

### Supplementary figure 1.

EEG of a right temporal seizure. The EEG clip (longitudinal bipolar montage) shows the onset of a right temporal seizure from Case 2. Note the rhythmic theta activity that evolves to delta over the right temporal region (box). The end of the EEG clip shows muscle artifact related to the movement. The seizure continued to spread and evolve over the right hemisphere. sensitivity: 7  $\mu$ V/mm, low-frequency filter: 1 Hz, high-frequency filter: 60 Hz, notch: 60 Hz.



