Reviewer’s report

Title: Altered structural and causal connectivity in Frontal Lobe Epilepsy

Version: 1 Date: 17 Aug 2018

Reviewer: Reviewer 2

Reviewer's report:

PEER REVIEWER COMMENTS: To view the full report from the academic peer reviewer, please see the attached file.

REVIEWER COMMENTS FROM REPORT: This study reports reduced grey matter volume in the putamen and caudate nucleus and altered causal connectivity with decreased causal effect from the vermis to caudate in patients with frontal lobe epilepsy. They also report that causal alterations were negatively correlated with age of epilepsy onset. These findings showing impairment in motor controlled areas (cerebellum and basal ganglia) are novel and interesting. Overall, this study is well done.

ADDITIONAL REQUESTS/SUGGESTIONS:

It is unclear why the authors focused only on Putamen and Caudate Nucleus. Are there any changes in other areas of the brain (medial prefrontal cortex, somatosensory and motor cortex, and the hippocampus)?

Are the methods appropriate and well described?  
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?  
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?  
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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