Reviewer’s report

Title: Effect of atorvastatin on the expression of gamma-glutamyl transferase in apolipoprotein E-knockout mice aortic atherosclerotic plaques

Version: 1 Date: 20 August 2014

Reviewer: Hazem F Elewa

Reviewer’s report:

Major compulsory revisions:

Methods:
1- A clarification of the atorvastatin dose chosen is necessary. What is the equivalent of such dose in humans is important to clarify as well.
2- Why was APOE KO mice used (rational for using such model)

Results:
2nd paragraphs, line 21: The interpretation of this correlation is not accurate. An r of 0.2 or 0.3 cannot be interpreted into strong correlation. It is actually a weak correlation.

Discussion:
3rd paragraph, Line 5-7: The assumption made that the atorvastatin in this study made the plaque more stable and delayed its progression is not valid since there were no functional studies done in this research. Please make necessary changes

Minor compulsory revisions:

Table 1:
Why were these parameters measured at 10 weeks and not 8 weeks. Since treatment started at 8 weeks, this is the baseline time point and not the 10 weeks

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

Quality of written English: Not suitable for publication unless extensively edited

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I have no conflict of interest