**Author's response to reviews**

**Title:** The identification of a spontaneous 47,XX,+21/46,XY chimeric fetus with male genitalia

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**Author's response to reviews:** see over
Dear Editor:

We have revised the manuscript “The identification of a spontaneous 47,XX,+21/46,XY chimeric fetus with male genitalia” according to reviewers’ comments (version3). Please see the following point-to-point responses. We also formatted this manuscript to conform with journal style: 1) the first paragraph in “Discussion” was used as “Background”, and 2) replaced “Discussion” section with “Conclusion”. We hope this version of revision is satisfactory.

Please let me know if there is any issues need to be further managed.
Thank you very much for your kind assistance.

Best,

Ingrid Liu
On behalf of the authors
Responses to comments made by reviewer 1

Minor essential revisions:

1. Title: please add an “a” with genitalia
   Response:
   We have corrected “genital” to “genitalia”.

2. Abstract:
   2.1 Case Presentation- “Here, we present an additional case, an aborted fetus with a karyotype of 47,XX,+21/46, XY.” Please remove space in 46,XY
   Response: We have removed the space and corrected the format through the whole manuscript.
   2.2 (47,XX,+21) to (46,XY) should be written with square brackets instead [47,XX,+21] to [46,XY]
   Response: We have replaced the expression with square brackets for the whole manuscript.

3. Conclusion: (X, +21) sperm, remove space (X,+21)
   Response: We have removed the space.

4. Case Presentation: at 7 months old, perhaps change to at the age of 7 months
   Response: We have changed it to “at the age of 7 months”.

5. Results and Figure 1: Perhaps change “enlarged gap between the large and the second toes” to “enlarged gap between the first and the second toes”.
   Response: We have changed it to “enlarged gap between the first and the second toes”.

6. Revise “The death of a twin could not result in coexistence of XX and XY cells in the amniotic fluid because cells in dead tissues stop dividing and would not be detected by karyotyping”.
   Response: We have revised the sentence accordingly.
Responses to comments made by reviewer 2

1. Title: “genitalia”, not “genitali”  
   
   Response: We have corrected “genital” with “genitalia”.

2. Discussion second paragraph: avoid use of “parthenogenetic chimera (twice in second paragraph)”  
   
   Response: We have deleted “parthenogenetic” from “parthenogenetic chimera” presented in “Discussion”.

3. Make capital “I” from “in vitro” small  
   
   Response: We have made the capital “I” small.

4. Add “be”- “tetragametic chimeras can also be fused from”  
   
   Response: We have added “be” to the sentence.

5. Third paragraph of “Discussion”, remove “male and female” from--- may range from normal to ambiguous external genitalia—  
   
   Response: We have removed “male and female” from the sentence.

6. Remove “who” from Those with ambiguous genitalia—  
   
   Response: We have removed “who” from the sentence.