Reviewer's report

**Title:** Team training in obstetric and neonatal emergencies using highly realistic simulation in Mexico: Impact on process indicators in a cluster randomized trial

**Version:** 3  
**Date:** 24 August 2014

**Reviewer:** Malinee Laopaiboon

**Reviewer's report:**

This paper is an analysis of a trial comparing PRONTO training and control with no training on maternal and neonatal outcomes. The authors presented impact of the training on process outcomes of knowledge and self-efficacy scores between pre and post intervention in the 12 PRONTO training hospitals.

Major compulsory revision:

1) Even the authors presented that 50 questions and 88 were for knowledge and self-efficacy measures, it is unclear whether the answers would be only yes/no for each one or else. However, when consider the scores presented in table 2, the binary answers should not be for this situation. Scores at pre/post intervention of most categories of knowledge were higher than 50. It is also not clear if the scores are means values. Further the presentation of p value < 0.001-0.009 may be in appropriate.

I would suggest to present the possible maximum score and the statistics of observed scores at pre and post of each category and changes with 95% confidence interval of change. This should be applied for other changes.

2) In table 1, what is the meaning of means and sd for male ( vs female) and other participant characteristics.

3) Most of changes of teamwork assessment are statistical significant but it is not clear if the changes are clinical significant. Mean (SD) at each period and 95% confidence interval of the change are more information.

4) How we interpret the results of table 6 and what the benefit of results to the research objective.

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

I declare that I have no competing interests