Reviewer's report

Title: Circulating Angiopoietins-1 and -2, Angiopoietin Receptor Tie-2 and Vascular Endothelial Growth Factor-A as Biomarkers of Acute Myocardial Infarction: a Prospective Nested Case-Control Study

Version: 1 Date: 22 February 2011

Reviewer: David Gaze

Reviewer's report:

The authors measured angiopoietin 1 and 2, the receptor Tie-2 and VEGF-A in 695 Ami cases and 690 age/gender/ethnicity matched controls.

Ang-2, VEGF-A and endothelium specific receptor tyrosine kinase were higher in cases than controls.

The paper is sound and the evidential findings in concordance with the population studied and the appropriate use of statistics employed.

The box and whisker plots in figure 1 are misleading given the whiskers for all measurands extend above the upper limit of the y axis. It would be pertinent to provide the full measuring range and provide the p value between the cases and controls. It would also be useful to rename the categorical axis as AMI and controls rather than cases and controls.