Reviewer’s report

Title: Associations among IGF-1, IGF2, IGF-1R, IGF-2R, IGFBP-3, Insulin genetic polymorphisms and central precocious puberty in girls

Version: 0 Date: 13 Dec 2017

Reviewer: Aldo Ferreira-Hermosillo

Reviewer's report:

Major concerns

1) In the Abstract section, the methods couldn't contain part of the results. The authors should place the last part of that paragraph in the Results section.
2) In the method section, the authors affirm that the study is a "case-control study". However according to table 2 all demographic and biochemical characteristics were different among groups. Authors must explain why they considered this as a "case-control study" instead of a two-cohort study.
3) Results section. Considering that bone age was statistically different among groups. Does evaluated correlations between IGF-1 and the demographic and pathological features were assessed after adjustment for BA?
4) In the discussion section, authors should explain why associations were found between age, body mass index and weight with the SNP studied, but not with the z-score

Minor concerns

1) Throughout the text the authors write "gonadothropin", this must be changed to "gonadotropin".
2) In the section Background. The meaning of the abbreviations must be placed since the first time they are mentioned in the text.
3) In the methods section, page 10, line 9. It said that testosterone test was performed to male population. This must be removed from text.
4) In table 2, due to authors are adding p-value into the table, its unnecessary to repeat that those results had a p <0.05
5) Table 4-1 and 4-2 refers to comparison of demographic and pathological features with SNP of different genes. Strictly it not contains a correlation index.

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.

Yes

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

Yes

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

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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