Reviewer's report

Title: Changes in body weight, body composition and cardiovascular risk factors after long-term nutritional intervention in patients with severe mental illness: an observational study

Version: 3 Date: 26 January 2011

Reviewer: Carlos O Mendivil

Reviewer's report:

Major compulsory revisions:

- Please check the p-values for LOCF analyses in Table 4. It's very strange that, for instance, the absolute difference in blood glucose between visit A and visit D is 0.6 mg/dL, the SD is 20.4 mg/dL and still the reported p-value is<0.001. It just seems very unlikely. The same applies to other measures in the same table, like BMI, RMR and biochemical measurements. Please double-check that you are following the right methodology for LOCF.

Minor revisions:

- In Table 2 and in the text, it would be important to report the RMR adjusted by body weight (ie Cal/Kg), because it is well known that weight loss is accompannied by an apparent reduction of metabolic rate due to a smaller body mass. However, when the data are adjusted by weight, RMR in completers actually increased.

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

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