Reviewer's report

Title: Association of Trypanosoma cruzi infection with risk factors and electrocardiographic abnormalities in Northeast Mexico

Version: 3
Date: 28 December 2013

Reviewer: Jennifer Manne

Reviewer's report:

The authors have significantly improved the quality of this manuscript with these revisions. In particular, the clarifications made to the methods and the addition of a paragraph noting the limitations of the study are excellent. Please find only a few Minor Essential Revisions below.

Minor Essential Revisions

1. Language
   - Under Epidemiological Survey change to: This model allows one to represent rural, suburban and urban regions according to the socioeconomic and cultural information reported by the Instituto Nacional de Estadística y Geografía (INEGI) [10].
   - The following sentence is somewhat confusing, consider simplifying and revising: "The sample size taken by NSS was 3,747 inhabitants, but the size population, proportion by gender, age, and origin of the samples (rural, suburban or urban counties) was not reported, which might lead to a slight underestimate of prevalence in the population."

2. Consider removing the word "significantly" from the sentence: Women of child-bearing age had a seroprevalence rate of 1.31% (data not shown), which suggests that congenital transmission may significantly contribute to the elevated infection rate in children. In addition, the authors could consider adding a sentence to this paragraph that notes this investigation of congenital transmission as an interesting area for future research.

3. Consider removing the statement "Thus, it is possible that our findings represent the first autochthonous cases of Chagas disease in Nuevo Leon, Mexico." It would seem to be prudent not to overstate the findings of your paper in the Conclusions section, especially given that the determination or characterization of autochthonous cases was *not* the stated objective of the study. The Conclusion statements used in the abstract are very good so it may make sense to rely more on those.

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