Reviewer's report

Title: A Genetic Variant of the Atrial Natriuretic Peptide Gene is Associated with Left Ventricular Hypertrophy in a Non-Diabetic Population - The Malmo Preventive Project Study

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Reviewer: Jose-Luis Perez-Castrillon

Reviewer's report:

This interesting paper titled "A genetic variant of the atrial natriuretic peptide gene is associated with left ventricular hypertrophy in non-diabetic population (The Malmö Preventive Project Study)" have as objective to test the hypothesis that rs5068 allele suppresively regulates the development of LVH in a non-diabetic population. The authors showed this association although the effect was attenuated in the multivariate logistic analysis. The Malmö Preventive Project is a large cohort with consecutive re-examinations. There was 968 eligible subjects in the final sample. The methodology is correct although the size of population is small.

Suggestion
- The genotype frequencies of rs5068 must be described
- The circulating plasma levels of NT-proANP could be measurement. This data could be interesting to establish the causality of association

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