Reviewer’s report

Title: Vitamin D deficiency in girls from South Brazil: a cross-sectional study on prevalence and association with vitamin D receptor gene variants

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Reviewer: Sowmya Krishnan

Reviewer’s report:

The manuscript is well written. But the clinical relevance of the study is not very clear. Some insight into the reason why correlating VDR receptor genotype to the serum levels may be important clinically needs to be mentioned. Also the authors could not find any association between insulin resistance with the haplotypes which is surprising as vitamin D level has been shown to influence insulin resistance. The authors should comment on future directions that this work will lead them.

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 below