Reviewer's report

Title: PREVALENCE, OUTCOMES AND ASSOCIATED FACTORS OF LABOR INDUCTION AMONG WOMEN DELIVERED AT PUBLIC HOSPITALS OF MEKELLE TOWN – A HOSPITAL BASED CROSS SECTIONAL STUDY.

Version: 0 Date: 31 Oct 2019

Reviewer: Roxana Knobel

Reviewer's report:

The study is interesting and presents results from two hospitals in Ethiopia.

The results presented differ from most other studies mainly in the percentage of inductions and their success rate.

However, some aspects need to be clarified - especially regarding women with previous caesarean sections, one maternal death and the high number of neonatal deaths.

PG 3 L 5 - Iatrogenic - change the Word. I suppose is artificial or medical.

PG3 L 29 - close the "

PG 3 L32 - all of which are not recommended by the Ethiopian national guideline for induction. Then, what is the conduct recommended by the Ethiopian national guideline for induction?

Method

Describe in the methods the size of the hospital, the number of obstetric beds, the trained professionals in obstetric care who work in the care of pregnant women for both hospitals

Clarify how the sample size was calculated

Clarify what is considerate a favorable Bishop.

Result

Did any women have previous caesarean sections?
For those who were initiated on oxytocin infusion, 81 (37.9%) were maintained at the second dose, 58 (27.1%) at the third and maximum dose and 17 (7.9%) at the first dose. - clarify what is the first, second, third and maximum dose - this have to be in the method section

Both Table 5 and Table 6 can only show positive results. There is no need to put "yes" and "no" of each variable.

Both tables can be presented in a single table.

I understand the function and purpose of table 7. But I see no need to put tables 8 and 9. To make this comparison, it would be necessary to compare women who had induction with those who had spontaneous delivery and not with the few in which induction failed.

I suggest keeping tables 7 and 10 and removing tables 8 and 9

Please explain how multivariate regression was performed in the methods

The number of fetal and neonatal deaths is high compared to other studies.

Considering the local reality, it would be interesting to compare induced and spontaneous births. Or at least cite these cases in the discussion comparing with other local and international data.

The maternal death should be better presented. Was the cause of death related to induction?

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.

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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