Reviewer’s report

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

Version: 0 Date: 23 Jan 2020

Reviewer: Weicheng Chen

Reviewer's report:

This report describe a rare patient with a deletion of a long arm fragment of chromosome 13 (13q12.2-q21.1) and co-existing TCF3-HLF fusion. I still have several questions.

1. Have you process CytoScan HD (Affymetrix) microarray for copy number variation (CNV) analysis on the patient's parents? It is better that the hereditary feature is thorough, then we can tell if the CNV is resonable for ALL.

2. Can you tell us whether RB1, PAX5, NOTCH1, CDKN2A and CDKN2B is dominant or recessive pathogenic genes? If some genes are recessive pathogenic genes, further whole extron sequencing or whole genomic sequencing maybe necessary to confirm another allele.

3. Is there any evidence that could prove fusion gene TCF3-HLF and the long arm fragment of chromosome 13 (13q12.2-q21.1) are related to poor outcomes?

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.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

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.

Not relevant to this manuscript
Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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