Reviewer’s report

Title: Systematic study of the effects of lowering low-density lipoprotein-cholesterol on regression of coronary atherosclerotic plaques using intravascular ultrasound in Western and Asian

Version: 3 Date: 11 October 2014

Reviewer: Flavia Ballocca

Reviewer’s report:

The manuscript is overall a good systematic revision on the relation between LDL-Cholesterol lowering and regression of atherosclerotic plaques. The aim is clear and well exposed, and both statistical analysis and discussion have been carried out with attention.

- Major compulsory revision

There is only one major comment to the manuscript: when describing the division in groups according to levels of LDL-C, these arms are described: 66 #70, >70#100HP, >70#100MP, >70#100LP, >100 mg/dL.

In the results however these groups are reported for Western, but for Asian the groups are only #70, >70#100HP and >100 mg/dL.

What is the reason for this difference?

- Minor Essential Revisions (English use and mistakes)

Page 4 lines 37-41: “In this meta-analysis, we investigated the difference between Western and Asian in the effect of LDL-C lowering therapy on the progression of the CAP from the current trials on LDL-C lowering therapy retarding the progression of the CAP and to identify the different targets of LDL-C that result in the regression of the CAP for Western and Asian.”

The grammar is not clear.

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

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