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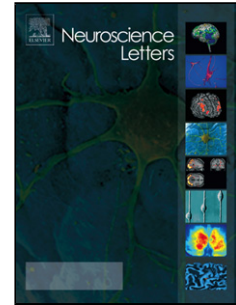
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Pathophysiological mechanisms of migraine and epilepsy: similarities and differences.

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## Highlights

- Migraine and epilepsy are distinct disorders with some clinical and pathophysiological overlaps.
- Epilepsy and migraine can be generated by dysfunctions of the same neuronal networks, but these dysfunctions can be disease-specific, even if pathogenic mutations target the same protein.
- Studies of rare monogenic forms have allowed to identify some molecular/cellular dysfunctions shedding some light on pathological mechanisms.
- Common migraine and common epilepsies are polygenic diseases that are probably caused at the molecular and cellular level by numerous different mechanisms. We have begun to disclose the tip of the iceberg.

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