Reviewer's report

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

Version: 2 Date: 18 August 2008

Reviewer: V A Cameron

Reviewer's report:

1. Is the question posed by the authors well defined?
No, the research design is flawed. The authors are proposing to answer the question does the CYP2J2 G-50T polymorphism increase the risk of MI in these cohorts, but cannot answer the question using a retrospective study design.

2. Are the methods appropriate and well described?
No, as above.

3. Are the data sound?
No, any association between the CYP2J2 G-50T polymorphism and history of MI is NOT significant in multivariate analysis corrected for other risk factors. The paper is neither definitively positive nor negative.

4. Does the manuscript adhere to the relevant standards for reporting and data deposition?
Yes.

5. Are the discussion and conclusions well balanced and adequately supported by the data?
No, the authors conclude that their data suggest the CYP2J2 G-50T polymorphism and history of MI may play a role in the development of MI. This work does not support this conclusion, and so adds no original findings to existing reports in the literature.

6. Are limitations of the work clearly stated?
Yes.

7. Do the authors clearly acknowledge any work upon which they are building, both published and unpublished?
Yes.

8. Do the title and abstract accurately convey what has been found?
The title is and the Abstract indicate that a significant association between the CYP2J2 G-50T polymorphism and history of MI was demonstrated, when it was not.
9. Is the writing acceptable?
The writing is acceptable.