Reviewer’s report

Title: Spinocerebellar ataxia type 31 associated with REM sleep behavior disorder: a case report

Version: 0  Date: 03 Nov 2018

Reviewer: Pedro Braga-Neto

Reviewer's report:

The authors described an interesting manuscript entitled: "Spinocerebellar ataxia type 31 associated with REM sleep behavior disorder: a case report". The authors described a patient with SCA31 with REM sleep disorder. The patient was well investigated, and the findings could give rise to more brainstem involvement in SCA31 not previously described.

I have a few questions and suggestions to the authors:

I would recommend the inclusion of a detailed description of the medications. Some medications could cause enactment behaviors during sleep;

The authors should better describe the PSG findings. Atonia index during REM sleep, apnea-hypopnea index and other PSG measures should be described;

The authors should include a brief synthesis of the limitation of the study: sample size (case report). The REM sleep behavior disorder could be not related to SCA31 but to an α-synucleinopathy not yet diagnosed.

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.

No

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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