Reviewer’s report

Title: beta-hCG changes during spontaneous resolution in tubal ectopic pregnancies

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Reviewer: Reihaneh Hosseini

Reviewer’s report:

Although the subject of the manuscript entitled “beta-hCG changes during spontaneous resolution in tubal ectopic pregnancies” is not a novel issue, it explains a common problem which could be a guide for both patient and clinician. But the article needs some compulsory revisions.

1) In page 4, line 87: The study design is not “cohort” and it needs to be corrected.

2) The criteria for eligible women should be described clearly, for example the maximum size of ectopic pregnancy or free fluid in sonography.

3) The authors should describe interval of #-hCG tests clearly. It seems that there was not any regular plan for patients follow up.

4) In page 5 line 97, serum #-hCG below 5 IU/L and urinary pregnancy test are not the same.

5) In page 6 line 137, 218/474 patients were managed surgically and 256/474 patients were followed conservatively. What about medical management? Did you have medical management in your center?

6) It is better to use “fit line” and “R2” in scatter plots.

7) In table 1 you should report confidence interval for adjusted and unadjusted values.

8) The authors could consider the causes of failure in expectant management in 68 patients out of 226 and compare their risk factors.

9) The study is based on data from 158 patients and although it presents valuable data, the sample size is not sufficient to suggest a model.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.
Declaration of competing interests:

I declare that I have no competing interests.