Reviewer's report

Title: A new type of aortic valved stent with good stability and no influence on coronary artery

Version: 1 Date: 7 August 2013

Reviewer: Ashley M. Miller

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Minor Essential Revisions

In the manuscript, in order to test the feasibility, safety and efficacy of a new type of aortic valve stent for the future clinical research, the authors evaluated its characters in animal models and found its good stability and little influence on coronary artery. However, there are some points should be answered by the authors.

1. What are the “new characters” of aortic valve in this study compared with “old” ones?
2. According the text, there is a thin layer of endothelial cells on aortic valved stent after 24 hours surgery, but it is hard to see that from figure 5. Please point it using something like arrow.

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