Reviewer's report

Title: Evaluation of Seasonal Patterns of Kawasaki Syndrome- and Rotavirus-associated Hospitalizations in California and New York, 2000-2005

Version: 1 Date: 15 June 2009

Reviewer: Eduardo M Volotao

Reviewer's report:

- Major Compulsory Revisions

1-In the first paragraph the authors are considering the vaccine rotavirus recommendation to “all US children” and the right sentence must consider the age restriction criteria for rotavirus vaccination. CDC recommendation refers to Rotarix vaccine (Glaxo SmithKline) and there is no recommendation to RotaTeq in the mentioned reference (1).

At the same sentence, the authors are considering the year of 2006 for the Licensing of RotaTeq vaccine and the recommendation and the correct sentence should consider the year 2009 for the specific recommendation.

2- In the second paragraph there a study of correlation (KS and rotavirus presence) in Japanese children (7) and a genetic characteristic wasn’t mentioned. Japanese children are more likely than other children to contract the disease. Incidence rates are nearly 10 times as high for Japanese children younger than 5 as they are for the same age group of Caucasian children, with intermediate incidence rates in children from Hispanic and African American backgrounds. Other consideration for the study group chosen is that boys are about 1.5 times as likely to get Kawasaki disease as girls.

- Minor Essential Revisions

1- In the figure 2 (Figure 1B) the graphic must be changed by the way is difficult to differentiate the two lines (California/ New York).

- Discretionary Revisions

1- In the Discussion at the end of the 1st paragraph the authors should exemplify the others factors that could be involved in the KS etiology.

2- In the Conclusion part the authors should determinate the appropriate study group for the fully evaluation of KS and rotavirus infection (Ethnic Group, male/female group …).

Level of interest: An article whose findings are important to those with closely related research interests
**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.