

AAN.COM (HTTPS://WWW.AAN.COM)

AAN PUBLICATIONS





Advertisement

-  Article
-  Info



Neurology®

SHARE April 10, 2018; 90 (15 Supplement) **APRIL 22, 2018**

Serotonin Reuptake Inhibitors in Obstructive Sleep Apnea with Depression: Associations in People With and Without Epilepsy (P1.098)

Jocelyn Cheng

First published April 9, 2018,

 CITATION	 PERMISSIONS	 COMMENT
--	---	---

 Check for updates

Downloads 0

- Article**
- Info

RELATED ARTICLES 

Abstract

No related

- Objective:** To investigate the association between obstructive sleep apnea (OSA) severity and serotonin reuptake inhibitor (SRI) use in people with depression, both with and without epilepsy.

Background: Positive airway pressure remains the gold-standard treatment for OSA, but many are intolerant. The neurotransmitter serotonin is involved in respiratory control. Limited evidence exists for SRIs in reducing OSA severity in people without epilepsy (PWO), and ictal hypoxemia in medically refractory people with epilepsy (PWE) and seizure-induced respiratory arrest. However, the association between SRIs and OSA severity has not been studied in populations consisting of both PWE and PWO.

Design/Methods: A retrospective study of adults with depression and OSA was conducted. Subjects were categorized as PWE or PWO, and for the use (+SRI) or absence (–SRI) of an SRI. The primary outcome was OSA severity relative to SRI status. OSA severity as a function of SRI status was also compared between PWE and PWO, and within each cohort. Secondary outcome measures were REM severity and oxygen saturation nadir. Statistical adjustment of pertinent baseline characteristics was performed.

articles found.

ALERT ME



Alert me when this article is cited

Alert me if a correction is posted

Alert me when eletters are published

Results: The total sample consisted of 125 subjects.

- There were 57 PWE, 68 PWO, 80 -SRI and 45
- SRI. Over the total study sample, reduced OSA severity was associated with +SRI after adjustment (OR 0.452, CI 0.167–0.927, $p=0.033$), and with reduced REM severity in unadjusted (OR 0.300, CI 0.099–0.913, $p=0.034$) and adjusted (OR 0.290, CI 0.093–0.909, $p=0.034$) analysis. There was no significant difference in OSA severity and +SRI between PWE and PWO. However, when analyzed as separate cohorts, only PWE demonstrated reduced OSA severity and +SRI (OR 0.140, CI 0.021–1.116, $p=0.042$). Oxygen saturation nadir was not significant in any model.

Conclusions: SRIs represent a potential treatment option for OSA in people with depression, both with and without epilepsy, and may demonstrate a more robust association with reduced OSA severity in PWE.

Disclosure: Dr. Cheng has received personal compensation for consulting, serving on a scientific advisory board, speaking, or other activities with Medscape, LLC.

Disputes & Debates: Rapid online correspondence

No comments have been published for this article.

AAN.COM (HTTPS://WWW.AAN.COM)

AAN PUBLICATIONS



Article



Info

COMMENT

YOU MAY ARTICLE

ALSO BE **Association of prone position with**

INTERESTED **Sudden unexpected death in epilepsy**

IN Jennifer A. Liebenthal, Shasha Wu, Sandra Rose, et al.

January 21, 2015

VIEWS AND REVIEWS

Abbreviated report of the NIH/NINDS workshop on sudden unexpected death in epilepsy

L.J. Hirsch, E.J. Donner, E.L. So, et al.

May 04, 2011

ARTICLES

An algorithm (decision tree) for the management of Parkinson's disease (2001):

Treatment Guidelines

C. Warren Olanow, Ray L. Watts, William C. Koller

June 12, 2001

ARTICLE

Annual Meeting Information

April 01, 1993

ABSTRACT

Meeting at a Glance

April 01, 1990

▲ Back to top



Articles

- Ahead of Print
- Current Issue
- Past Issues
- Popular Articles
- Translations

About

AAN PUBLICATIONS

- About the Journals
- Ethics Policies
- Editors & Editorial Board
- Contact Us
- Advertise

Submit

- Author Center
- Submit a Manuscript
- Submit a Peer Review
- AAN Guidelines
- Permissions

Subscribers

- Subscribe
- Activate a Subscription
- Sign up for eAlerts
- RSS Feed



Neurology

Neurology: Clinical Practice

Neurology: Genetics

Neurology: Neuroimmunology & Neuroinflammation

AAN.com AANnews Continuum Neurology Now Neurology Today

Neurology | Print

ISSN:0028-3878

Online ISSN:1526-632X

© 2018 American

Privacy Policy



Academy of Neurology

Feedback Advertise