Reviewer's report

**Title:** High prevalence of vitamin D insufficiency and its association with cardio-metabolic risk factors among Malay adults in Kuala Lumpur, Malaysia

**Version:** 1  **Date:** 5 April 2011

**Reviewer:** Susan Whiting

**Reviewer's report:**

**Major Compulsory Revisions**

1. It is not clear if women are different from men in terms of effect of obesity on vitamin D status, as BMI and waist circumferences for mixed M&F. In particular, waist is a concern as the cut-offs are different. I would like Table 2 to be divided into male and female.

2. Table 1 – put in 25(OH)D cut-offs as nmol/L.

3. One has to be careful discussing results when there is no statistical significance. Power calculations should be done to determine if changes could be expected.

4. It is not clear whether people with hypertension are being treated.

**Minor Essential Revisions**

5. There are some journal names not abbreviated correctly.

6. The Discussion seems long and somewhat repetitive

**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