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Head Tap-Induced Seizure in Patient with GABRG2 and HSD17B10 Mutations

We describe a patient displaying unusual head tap-induced seizures. The patient is 15 years old and suffers from drug-resistant epilepsy, intellectual disability, and developmental delay. A seizure can be induced in the patient when they receive an unexpected tap to the side of the head. The patient possesses mutations in the GABRG2 and HSD17B10 genes, mutations in these genes are known to cause epilepsy syndromes and may explain the patient's unusual seizure symptom.

Biography

Brenden is currently pursuing his Honours Bachelor of Science in [Biology](#); Biomedical Science Stream at [York University](#). Brenden has a passion for neurology and neuroscience, with an emphasis on [neuroplasticity](#), learning, psychedelics, and medical cannabis for neurological conditions. He strives to attend medical school to become a practicing neurologist and medical researcher. Brenden's areas of research include novel pediatric [neurogenetic disorders](#), psychedelic-assisted [psychotherapy](#), psychedelic and cannabinoid neuropharmacology, nutrition, and exogenous cannabinoids used to treat various neurological and non-neurological conditions. Brenden has worked at the [Neurology Centre of Toronto](#) since 2019, where he leads the Special Projects and Research Team. At NCT, Brenden helped develop the novel Virtual Rapid Access Clinics (VRAC), and has published multiple papers, with manuscripts currently in the development and submission process.



Brenden S Rabinovitch
*Neurology Centre of Toronto,
Toronto, Canada*

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