Reviewer's report

Title: Anogenital distance is related to ovarian follicular number in young Spanish women: a cross-sectional study.

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Reviewer: Lars Rylander

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ANOGENITAL DISTANCE IS RELATED TO OVARIAN FOLLICULAR NUMBER IN YOUNG SPANISH WOMEN: A CROSS-SECTIONAL STUDY.

This study investigated the hypothesized association between anogenital distance (AGD) and female reproductive tract development. In general, the manuscript is well-written and I do only have a few comments which I think the authors have to consider:

1. I think the second sentence in the Abstract starting with “Some endocrine-disrupting chemicals…” should be omitted. The present study did not take EDCs into account at all.

2. The authors give a correlation coefficient between the two AGD measurements (r=0.40). I think it would be of interest to see a scatterplot including these measurements.

3. I think the authors in the Results should write “were more likely to have #6 ovarian follicles compared to < 6 follicles (OR 3.0, 95% CI 1.1, 8.6)”, instead of writing “3.0-times … more likely…”.

4. I think it would add important information to the readers if the authors also give the r2 values (the explained proportion of the variation) in the regression analyses. It will help the readers to evaluate whether both AGD measures, as stated by the author in the beginning of the Discussion, were “strongly associated with the presence of greater ovarian follicular number”.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare no conflicts of interest with respect to this publication.