Reviewer's report

Title: Variation in the human soluble epoxide hydrolase gene and risk of restenosis after percutaneous coronary intervention

Version: 1 Date: 24 June 2009

Reviewer: Per PT Tornvall

Reviewer's report:

The present manuscript deals with a potential association between an SNP in the soluble epoxide hydrolase gene and the risk of restenosis. The manuscript is of potential interest for researchers focused on this area of research. However, a number of comments and questions have to be responded to.

1. What is the specific theory behind the study? Why should this gene relate to restenosis?

2. The particular gene variant should be better described including rs-numbering. Is the SNP in a coding region? Does it affect expression or protein structure? Are there other SNPs in this gene that would be of importance? Why was this particular gene variant chosen?

3. Restenosis is expressed as a binary variable that is the value of choice. However, degree of late loss in mm could be tried to get more insight? No association in such an analysis would give more strength to the negative results.

4. What were the causes of restenosis in this patient cohort? This might have been published in another publication but should be mentioned also in this manuscript.

Level of interest: An article whose findings are important to those with closely related research interests

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