Reviewer's report

Title: Dotted collar placed around carotid artery induces asymmetric neointimal lesion formation in rabbits without intravascular manipulations

Version: 1 Date: 22 June 2012

Reviewer: Alexi Crosby

Reviewer's report:

The authors present here a new model for sheer stress and asymmetric neointimal formation using a dotted collar in the rabbit. The authors show that the dotted collar works as expected. It would be nice to see a bit more detail regarding the effect of the dotted collar such as macrophage/PCNA quantification.

The authors recognise the limitations of this work and propose ways in which this model can be taken forward.

The manuscript is easy to read; however, there are a number of grammatical errors which, if rectified, would lead to further clarity.

I have the following specific comments:
1) Results section, paragraph 3 - do the authors mean figure 2 m-p instead of figure 3?
2) It would be nice to have immuno from human tissue as a comparison.

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 I have no competing interests.