Reviewer's report

**Title:** Use of a highly-sensitive cardiac troponin I assay in a screening population for hypertrophic cardiomyopathy: a case-referent study

**Version:** 1  **Date:** 8 March 2013

**Reviewer:** Juan Gagliardi

Reviewer's report:

The article is interesting. However, there is some discrepancy between the results and the conclusion presented.

Authors state that non significant increases in IDI and ROC were noted when the hsTnI assay was added to a clinic-based regression model to predict the finding of an abnormal echo consistent with a clinical diagnosis of borderline or definite HCM. But in conclusions affirm that hs-TnI may have better discrimination for HCM than the standard assay and than may add to ECG- and symptom-based prediction of HCM.

The ROC curve categorization provides a moderate contribution. However it is not statistically different from the contribution of cTnI.

**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 that I have no competing interests