Author’s response to reviews

Title: Characteristics of neurological Wilson's disease with corpus callosum abnormalities

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Author’s response to reviews:

Dear Editor and Reviewers,

On behalf of my co-authors, we thank you very much for giving us an opportunity to revise our manuscript. We kindly appreciate editor and reviewers very much for their positive and constructive comments and suggestions on our manuscript entitled “Posterior (splenium) and anterior part (genu) abnormalities of the corpus callosum in Wilson's disease”(NURL-D-18-00343R2). To address the critiques of the reviewers, we revised our manuscript according to their comments.

We would like to express our great appreciation to you and reviewers for comments on our paper.
Looking forward to hearing from you. Thank you and best regards.

Yours sincerely,

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Editor Comments:

1. Please provide additional information in the Manuscript regarding the MRI scanning methodology used in the study.
Answer: Thanks! I revised the section of methods and provide the MRI scanning methodology used in the study.

2. Please list email addresses of all authors on the Title Page.
Answer: Thanks! I revised the Title Page and listed email addresses of all authors on the Title Page.

3. Please remove the duplicated title that precedes the manuscript Abstract.
Answer: Thanks! I removed the duplicated title that precedes the manuscript Abstract.

4. Please re-order the Declarations so as to be consistent with BMC Neurology guidelines (https://bmcneurol.biomedcentral.com/submission-guidelines/preparing-your-manuscript/research-article).
Answer: Thanks! I re-order the Declarations due to the BMC Neurology guidelines.

5. Please provide the ethical approval number obtained from the ethics committee of the Affiliated Hospital, Anhui University of Chinese Traditional Medicine, and append this to the ‘Ethics approval and consent to participate’ section of the Declarations.
Answer: Thanks! I provided the ethical approval number in the ‘Ethics approval and consent to participate’ section of the Declarations.

6. Please clarify if any patient was unable to provide written informed consent due to their condition and, if so, please detail this and the procedure to obtain consent in the ‘Ethics approval and consent to participate’ section of the Declarations.

Answer: Thanks! I promised that all patients have signed informed consent and append this in the ‘Ethics approval and consent to participate’ section of the Declarations.

7. Please state the role of the funding body in the design of the study and collection, analysis, and interpretation of data and in writing the manuscript. This should be declared in the funding section of the Declarations.

Answer: Thanks! I fully agree with you. I stated the role of the funding body in the design of the study and collection, analysis, and interpretation of data and in writing the manuscript and declared it in the funding section of the Declarations.

8. According to the ICMJE guidelines, to qualify as an author one should have:
   - made substantial contributions to conception and design, or acquisition of data, or analysis and interpretation of data; AND
   - been involved in drafting the manuscript or revising it critically for important intellectual content; AND
   - given final approval of the version to be published. Each author should have participated sufficiently in the work to take public responsibility for appropriate portions of the content; AND
   - agreed to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

According to these criteria several of the authors listed do not qualify as authors. Please kindly clarify whether each author contributed to other relevant aspects of the study and manuscript preparation, and state this in the Authors' contribution section of the Declarations.
If any individual does not qualify for authorship, according to the above guidelines, we would ask that they are included in the Acknowledgements only. To request a change in authorship, please download the 'Request for change in authorship form' which can be found here - http://www.biomedcentral.com/about/editorialpolicies#authorship. If relevant, please send the completed form to our editorial office BMCSeriesEditorial@biomedcentral.com.

Answer: Thanks! I fully agree with you and read the ICMJE guidelines in detail. I promise that all the authors listed met the ICM Guidelines.

9. Please ensure that tables are free of shading and formatted according to BMC Neurology guidelines (https://bmcneurol.biomedcentral.com/submission-guidelines/preparing-your-manuscript#preparing+tables), and placed at the end of the manuscript after the references.

Answer: Thanks! I revised the table according to BMC Neurology guidelines.

10. If your manuscript does not contain identifiable data from any individual person, please add and state “Not applicable” in a Consent for publication section of the Declarations.

Answer: Thanks! I stated “Not applicable” in a Consent for publication section of the Declarations.

11. Please ensure that you remove, or mask, any potential patient identifying information in your figures.

Answer: Thanks! I fully agree with you. I ensured that I removed any potential patient identifying information in your figures.

12. Unfortunately, some language issues remain in the manuscript. Please ensure that you have thoroughly checked your manuscript for any language errors. We recommend that you ask a native English speaking colleague to help you copyedit the paper.

Answer: Thanks! I fully agree with you. We thoroughly checked our manuscript and revised the language errors.
Imran Rizvi (Reviewer 1): The study presents interesting finding of CC involvement in patients of WD. However the manuscript is still poorly written and needs major revision. I have the following suggestions to make.

Title: Title of the manuscript should be rephrased to make it more comprehensible.

Answer: Thanks! I fully agree with you. I revised the title as "Characteristics of neurological Wilson's disease with corpus callosum abnormalities'.

Abstract:

The authors have written the P values as 0.00; which should be changed to 3 decimal places and if it still remains zero then it should be re written as P<0.001.

Answer: Thanks! I fully agree with you. I revised it according to your advice.

The results written in the abstract section should be rewritten it contains grammatical errors and is not clearly conveying the message.

Answer: Thanks! I fully agree with you. I revised the grammatical errors and re-wrote results in the abstract section according to your advice.

The UWDRS scores should be presented in the form of median (IQR) rather than a mean ±SD.

Answer: Thanks! I fully agree with you. It was my mistake and I presented in the form of median (IQR).

Conclusion of the abstract section should also be rephrased as "Wilson's disease can involve the posterior as well as the anterior part of CC; and patients with CC involvement had more extensive....

Answer: Thanks! I fully agree with you. I re-wrote the conclusion of the abstract section according to your advice.
Introduction:

The authors have claimed that the detection of CC abnormalities can result in early diagnosis and improve therapy. How is that possible? I do not agree with this statement.

They should simply write that the aim of the study was to detect the frequency of CC involvement in patients of WD; and to study differences in the clinical, biochemical, and neuroimaging features in patients with or without CC involvement.

Answer: Thanks! I fully agree with you. I re-wrote the Introduction of the manuscript section according to your advice.

Results:

The long subheadings given in the results section are not appropriate they should be shortened.

I suggests subheadings like

Baseline characteristics

Differences in the clinical features of patients with or without CC involvement

Differences in the biochemical/laboratory features of patients with or without CC involvement

Differences in the neuroimaging features of patients with or without CC involvement

Answer: Thanks! I fully agree with you. I re-wrote the subheadings given in the results section according to your advice.

In the results sections the authors have described few things which should be described in the methods sections. Like assessment scores, blood sample collection etc should be described in the methods sections and not in the results section.

Answer: Thanks! I fully agree with you. I revised it and removed it to the methods of the abstract section.

In the conclusion sections the authors the authors have again claimed that the findings of their study can help in early diagnosis and better management. I think this is not correct, rather the authors should simply mention that CC involvement (both anterior and posterior) can occur in WD, the radiologist and clinicians should keep this minds. The authors can also mention that patients with CC involvement can have more severe and extensive disease.
Answer: Thanks! I fully agree with you. I revised it according to your advice.

They should also mention that this study is retrospective and a prospective study with larger sample size may convey more information regarding the frequency and significance of CC involvement in WD patients.

Answer: Thanks! I fully agree with you. I revised and stated it in the Conclusions of the manuscript.

In the image F the CC involvement is not very clearly visible.

Answer: Thanks! I fully agree with you. I revised the image to make it clear. In addition, I examined the original image in detail and found that F in the original image was not FLAIR, so I removed it.