Reviewer’s report

Title: Characteristics of a newly diagnosed Polish cohort of patients with neurological manifestations of Wilson disease evaluated with the Unified Wilson's Disease Rating Scale

Version: 0 Date: 05 Sep 2017

Reviewer: Chin-Chang Huang

Reviewer's report:

The study report a good correlation between disability (UWDRS part II) and neurological impairment (UWDRS part III) and a poor correlation between neurological impairment and disability vs. copper parameters or liver impairment in 53 WD patient with treatment Naïve patients. The study is interesting particularly in the treatment-Naïve WD patients, although the sample size is small.

However I have several questions and concerns about the paper.

Major Questions

1. The study recruits WD patients from 2005 to 2014 and studied with UWDRS. My question is that the UWDRS is published from 2007. Therefore how many treatment-Naïve WD patients receive no medication from 2005 to 2007?

2. As we know that most neurological WD had overlap of symptoms including ataxia, dystonic, parkinsonism. I would like to understand how to classify the three subtypes of dystonic, parkinsonism, ataxia with tremor.

Minor concerns

1. I would like to know the internal consistency and Intraclass and correlation coefficient of the UWDRS

2. I hope the authors can comment on the minimal UWDRS, a report published in the BMC Neurology 2017 reported by volpert et al.

3. The study did not describe the neuroimages findings such as CT/MRI scans. Did they had a good correlation among lesion sites and 3 subtypes and UWDRS.
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.

I am able to assess the statistics

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

Acceptable

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