Reviewer's report

Title: Breastfeeding and pain relief in full-term neonates during immunization injections: a clinical randomized trial

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Reviewer: José Dórea

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Minor Essential Revisions

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Title: Breastfeeding and pain relief in full-term neonates during immunization injections: a clinical randomized trial.

General comments:

The study evaluated the effect of breastfeeding on pain relief in full-term neonates during injection of hepatitis B vaccine.

The material is not new, but carries the merit of bringing into perspective two important practices – immunization and breastfeeding. It reinforces another complementary role of breastfeeding on immunization – pain and stress relieve.

This is a simple, straightforward study, timely, and of value to pediatric professionals.

The objectives are clearly specified and justified, and for the purpose of the study, the sample size is adequate.

The paper is well written, concise and there are no obvious errors of fact, logic or interpretation which need to be rectified.

The hypothesis is clearly formulated and is supported by pertinent references.

Specific Comments:

The formulation of the Hepatitis B should be stated (Materials and Methods) in relation to the preservative (if any). There are recent reports indicating differences in pain reaction between vaccines preserved with Thimerosal or phenoxyethanol. Actually these papers (Tsuji et al, 2012; Terada et al, 2010) are worth discussing.


Other than that I could see no flaws and have no further suggestions that could improve it.

**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 that I have no competing interests'