Reviewer’s report

Title: A survey of subjective constipation in Parkinson's disease patients in Shanghai and literature review

Version: 0 Date: 31 Aug 2017

Reviewer: Yi-Cheng Tai

Reviewer's report:

Abstract
Line 2: "… and the prevalence in PD patients varies from different studies" should be " … and the prevalence of constipation in PD patient varies with different studies"

Line 4: "… and the chronology of appearance of constipation onset in relation to onset of motor symptoms in PD patients from Shanghai, China"
Does it mean " … and duration between the emergence of constipation and the onset of motor symptoms in PD patients from Shanghai, China"

Line 8: " Among them, there was 47.59% patients ….." please delete the word " patients"

Line 11: "and were easier to accompany with anxiety, depression and insomnia." Should be " and were prone to have ……"

Lien 12: "The lead-time of constipation to motor onset (6.62±9.32) years." Does it means "The time span between the constipation and the onset of motor symptoms was 6.62±9.32) years"

Line 14: Please explain "Total timespan from earliest initial symptoms to present was similar"
Line 15: "Patients with pre-motor constipation presented motor signs at an older age, manifested less serious parkinsonian symptoms, more severe constipation and took less levodopa." Please correct the grammar.

Background
Line 41: This may be the reason why there was variation of constipation prevalence and this is not helpful to characterize this NMS." Please mind the tense.

Line 46: "Recently, one systematic review and meta-analysis proved that people with constipation have a higher risk of developing PD compared with those without." Please cite the reference

Methods
Please define "with constipation" and "without constipation"

Page 7, line 42, please define the abbreviation "PDSS"

Page 8, line 38, please define the "onset of constipation." Is it merely by the patient's recall?

Page 8, line 55, "In regards to …" should be "With regards to …"

Page 9, line 26, "… more longer …" is the wrong grammar

Page 14, table 3, line 24, "Taiwan is not Taiwan, China." Be ware of political issue.

Discussion
Page 16, line 26, please explain the significance of "daily levodopa per weight" and its relation to the constipation.

Page 16, line 41, "… prevalence of pre-motor constipation was range …" wrong grammar
Compared with PD patients with constipation post-motor symptoms, we focus on the features of patients with pre-motor constipation, their motor symptoms presented later, the disease duration was shorter, the motor symptoms were less serious based on the lower scores of UPDRS III and H-Y stage." Please refine the sentence.

Page 17, paragraph 1, is the difference of duration between the onset of constipation and Parkinson motor symptom attributed to genetic issue?

Please discuss why PD with pre-motor constipation in your study is associated with non-tremor subtype of PD, anxiety, depression and insomnia. Is it related to different pathway of degeneration?

Please discuss the limitation of the study

**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

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