Reviewer's report

Title: Moderate Alcohol Consumption is Associated with Better Endothelial Function: a cross-sectional study.

Version: 1 Date: 7 October 2008

Reviewer: Michael Shecter

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Major Comments:

1. Since many factors impact endothelial function, some were mentioned by the authors (such as hypertension, diabetes mellitus, smoking, obesity, etc.) the authors should also control their findings also to concomitant medications which can influence endothelial function, such as statins, ACE-I, ASA, etc.

2. The authors should provide the data on the % of subjects with coronary artery disease (CAD) versus normal subjects and if the data on alcohol consumption true for these two populations.

3. This is not a typical US population. The % of males is very low, high percent of subjects with hypertension and lower than expected smokers. The authors should discuss this in the Discussion section.

4. Another limitation is the lack of nitroglycerin mediated vasodilation, which can assist in those with smooth muscle cell dysfunction. Authors should add this to the study limitation.

5. How many subjects had hyperlipidemia? How many were on lipid lowering medication?

6. Since the number of participants is relatively high do the authors can comment on the impact of alcohol consumption, endothelial function and clinical events???

7. The authors can better describe the study cohort by providing the Framingham 10-year risk score and control the 10-year Framongham risk score in the multivariate analysis.

Minor Essential Revisions:

1. In the References please correct BMJ instead of Bmj (References 2, 4, etc).
**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**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'