹⁻⁵. EEG allow to distinguish this entity from differential diagnoses.

Video 1: Video-EEG showing an episode of unresponsiveness during 12 minutes, with no motor response on verbal command and brachiofacial automatisms. EEG showed transitory generalized slowing consisting of delta waves activity and frontal intermittent rhythmic delta activity (FIRDA), without cardiac arrhythmia or epileptic discharge: “plateau-waves”.

Figure 1: EEG showing:

- A) Normal Initial background without interictal spike;
- B) and C) Abrupt generalized slowing consisting of delta high amplitudes waves activity and frontal intermittent rhythmic delta activity (FIRDA), without cardiac arrhythmia or epileptic discharge, during the episode: “plateau-waves”.
- D) Return to normal background after the end of the episode.

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Disclosure

The authors report no disclosures relevant to the manuscript.