

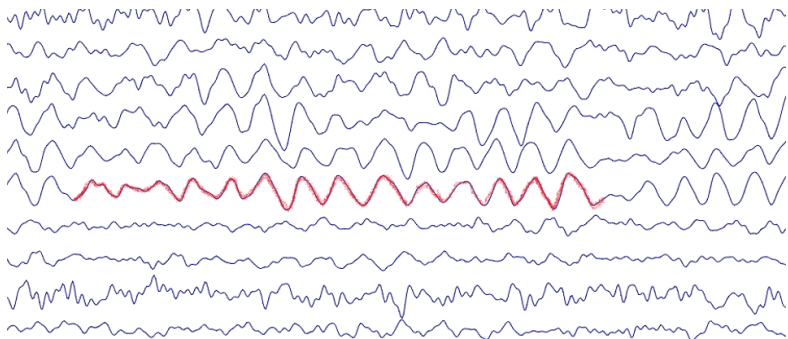
Alterations of the alpha rhythm in visual snow syndrome: A case-control study

Background:

Visual Snow syndrome (VSS) is characterized by a typical combination of visual disturbances. It seems to involve disruptions in the filtering mechanisms within the visual system.

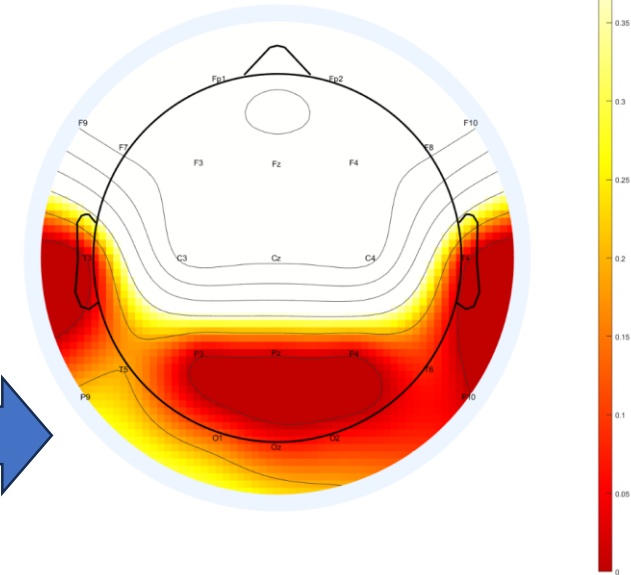
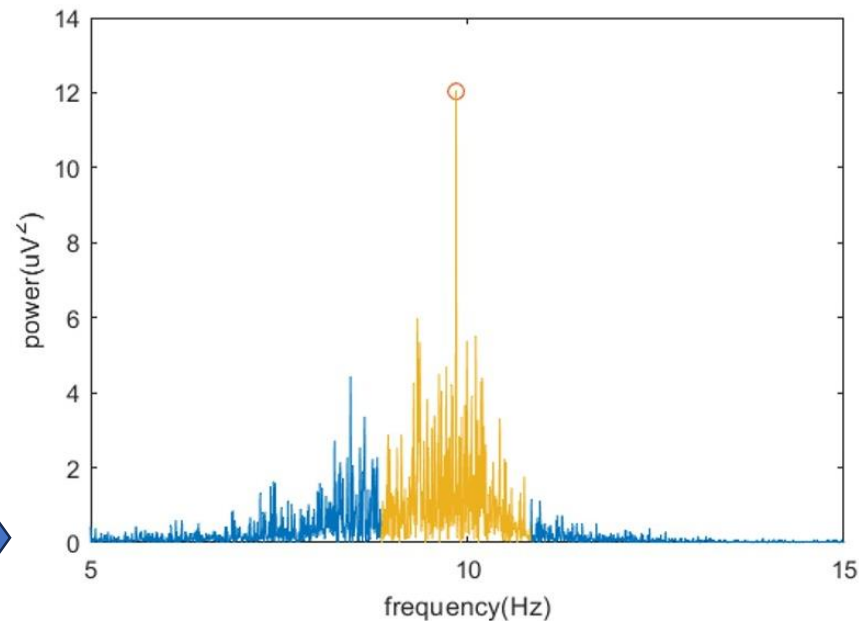


The EEG **alpha rhythm** might be a correlate of inhibitory modulation within the visual system.



Methods:

We analysed EEGs from 21 VSS patients and 21 matched controls, comparing power spectral density around the individual alpha peak (± 1 Hz).



Results and Conclusion:

Significant reduction in alpha band power spectral density was observed over temporal and parietal electrodes (including secondary visual cortex). This suggests a potential disturbance in inhibitory top-down modulation.