Reviewer's report

Title: Actigraphy as a diagnostic aid for REM sleep behavior disorder in Parkinson's disease

Version: 3 Date: 12 February 2014

Reviewer: Simon Lewis

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Actigraphy as a diagnostic aid for REM sleep behavior disorder in Parkinson’s disease Louter et al

This manuscript addresses a significant practical management issue in patients with Parkinson’s Disease (PD). As expressed in the manuscript, PD patients often experience RBD and relying on PSG to assist the diagnosis is not always feasible. This study is well constructed and is a natural extension to previous work that suggested actigraphy might represent a pragmatic approach in clinical practice. The results of this study are well presented and will be of use in both clinical and research settings.

Minor Revision

1. Page 7, paragraph 2: "As several clinical characteristics differed between patients with and without PD, comparisons were repeated using multiple regression analyses corrected for these variables, however this did not change the results."