Accepted Manuscript

REM sleep homeostasis in the absence of REM sleep: Effects of antidepressants

Andrew McCarthy, Keith Wafford, Elaine Shanks, Marcin Ligocki, Dale M. Edgar, Derk-Jan Dijk

PII: S0028-3908(16)30187-3

DOI: 10.1016/j.neuropharm.2016.04.047

Reference: NP 6299

To appear in: Neuropharmacology

Received Date: 23 November 2015

Revised Date: 28 April 2016 Accepted Date: 30 April 2016

Please cite this article as: McCarthy, A., Wafford, K., Shanks, E., Ligocki, M., Edgar, D.M., Dijk, D.-J., REM sleep homeostasis in the absence of REM sleep: Effects of antidepressants, *Neuropharmacology* (2016), doi: 10.1016/j.neuropharm.2016.04.047.

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.



ACCEPTED MANUSCRIPT

Title: REM sleep homeostasis in the absence of REM sleep: effects of antidepressants

Running Title: Antidepressants and REM sleep homeostasis

Authors: Andrew McCarthy MSc^{1, 2,*}, Keith Wafford PhD¹, Elaine Shanks PhD¹, Marcin Ligocki PhD¹, Dale M Edgar PhD¹ and Derk-Jan Dijk PhD²

- 1. Lilly Research Laboratories, Windlesham, Surrey, GU20 6PH, UK.
- 2. Surrey Sleep Research Centre, Faculty of Health and Medical Sciences, University of Surrey, Guilford, Surrey, GU2 7XP, UK.

Corresponding author:

Andrew McCarthy, Lilly Research Laboratories, Windlesham, Surrey, GU20 6PH, UK. a.mccarthy@surrey.ac.uk

Contributions:

Andrew McCarthy was involved in study design and interpretation, EEG and data analysis, and contributed to writing the manuscript.

Keith Wafford, was involved in study design and interpretation and contributed to writing the manuscript.

Elaine Shanks and *Marcin Ligocki* ran the live phase of the studies, and were involved in study design.

Dale M Edgar was involved in study design and interpretation, and contributed to writing the manuscript.

Derk-Jan Dijk was involved in study design and interpretation, and contributed to writing the manuscript.

Funding and Disclosure:

Mr Andrew McCarthy, Dr Keith Wafford, Dr Elaine Shanks, Mr Marcin Ligocki and Dr Dale M Edgar were all employees of Eli Lilly and company when this work was carried out. Professor Derk-Jan Dijk has consulted for and received research funds from Eli Lilly and company.

Key Words: Paradoxical sleep, recovery, selective serotonin reuptake inhibitors, tricyclic antidepressants, sleep deprivation.

Acknowledgements:

This work was funded by Eli Lilly and company. The authors would also like to thank
Raphaelle Winsky-Sommerer for help editing the manuscript, Brian Eastwood and Robert
Kinley for statistical support, Penny Oxley for help with statistical programming and Richard
Stephenson for his help with the REM sleep recovery model.

Download English Version:

https://daneshyari.com/en/article/5813518

Download Persian Version:

https://daneshyari.com/article/5813518

<u>Daneshyari.com</u>