Reviewer's report

**Title:** Effects of vitamin D administration on cardiac natriuretic peptide levels in vitamin D deficient women

**Version:** 1  **Date:** 30 May 2008

**Reviewer:** Vin Tangpricha

**Reviewer's report:**

Overall, I have no major comments to this manuscript. The major strengths of the manuscript are the investigation of vitamin D in an emerging area in the vitamin D field. The weakness is that the renin levels and BNP levels were not elevated at baseline, the levels of 25-hydroxyvitamin D did not reach levels >75 nmol/L, which is now considered an optimal level and the study design (i.e. a post-hoc evaluation of previously collected samples and lack of a control group). The authors have discussed these issues in their conclusions.

**Suggested Revisions**

Would suggest a table for baseline demographics (height, weight, vitals, ethnicity, vitals, co-existing medical conditions or medications, etc) of the study population. This would be important to know which subjects were under investigation

Would suggest reporting blood pressure and pulse recordings before and after vitamin D.

If PTH levels are available, it would be useful to have this information as an additional marker for vitamin D status.

Would be good to new if there were any differences in those subjects that had samples available for analysis and those who did not have samples for analysis. This would be useful to avoid the potential of selection bias.

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

**Quality of written English:** Acceptable

**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

I declare I have no competing interests