Accepted Manuscript

Heart rate variability and cordance in rapid eye movement sleep as biomarkers of depression and treatment response

Marcel A. Pawlowski, Mary Gazea, Bastian Wollweber, Martin Dresler, Florian Holsboer, Martin E. Keck, Axel Steiger, Marek Adamczyk, Thorsten Mikoteit

PII: S0022-3956(16)30580-5

DOI: 10.1016/j.jpsychires.2017.03.026

Reference: PIAT 3108

To appear in: Journal of Psychiatric Research

Received Date: 3 November 2016
Revised Date: 28 February 2017
Accepted Date: 31 March 2017

Please cite this article as: Pawlowski MA, Gazea M, Wollweber B, Dresler M, Holsboer F, Keck ME, Steiger A, Adamczyk M, Mikoteit T, Heart rate variability and cordance in rapid eye movement sleep as biomarkers of depression and treatment response, *Journal of Psychiatric Research* (2017), doi: 10.1016/j.jpsychires.2017.03.026.

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.



CCEPTED MANUSCRIPT

Title Page

Heart rate variability and cordance in rapid eye movement sleep as

biomarkers of depression and treatment response

Short title: REM sleep derived biomarkers for depression

Marcel A. Pawlowski a, Mary Gazea a,b, Bastian Wollweber a, Martin Dresler c, Florian

Holsboer ^a, Martin E. Keck ^a, Axel Steiger ^a, Marek Adamczyk ^{d,§}, Thorsten Mikoteit ^{a,d,§}*

^a Max Planck Institute of Psychiatry, Munich, Germany

^b University of Bern, Inselspital University Hospital, Department of Neurology, Bern,

Switzerland

^c Radboud University Medical Centre, Donders Institute for Brain, Cognition and Behaviour,

Nijmegen, The Netherlands

^d Psychiatric Clinics of the University of Basel, Center for Affective, Stress and Sleep

Disorders, Basel, Switzerland

§ co-senior authors

* Corresponding author at:

Psychiatric Clinics of the University of Basel, Center for Affective, Stress and Sleep

Disorders, Wilhelm Klein- Str. 27, 4012 Basel, Switzerland

Tel.: +41-61- 325-5091, Fax: +41-61-325-5513

E-mail address: thorsten.mikoteit@upkbs.ch

Download English Version:

https://daneshyari.com/en/article/4931937

Download Persian Version:

https://daneshyari.com/article/4931937

<u>Daneshyari.com</u>