Reviewer’s report

Title: Tics as an initial manifestation of juvenile Huntington's disease : Case Report and Literature Review

Version: 0 Date: 12 Jan 2017

Reviewer: Kuo-Hsuan Chang

Reviewer’s report:

This manuscript by Cui and colleagues reported a boy with tics who carried expanded CAG trinucleotide repeats in HTT. This is a very interesting report particularly in the broad clinical spectrum of juvenile Huntington's disease (JHD). However, some issues need to be addressed or corrected.

1) JHD frequently displays long CAG repeats, whereas the repeat number in this adolescent is only 49. It is very likely that tics, as a common disease, is a comorbidity rather than the initial presentation of HD in this patient.

2) MRI did not show pathognomonic caudate atrophy for HD.

3) Seizures are occasionally seen in JHD. This point should be discussed.

4) EMG feature is also interesting. The details of tested muscles and the relation between spontaneous muscle activities and JHD should be discussed. Meanwhile, common acquired neuropathies, such as diabetes mellitus and carpal tunnel syndrome, may lead to this active denervation.

5) Numerous spelling or word-choosing errors are noted in the manuscript.

Ex.

1. "Huntington disease" should be "Huntington's disease".

2. "Parental" in page 6, line 15 and table 1 should be "paternal".

3. Page 4, line 33: "he" should be "He".

4. Page 4, line 37: "choric" should be "choreic".

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

No
**Does the work include the necessary controls?**  
If not, please specify which controls are required in your comments to the authors.

Unable to assess

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No

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Not relevant to this manuscript

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Please indicate the quality of language in the manuscript:

Not suitable for publication unless extensively edited

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