SCN1A

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Summary

- *SCN1A* (sodium voltage-gated channel alpha subunit 1) is a gene responsible for providing instructions for making sodium channels that assist in generating and transmitting electrical signals.
- The *SCN1A* gene is associated with mild to severe epilepsy, usually beginning during infancy.
- Changes in the *SCN1A* gene can either be *de novo* (new in the person with epilepsy and not inherited from a parent) or be inherited from a parent with GEFS+ or a family history of GEFS+.
- Diagnosis for *SCN1A* epilepsy will require genetic testing.

SCN1A developmental and epileptic encephalopathies include:

- Dravet syndrome
- Early-infantile *SCN1A* encephalopathy
- Epilepsy of infancy with migrating focal seizures (EIMFS)
- Epilepsy with myoclonic-atonic seizures (EMAtS)
- Genetic epilepsy with febrile seizures plus (GEFS+)
- Febrile seizures

Contacts and information

- Website: https://dravetfoundation.org/