Reviewer's report

Title: The risk of cesarean delivery after labor induction among women with prior pregnancy complications: A subgroup analysis of the AFFIRM study

Version: 0 Date: 30 Aug 2019

Reviewer: Fariba Aghajafari

Reviewer's report:

This well written manuscript addresses the risk of caesarean (C/S) delivery after labour induction among women with prior pregnancy complications. The study followed a cohort of women taken from a database (AFFIRM) which includes patient level data form 9 RCTs. The authors concluded that the risk of C/S between was not deferent following labour induction and spontaneous labour in this cohort of women with high risk pregnancy. They also concluded that the risk of C/S is lower after labour induction for those women who received LMWH prophylaxis during pregnancy compared to spontaneous delivery.

The study is a cohort study, so, the risk of selection bias must be considered. As it is demonstrated in table 1 the complications during previous pregnancy and during the AFFIRM study were different between the group of women who had induction of labour and spontaneous delivery. The authors need to consider an adjusted regression analysis to address the covariates that could affect the outcome (risk of C/S).

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

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.

No

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