Consortium for Clinical Investigations of Neurological Channelopathies (CINCH)

Research Areas

- Tool Development
- Basic Research
- Product Development

At a Glance

- Status: Active Consortium
- Year Launched: 2006
- Initiating Organization: NIH Rare Disease Clinical Research Network
- Initiator Type: Government
- Rare disease
- Location: International

Abstract

Neurologic channelopathies are caused by a genetic mutation that affects the function of ion channels in cell membranes. Andersen Tawil syndrome, the non-dystrophic myotonias, and the episodic ataxias are all rare forms of neurologic channelopathies. The underlying causes of these conditions are only partly understood, and there are no established treatments. The diseases are characterized by episodes of muscle weakness, stiffness, and/or incoordination. CINCH (Clinical Investigation of Neurologic Channelopathies) is a collaborative effort of doctors, patient organizations, and federal health agencies that want to learn more about these diseases so that they can ultimately offer better treatments to patients.

Mission

The purpose of the CINCH Consortium is to provide information about three neurologic channelopathies: Andersen-Tawil Syndrome (ATS), which is a form of periodic paralysis, non-dystrophic myotonia, and episodic ataxia.
This information includes the following:

### Impact/Accomplishment

#### Non-dystrophic Myotonic Disorders

5303: Nondystrophic Myotonias: Genotype-Phenotype Correlation and Longitudinal Study

5306: Phase II Therapeutic Trial of Mexiletine in Non-Dystrophic Myotonia

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#### Andersen-Tawil Syndrome (a form of Periodic paralysis)

5301: Andersen-Tawil Syndrome: Genotype-Phenotype Correlation and Longitudinal Study

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#### Episodic Ataxias

5302: Episodic Ataxia Syndrome: Genotype-Phenotype Correlation and Longitudinal Study

### Links/Social Media Feed

Homepage: [http://www.rarediseasesnetwork.org/cinch/index.htm](http://www.rarediseasesnetwork.org/cinch/index.htm)

### Points of Contact

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Sponsors & Partners

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