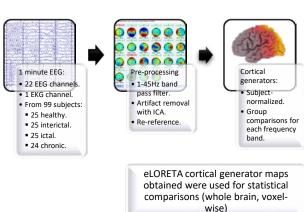
Cerebral cortical activity in migraine: a LORETA analysis



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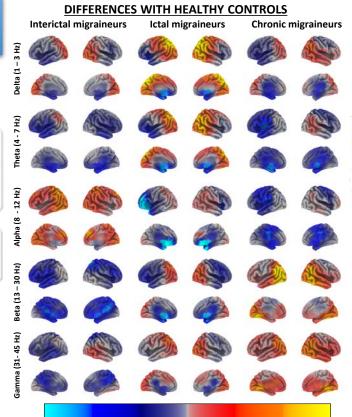


<u>OBJECTIVE</u>: to evaluate cortical activity in episodic and chronic migraine patients compared to healthy controls.

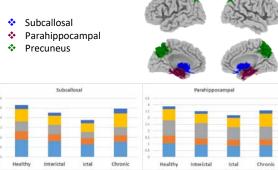


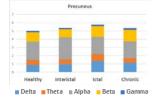
RESULTS:

- Marked differences in resting-state cerebral activity were consistently found in the subcallosal (BA25), parahippocampal (BA28, BA34, BA35, BA36) and precuneus (BA7) regions.
- A multivariate statistical comparison from data extracted from these regions showed significant differences for the interaction group-region- frequency band.



DATA DRIVEN REGIONS OF INTEREST





CONCLUSIONS:

- Differences involve several regions, some of which have been previously linked to the disease under alternative approaches.
- eLORETA directly evaluates brain activity and not proxys, as do fMRI and PET.
- Band-specific information could provide valuable clues regarding different levels of neural hierarchy.
- Further research is required to help explain the pathophysiological significance of these observations.

P < 0.05

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