Reviewer's report

Title: GSTM1*0/0 genotype and combined GSTM1*0/GSTA1*A genotype are associated with risk of cardiovascular death among hemodialysis patients

Version: 2 Date: 26 June 2013

Reviewer: Suthesh Sivapalaratnam

Reviewer's report:

The paper is well written and reads easily.

Major revisions:

A. Power.

Is the study sufficiently powered to answer the question? The number of individuals and cases during follow up is very little as the authors also point out. Could they include a formal power calculation?

B. Multiple testing.

I feel that they have not adequately addressed multiple testing issues. At least 5 different combinations of SNPs are tested and per combination 4 subanalysis are done. Please include either Bonferroni or if they feel this is too stringent FDR correction. If any result is significant after correction the conclusions drawn are fine, otherwise revision is needed.

C. ESDR related outcome

It is permissible that ESDR related parameters also contribute to end points. It is not clear if the ESDR related factors are similar between the carriers of the variants vs. non-carriers. Can they at least show the average urea and kreatin level per sub-group.

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests