Reviewer's report

**Title:** Validation study of candidate single nucleotide polymorphisms associated with left ventricular hypertrophy in the Korean population

**Version:** 1  
**Date:** 17 October 2014

**Reviewer:** DANIELA CACCAMO

**Reviewer's report:**

The question posed by the authors is well defined.
The methods are appropriate and well described.
The data sound and the figures appear to be genuine.
The manuscript adhere to the relevant standards for reporting and data deposition.
The discussion and conclusions are well balanced and adequately supported by the data.
The limitations of the work are clearly stated.
The authors don’t acknowledge any work upon which they are building.
The title and abstract accurately convey what has been found.
The writing is acceptable.

Minor essential revisions

A large body of literature in recent years showed that cardiac disease is associated with VDR polymorphisms also in Asian populations (see Levin et al. JAMA 2012; Alobeidy et al. PloS One 2013). It has also been reported that VDR polymorphisms are associated with left ventricular hypertrophy, although occurring as comorbidity of other pathologies (Testa et al. J Bone Min Res; El-Shehaby et al. Scand J Clin Lab Invest. 2013; Santoro et al. 2014). Notably, the VDR gene is located on chromosome 12 as well as the rs4129218 reported by the authors.

In view of these observations it could be worthy to consider if a linkage could exist between these genetic loci on chromosome 12 and comment on this, adding a sentence on the need of future investigations in this direction.

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

**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.