Reviewer's report

**Title:** Current parental tobacco use is associated with higher Body Mass Index in children and adolescents: an international cross-sectional study

**Version:** 2  **Date:** 8 July 2015

**Reviewer:** Susan B Torrey

**Reviewer's report:**

Major compulsory revisions:
Line 1: Title: This study is really about post-natal parental tobacco use since it includes data from the first year of life. Suggest changing title.

Line 102: The data for this study come almost exclusively from the environmental questionnaire. This section should contain more information about how that questionnaire was developed.

Line 128: For the dose-response relationship, were these arbitrary distinctions or were they based on response relationships for other established consequences of exposure to secondary smoke?

Line 130: How was fast food/burgers defined? Is this a standard definition?

Minor essential revisions:
Line 111: Please provide more information about adjustments that were made for measured vs reported height and weight. Since BMI is the primary outcome measure, the variability with which it was calculated introduced significant bias (not only recall for reported, but selection for which children had measurements performed). So it is important to give us as clear a sense of where these data came from as possible.

Line 146: Are these thresholds for excluding data standard? It might be helpful to mention what percentage of the data were excluded.

Line 284: The limitations need to be more specific about reporting and selection bias. Should include that the questionnaire was optional.

**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.