## Accepted Manuscript

Sleep structure and awakening threshold in delayed sleep-wake phase disorder patients compared to healthy sleepers

Brandy Solheim, Knut Langsrud, Håvard Kallestad, Morten Engstrøm, Bjørn Bjorvatn, Trond Sand

PII: S1389-9457(18)30071-6

DOI: 10.1016/j.sleep.2018.03.001

Reference: SLEEP 3642

To appear in: Sleep Medicine

Received Date: 5 October 2017

Revised Date: 7 February 2018

Accepted Date: 1 March 2018

Please cite this article as: Solheim B, Langsrud K, Kallestad H, Engstrøm M, Bjorvatn B, Sand T, Sleep structure and awakening threshold in delayed sleep-wake phase disorder patients compared to healthy sleepers, *Sleep Medicine* (2018), doi: 10.1016/j.sleep.2018.03.001.

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.



### Sleep structure and awakening threshold in delayed sleep-wake phase

#### disorder patients compared to healthy sleepers

Brandy Solheim<sup>1</sup>, Knut Langsrud<sup>2,3</sup>, HåvardKallestad<sup>2,3</sup>, Morten Engstrøm<sup>1,4</sup>, Bjørn Bjorvatn<sup>5,6</sup>, Trond Sand<sup>1,4</sup>

<sup>1</sup>Department of Neuromedicine and Movement Science, Faculty of Medicine and Health Sciences, NTNU - Norwegian University of Science and Technology, Trondheim, Norway.
<sup>2</sup>Department of Mental Health, Faculty of Medicine and Health Sciences, NTNU - Norwegian University of Science and Technology, Trondheim, Norway.
<sup>3</sup>Division of Mental Health Care, St. Olavs hospital HF, Trondheim University Hospital, Norway.
<sup>4</sup>Department of Neurology and Clinical Neurophysiology, St. Olavs hospital HF, Trondheim University Hospital, Norway.

<sup>5</sup>Department of Global Public Health and Primary Care, University of Bergen, Bergen, Norway. <sup>6</sup>Norwegian Competence Center for Sleep Disorders, Haukeland University Hospital, Bergen, Norway.

#### Corresponding author:

Brandy Solheim, Department of Neuromedicine and Movement Science, Faculty of Medicine and Health Sciences, NTNU - Norwegian University of Science and Technology, N-7491 Trondheim, Norway.

E-mail: <a href="mailto:brandy.solheim@ntnu.no">brandy.solheim@ntnu.no</a>

Download English Version:

# https://daneshyari.com/en/article/8709050

Download Persian Version:

https://daneshyari.com/article/8709050

Daneshyari.com