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November 13, 2019

Dear Professor,

Thank you very much for your decision letter and advice on our manuscript (Manuscript ID: NO: 51329) entitled, "Clinical characteristics on manifestation and gene mutation of a transient neonatal cyanosis: a case report".

We also thank the reviewers for their constructive and positive comments and suggestions. Accordingly, we have revised the manuscript. All amendments are highlighted in red font in the revised manuscript. In addition, point-by-point responses to the comments are attached below this letter.

We hope that the revision is acceptable for publication in your journal.

We look forward to hearing from you soon.

Yours sincerely,

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First of all, we would like to express our sincere gratitude to the reviewers for their constructive and positive comments. We offer following clarifications.

NO: 51329

## Comments

**Replies to Reviewer**

**Reviewers Comments**

**Reviewer's code: 00071178:**

I think the authors did not look at the format of the WJG magazine series when preparing this article. First of all, the article should be prepared according to the case presentation format of WJCC journal. References should be arranged in WJG format The last sentence of the introduction should be revised. The words From From October to December 2017 dir should be removed from the article. I do not understand who is the person named Lu Qijuling mentioned in the text. It is better not to mention the

patient name in the article. I couldn't understand the authors' support from five different institutions for the management of one case. There is no such practice in my country, but I don't know if there is such an application in China. I hope the authors will explain this issue. In other words, they should explain how they receive support from five different institutions for only one genetic analysis. I believe that this case report can be published academically after the above issues have been corrected.

**Response:** We appreciate the comments. According to your suggestion, we have made the following modifications, thanks a lot!

1. All references were arranged in WJG format. (Page 15, Lines 30-34; Page 16-17.)
2. The last sentence of the introduction had been revised. (Page 4, Lines 29.)
3. The words From From October to December 2017 dir were removed from the article. (Page 4, Lines 29.)
4. The person named Lu Qiuling mentioned in the text was deleted. (Page 6, Lines 21,22,23; Page 8, Lines 4,5.)
5. There is only one institution for the management of my case, and other institutions had been deleted already. (Page 1, Lines 25-26.)

**Reviewer's code: 01467363**

Title: accurately reflects the topic and content of the paper.

Key words: 6, keywords are appropriate to define the content of the article. Abstract: 161 words, structured, informative. Introduction: 141 words, the authors present the basic features of transient neonatal cyanosis. Medical records: 748 words, the chapter explains clinical characteristics of the newborn, laboratory values, results of genetic testing in the family (Figures A, B, C), findings of imaging methods, diagnosis and treatment. Gene mutation analysis: 166 words, explained is the detected mutation (a heterozygous mutation in the exon region of the HBG2 gene: c.190C>T (nucleotide number 190 in the coding region is changed from cytosine to thymine), resulting in amino acid change p.H64Y, the amino acid is changed from histidine to tyrosine, which is a missense mutation). Discussion: 680 words, the authors explain the basic features of neonatal cyanosis and the diagnostic procedure for this condition. They further explain the role of HBG2 gene associated with transient neonatal cyanosis. Conclusion: 78 words, the authors emphasize the fact that the condition described has no special treatment. References: 8, are appropriate, relevant, from the period 1980 (Hemoglobin) – to Cardiol Young 2014, there are some typographical errors in the references. The study was supported by the General Program of the National Natural Science Foundation of China (81771626) etc. Informed consent statement: written informed consent was obtained from the patient's legal guardian for

publication of this case report.

Conflict-of-interest statement: all authors declare no conflicts-of-interest related to this article.

Opinion of the reviewer: Interesting case report, I suggest accepting the paper with language and typographical corrections.

**Response: Thank your good comments! We have revised the manuscript as follows:**

1. References: Two articles were added, from the period 1980 (Hemoglobin) – to Genetic Yang L 2019, some typographical errors in the references were revised. (Page 15, Lines 30-34; Page 16-17.)
2. The study was supported mainly by National Natural Science Foundation of China, No.81771626). And other institutions were deleted. (Page 1, Lines 25-26.)
3. Language and typographical of our manuscript had been corrected. According to the revision requirements of the paper, the revision is completed one by one. For details, please refer to the paper.