Reviewer’s report

Title: Effect of BMI on blood value of patients on HCG day with IUI treatment

Version: 0 Date: 07 Jan 2020

Reviewer: Susan Branch

Reviewer's report:

This journal needs language review preferably by an English speaking person. There are inappropriate terms used, for example: "stone cutting position" = lithotomy position, "promoting excretion cycle" = ovulation induction.

Background:

Comments on results and methods should be moved to relevant sections and background section reviewed. The aims of the study are unclear.

Methods:

Inclusion criteria- what was the upper limit of BMI 35.1kg/m2? where as in results section the 3rd BMI category is indicated to be more than 25.

General information: need to indicate the groups that patients were divided into but the actual number of patients in each group should then be indicated in results section as a description of the sample population

The methods used for ovulation induction are unclear. Was the same method/medication/regime used for all these patients? Why were patients with PCOS excluded but patients with ovulatory disorders included? what kind of ovulatory disorders were these?

Was vaginal ultrasound monitoring done for all groups of patients? ie natural vs ovulation induction cycles? and how frequently were ultrasounds done? How exactly was the peak LH value determined? was this a blood or a urine test?

Results:

Text in section 3.3, 1st sentence is incorrect sections 3.1 to 3.4 are very repetitive and would benefit from addition tables or figures to better present the data

Discussion:
The discussion section needs review: the 1st paragraph is simply a repetition of results without any discussion or comparison to existing literature.

There are numerous grammatical errors, with areas of literature review which would be better placed in the background section and then expanded on in the discussion.

There is a contradiction of results toward the end of the discussion.

I suggest reviewing the abstract and title of journal once rest of text has been revised.

**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.

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:

Not suitable for publication unless extensively edited

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