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## Prevalence and characteristics of sleep-disordered breathing in familial dysautonomia

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**Running Head:** Sleep disorders in familial dysautonomia

### ABSTRACT

#### Objective

Familial dysautonomia (FD) is an autosomal recessive disorder characterized by impaired development of sensory and afferent autonomic nerves. Untreated sleep-disordered breathing (SDB) has been reported to increase the risk of sudden unexpected death in FD. We aimed to describe the prevalence and characteristics of SDB in FD.

#### Patients/Methods

Seventy-five patients with FD (20 adults and 55 children) underwent in-lab polysomnography, including peripheral capillary oxygen saturation (SpO<sub>2</sub>) and end-tidal capnography (EtCO<sub>2</sub>) measurements. A *t*-test and Spearman's correlation analysis were performed to evaluate the impact

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