Reviewer's report

Title: Prevalence, impacts and medical managements of premenstrual syndrome among female students: cross-sectional study in college of health science, Mekelle university, Mekelle, northern Ethiopia

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Reviewer: Desalegn Zegeye

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To: the Editor

BMC Women Health

Name of Reviewer: Desalegn Tegabu Zegeye

Authors: Fikru W Tolossa and Mebratu L Bekele

Title: Prevalence, impacts and medical managements of premenstrual syndrome among female students: cross-sectional study in college of health science, Mekelle university, Mekelle, northern Ethiopia

Reviewer's report:

This is an interesting manuscript that needs further work before acceptance for publication.

1. There are a few typos and language-style problems that need to be reviewed carefully.

2. It would be better if introduction is reviewed again and shortened because of redundant information and inclusion of literature review in the introduction section.

3. The sampling strategy is not clear. If both systematic and cluster sampling technique was used, a design effect should be considered.

4. The introduction needs to provide information about 'PMS is not a public health concern in Ethiopia”

5. Some variables (eg. Weight, height...) were shown in the tables but not reported in the result section. How such variables were also collected is not mentioned in the methods section.

6. The questions on menstrual pattern (duration and cycle length) are not good enough to detect variation. The authors use a cut of point of 28 days cycle length which is not true always.

7. The tables need to be redone. Table 6, 7, 8 are not clear.

8. Rather than presenting p values and chi-square values as measures of association would the authors provide odds ratios for example?

9. The discussion section is too long. The author is advised to select few variables and critically comment on that.
**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Needs some language corrections before being published

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

**Declaration of competing interests:**

I declare that I have no competing interests