Reviewer's report

**Title:** Effect of changes in a food frequency questionnaire: comparing data from two national dietary survey instruments among 12-month-old infants

**Version:** 2  **Date:** 9 July 2013

**Reviewer:** fahimeh haghighatdoost

**Reviewer's report:**

All answers were acceptable.

Questions in my review were:

Present study assessed the effect of changes in a FFQ and compared data from two FFQs (1999 and 2007) in 12-month-old-infant. The results of 93 completed FFQ showed that among nutrients, the largest significant differences between the questionnaires were found for intake of vitamin D (an increment in 2007 FFQ compared with 1999) and added sugar (a decrement in 2007 rather than 1999). For food items, lower intake of yoghurt and higher intake of vegetables and fish were observed with the SFFQ-2007 compared to the SFFQ-1999. The national dietary surveys are important because of their role in reflecting the deficit and strengths. Manuscript has been well written and there is a balance between all parts. However, there are some minor comments to improve the paper which should be considered and the manuscript is acceptable after revisions.

**Major Compulsory Revisions:**

**Introduction**

1- Provide more details regarding the importance and practical aspects of national dietary survey among 12-old-infant.

**Method and material**

2- Did author select participants randomly? How did they do participants allocation in cross-over design? Was it randomly? If yes, which method was used for random allocation?

**Statistical analysis**

3- Did authors try to normalize nutrient distribution using log transform? It should be addressed and clarified that data found normal distribution after log transformation or not.

**Results and discussion**

4- Is the sample size adequate for this study?

5- How authors define the completed questionnaire? What was the enough response rate for including the questionnaire in analysis?

6- Why the variables of table 3 limited to macronutrients, ca, fe and vitamin D? Clarify its reason by more details.
7-Which supplements were assessed in these FFQs? Do authors consider them in analysis like vitamin D? It should be addressed in manuscript.

Discretionary Revisions
8-Report more details regarding the characteristics in table 1, such as the BMI value of mother (normal, overweight or obese), the birth weight of infant and socio economic status.

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

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

**Declaration of competing interests:**

'I declare that I have no competing interests'