Author’s response to reviews

Title: A de novo ANK1 mutation associated to hereditary spherocytosis: a case report

Authors:

tilong huang (tilonghuang@etyy.cn)
baohua sang (baohuasang@etyy.cn)
Qing-Ling Lei (qinglinglei@etyy.cn)
chunyan song (chunyansong@etyy.cn)
yunbi lin (yunbilin@etyy.cn)
yu lv (yulv@etyy.cn)
chunhui yang (chunhuiyang@etyy.cn)
a li (nali@etyy.cn)
yuehuang yang (yuehuangyang@etyy.cn)
xianwen zhang (xianwen-zhang0717@163.com)
xin tian (xintian@etyy.con)

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Technical Comments:

Please include 'Declarations' heading in your Declarations section.

Answer: Thanks. We had included it.

CARE guidelines

In accordance with BioMed Central editorial policies (http://www.biomedcentral.com/submissions/editorial-policies#standards+of+reporting), could you please ensure your manuscript reporting adheres to CARE guidelines (http://www.care-statement.org/downloads) for reporting of case reports. This is so your methodology can be fully evaluated and utilised. Can you please include a completed CARE checklist as an additional file when submitting your revised manuscript.
Answer: Thanks. We had included a completed CARE checklist as an additional file.

Editor Comments:

Although we acknowledge that you have revised the manuscript, you still have significant text overlap with existing literature, particularly in the discussion. Please go over the language and modify so that it is different from the phrases used by these publications:

- [link](http://www.oncotarget.com/index.php?journal=oncotarget&page=article&op=view&path=18243&path[])=58490
- [link](https://www.sciencedirect.com/science/article/pii/S0378111917305218?via%3Dihub)

(the original Guan et al study flagged to you previously and two additional publications).

Answer: Thanks for the suggestion. We had revised it.

In addition, please carry out further copy-editing of your manuscript to improve the English standard, particularly in the areas that you revised in the last round.

Answer: Thanks for the suggestion. We had revised it.

Reviewer reports:

Anirban Das (Reviewer 1):

Minor grammatical and editorial corrections would be needed in many parts of the text.

Answer: Thanks for the suggestion. We had revised it.

Unavailability of the EMA-binding assay should be mentioned, as it is a part of routine and recommended workup of HS as per existing guidelines.

Answer: Thanks for the suggestion. Regrettably, eosin-5'-maleimide binding assay with flow cytometry is the test of choice to diagnose HS but isn’t available in our laboratory. We had revised it in discussion.

Susana Rocha (Reviewer 2): Considerations:
An overall revision of the written English is advisable, since some verb forms or singular/plural denominations are not correct.

Answer: Thanks. We have made the revision as the suggestion.

Case presentation - Because blood transfusions can adulterate the analytic results it should be specified that the routine blood examinations were performed before the transfusion. The authors still have not addressed the issue about possible blood transfusion "contamination" and/or adulteration of results. The authors should make it clear if the analytic results were performed before or after blood transfusions.

Answer: Thanks. Your suggestion is very important. All of hematological tests were performed before blood transfusion. According to your suggestion, we have emphasized the issue in case presentation.

Line 78 - delete "was"

Answer: Thanks. We have made the revision as the suggestion.

Line 96 - substitute "hasn't reported" by "hasn't been reported".

Answer: Thanks. We have made the revision as the suggestion.

Line 275 - substitute "G-6PD" by "G-6-PD".

Answer: Thanks. We have made the revision as the suggestion.

Figure C - the arrows are missing (in the first version of the manuscript they were there).

Answer: Thanks. We have made the revision as the suggestion.