Author’s response to reviews

Title: Comprehensive chromosomal aberrations in a case of a patient with TCF3-HLF-positive BCP-ALL

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Author’s response to reviews:

Lublin March 16th 2020

Dear Editor-in-Chief of the BMC Medical Genomics,

Please find enclosed the revised manuscript MGNM-D-20-00025: “Comprehensive chromosomal aberrations in a case of a patient with TCF3-HLF-positive BCP-ALL” by Monika Lejman, et al., to be submitted as a Case Report to the BMC Medical Genomics for consideration of publication.

All co-authors have seen and agree with the contents of the manuscript and declare no conflict of interest. We certify that the submission is original work and is not under review at any other publication.

As compared to the second revision, the next revised version of the manuscript contains corrected legend of Figure 4 prepared according to Reviewers comments. The manuscript was edited for proper English language, grammar, punctuation, spelling, and overall style by one or more of the highly qualified native English-speaking editors at Springer Nature Author Services (verification code: A5B8-80EA-48A6-4EB7-6A20). The revised manuscript was checked by native Speaker.

We believe that our findings could be of interest to the readers of the BMC Medical Genomics, because the raised issues still are very popular among clinicians. We hope that the editorial board will agree on the interest of this study.

I would like to thank you for your comments.
Below I indicate the revisions, which were made according to Reviewer’s comments. The changes are highlighted.

Reviewer # 2:

Please include all comments for the authors in this box rather than uploading your report as an attachment. Please only upload as attachments annotated versions of manuscripts, graphs, supporting materials or other aspects of your report which cannot be included in a text format. Please overwrite this text when adding your comments to the authors.

Revision and my comment

All comments were provided according to the Reviewers requests. The manuscript was corrected.

Reviewer # 4:

The authors have actioned the latest comments, but have unfortunately jumbled the figure legend for Figure 4.

"Two breakpoints clustering in two TCF3 intronic regions are distinguished. At the transcript level, type I translocation results in joining TCF3 exon 16 to HLF exon 4. Moreover, intronic sequences, new splice sites and inserted non-template sequences are attached to the HLF gene (lightening purple line). Implications resulting from the insertion of certain sequences have not yet been studied. Type II translocation occur downstream of TCF3 exon 15. In this case, TCF3 exon 16 is not part of the fusion transcript. Boxes correspond to exonic regions of the TCF3 gene (green colour) and the HLF gene (red colour). Lines correspond to intronic regions of the TCF3 gene (green colour) and the HLF gene (red colour). Additional upstream and downstream exons of TCF3 and HLF gene are not graphically represented. Lightning bolds represents exons involved in TCF3-HLF fusion."

To correct the spelling errors and interpretation, this should read:

"Two breakpoints clustering in two TCF3 intronic regions are distinguished. At the transcript level, type I translocation results in joining TCF3 exon 16 to HLF exon 4. Moreover, intronic sequences, new splice sites and inserted non-template sequences are attached to the HLF gene (purple shadowed line). Implications resulting from the insertion of certain sequences have not yet been studied. Type II translocation occurs downstream of TCF3 exon 15. In this case, TCF3 exon 16 is not part of the fusion transcript. Boxes correspond to exonic regions of the TCF3 gene (green) and the HLF gene (red). Lines correspond to intronic regions of the TCF3 gene (green) and the HLF gene (red). Additional upstream and downstream exons of the TCF3 and HLF gene
are not graphically represented (broken coloured lines). Lightning bolts represent intronic breakpoints."

Revision and my comment

This legend was corrected. (Figure legend section, line 354-365, page 16-17).

Sincerely yours,

Monika Lejman on behalf of the authors.

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