Reviewer's report

Title: The CYP2J2 G-50T Polymorphism and Survived Myocardial Infarction in Patients with Cardiovascular Risk Profile

Version: 1 Date: 20 May 2008

Reviewer: Wilfried Renner

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Major Compulsory Revisions

1) The aim of the study is not very clearly stated. The target phenotype "survived myocardial infarction" is a bit puzzling: Do the authors suggest that CYP2J2 genotypes increase the risk for MI, or is the CYP2J2 genotype improving your chances to survive a MI? This should be clarified in the introduction and results sections.

2) After correction for classical risk factors, the CYP2J2 T allele is NOT significantly associated with survived MI (p = 0.073). Thus, the main finding is negative and should be presented and discussed as such. When the authors conclude the CYP2J2 variant is indeed associated with MI, they thereby suggest that their own finding is false negative. This should be clarified.

Level of interest: An article of limited interest

Quality of written English: Needs some language corrections before being published

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