Reviewer's report

Title: Study protocol: The Effect of Vitamin D Supplements on Cardiometabolic Risk Factors among Urban Premenopausal Women in Kuala Lumpur, Malaysia - A Randomized Controlled Trial

Version: 3 Date: 19 December 2012

Reviewer: John Ludbrook

Reviewer's report:

Major compulsory revisions

I am concerned about some aspects of 'Data handling and statistical analysis' (p. 14):

1. It is essential that you nominate the outcome that will test your primary hypothesis. Otherwise you will be testing multiple hypotheses and will have to correct for the familywise Type I error-rate (false positive error).


3. You might also consider using a permutation test on means rather than data-transformation if you have non-normality or unequal variances.

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

Declaration of competing interests:

I have no competing interests.

John Ludbrook.