

Accepted Manuscript

Prevalence and characteristics of sleep-disordered breathing in familial dysautonomia

Kanwaljit Singh, Jose-Alberto Palma, Horacio Kaufmann, Nataliya Tkachenko, Lucy Norcliffe-Kaufmann, Christy Spalink, Mikhail Kazachkov, Sanjeev V. Kothare



PII: S1389-9457(18)30028-5

DOI: [10.1016/j.sleep.2017.12.013](https://doi.org/10.1016/j.sleep.2017.12.013)

Reference: SLEEP 3620

To appear in: *Sleep Medicine*

Received Date: 29 June 2017

Accepted Date: 30 December 2017

Please cite this article as: Singh K, Palma J-A, Kaufmann H, Tkachenko N, Norcliffe-Kaufmann L, Spalink C, Kazachkov M, Kothare SV, Prevalence and characteristics of sleep-disordered breathing in familial dysautonomia, *Sleep Medicine* (2018), doi: 10.1016/j.sleep.2017.12.013.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Prevalence and characteristics of sleep-disordered breathing in familial dysautonomia

Kanwaljit Singh ^a, Jose-Alberto Palma ^b, Horacio Kaufmann ^b, Nataliya Tkachenko ^c, Lucy Norcliffe-Kaufmann ^b, Christy Spalink ^b, Mikhail Kazachkov ^c, Sanjeev V. Kothare ^{b,*}

^a University of Massachusetts Medical School, Worcester, MA, USA

^b Department of Neurology, Dysautonomia Center, New York University School of Medicine, New York, NY, USA

^c Department of Pediatrics, New York University Langone Medical Center, New York, NY, USA

* Corresponding author. Pediatric Sleep Program, 223 East 34th Street, New York, NY 10016, USA. Tel.: +1 646 558 0806; fax: +1 646 385 7164.

E-mail address: sanjeevkothare@hotmail.com (S.V. Kothare).

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 (SpO₂) and end-tidal capnography (EtCO₂) measurements. A *t*-test and Spearman's correlation analysis were performed to evaluate the impact

Download English Version:

<https://daneshyari.com/en/article/8709073>

Download Persian Version:

<https://daneshyari.com/article/8709073>

[Daneshyari.com](https://daneshyari.com)