Author’s response to reviews

Title: Similar polysomnographic pattern in primary insomnia and major depression with objective insomnia: A sign of common pathophysiology?

Authors:

Matthieu Hein (matthein@ulb.ac.be)

Jean-Pol Lanquart (JeanPol.Lanquart@erasme.ulb.ac.be)

Gwénolé Loas (Gwenole.Loas@erasme.ulb.ac.be)

Philippe Hubain (Philippe.Hubain@erasme.ulb.ac.be)

Paul Linkowski (paul.linkowski@gmail.com)

Version: 1 Date: 24 Mar 2017

Author’s response to reviews:

Before it can be sent out for review, please carry out the corrections, below.

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1. In the Abstract and Methods sections please clearly state that this is a retrospective study.

The text has been amended to take account of this remark:

- Methods: The polysomnographic data from 178 untreated subjects (30 normative, 84 primary insomnia sufferers and 64 major depressed patients with objective insomnia) who were recruited retrospectively from the Erasme hospital database were first studied for whole nights and thirds of the night. (See Abstract)

- 178 participants were divided into three groups: a normative group of 30 normative subjects, a group of 84 PI and a group of 64 MDOI. These participants were recruited retrospectively from the database of the sleep laboratory of the Erasme Hospital, where 3511 individuals completed sleep laboratory monitoring during the years 2002-2014. The normative subjects present in our database were recruited from prospective studies of our sleep laboratory and only those meeting the inclusion criteria of this study were included in the normative group. (See population)

2. In the Ethics section please provide the information regarding ethics approval and consent to participate for the original studies whose data was used in this study.
The text has been amended to take account of this remark:

- This research protocol was approved by the Hospital and Medical School Ethics Committee of the Erasme Hospital (Brussels University Clinics) (Erasme Reference: P2016/221 - Erasme Reference: P2016/270). At Erasme Hospital, all patients are informed that their data could be used retrospectively for scientific research. If patients do not want their data to be used, they must inform the hospital, which then indicates it in their medical records, thus preventing any use of their data. The normative subjects used in our study were recruited initially for prospective studies in the sleep laboratory of the Erasme Hospital. All his studies were approved by the Hospital and Medical School Ethics Committee of the Erasme Hospital (Brussels University Clinics) and all normative subjects have agreed to the use of their data for scientific research. (See Ethics approval and consent to participate)

3. In accordance with BioMed Central editorial policies (http://www.biomedcentral.com/submissions/editorial-policies#standards+of+reporting), could you please ensure your manuscript reporting adheres to STROBE guidelines (http://www.strobe-statement.org/index.php?id=strobe-home)

Can you please include a completed STROBE checklist as an additional file when submitting your revised manuscript.

This document has been included as requested.

4. Please include a Declarations heading after the Limitations with the following sections:

Declarations:

? Ethics approval and consent to participate

? Consent for publication

? Availability of data and material

? Competing interests

? Funding

? Authors’ contributions

? Acknowledgements

? Authors' information (optional)
This section has been included as requested.

5. Please move the Abbreviations section to just before the Declarations.
This section has been moved as requested.