Reviewer’s report

Title: FSH may be a useful tool to allow early diagnosis of Turner syndrome

Version: 0 Date: 29 Jul 2017

Reviewer: Helena Gleeson

Reviewer's report:

Interesting study looking at longitudinal gonadotrophins retrospectively in 15 girls known to have TS throughout childhood into early adolescence. The study utilised ultrasensitive assays. It showed that at the four time points FSH but not LH was elevated in the majority. The authors concluded that this approach may be particularly valuable in geographical areas where karyotyping is less accessible. As identified by the authors the limitation is the small sample size.

Results

The text is difficult to read and confusing and should be simplified by referring to the results recorded in the tables and figures.

Table 1 would benefit from using a different way to describe age - such as years and months or do to 1 decimal space e.g. 0.4. Also the column described as puberty would be better be described as Pubertal Onset Status or something similar.

Table 2 would benefit from another column stating percentage abnormal.

Discussion

More discussion as to why your data differs from that of reference 13 would be helpful.

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.

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:

Needs some language corrections before being published

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