Reviewer's report

Title: Birth-weight, insulin levels, and HOMA-IR in newborns at term.

Version: 1 Date: 10 January 2012

Reviewer: George Datto

Reviewer's report:

The authors present a cross sectional study of cord blood insulin and HOMA-IR level in a small population of Mexican term infants. They do a good job in defining and excluding confounding maternal variables which helps with their small sample size.

The following are major concerns:

1. The authors do not have a citation that defines normal versus abnormal insulin and HOMA levels in newborns. Although addressed in their manuscript, this data needs to be published first.

2. When analyzed as a continuous variable, HOMA-IR was not significantly different between the three birth weight groups. (Table 1) Contradicts their conclusions.

Based on these major issues, the conclusions of the paper cannot be accepted.

Level of interest: An article of limited interest

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

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