Reviewer’s report

Title: Relationship of genetic causes and inhibin B in non obstructive azoospermia spermatogenic failure

Version: 0 Date: 08 Apr 2017

Reviewer: Hirofumi Nakaoka

Reviewer's report:

As I previously pointed out, the authors concluded that "there was no correlation between karyotypes and Y chromosome micro deletion (YCMD)" in Abstract.

In the revised version of their manuscript, "chi-squared test was used for comparison of proportions".

Chi-squared test is one of the most standard approach to evaluate correlation between two categorical variables as shown in Table 2.

Although they describe they used chi-squared test in their manuscript, the applied Pearson's correlation analysis to evaluate association between karyotypes and YCMD.

Pearson's correlation analysis does not seem to be appropriate approach for examining correlation between two categorical variables as shown in Table 2.

The result did not reach statistical significance (P=0.058).

If the authors apply chi-squared test, association between karyotypes and YCMD become highly statistical significance (P=0.00056).

This issue was pointed out in the previous revision. However, the authors did not fully consider.

Please apply standard statistical approach and consider the conclusion.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

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

I am able to assess the statistics

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Acceptable

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