Reviewer's report

Title: Reducing Ventilator-associated Pneumonia in Neonatal Intensive Care Unit Using “VAP prevention Bundle”: a cohort study

Version: 2 Date: 2 March 2015

Reviewer: Maria Cernada

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Some strategies of the bundle, such as head of bed elevation or oral care, have an unknown benefit in neonatal population. However, other measures which have been shown to prevent VAP in neonates, such as avoid unplanned extubation and reintubation, avoid gastric distension, disinfect respiratory equipment before storage, and remove condensate from ventilator circuit frequently, are not included. Moreover, authors do not provide information about their experience with the program, full fill rate or level of adherence.

Finally, diagnosis of VAP is based only on clinical and radiographic findings and microbiological samples are not taken into account. Samples from non-bronchocopic BAL are taken, however information regarding to technique and cut off for diagnosis are lacking. This fact constitutes a major limitation, since this approach increases the over diagnosis and makes difficult to distinguish infection from colonization.

Level of interest: An article of importance in its field

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

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

Declaration of competing interests:

I declare that I have no competing interests