Reviewer's report

Title: Influence of ischemia before vein grafting on early hyperplasia of the graft and the dynamic changes of the intima after grafting

Version: 2 Date: 1 May 2012

Reviewer: Ozan Emiroglu

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Major Compulsory Revisions

The authors aimed to investigate safe ischemia duration for veins. They have done experiments on rabbit’s juguler veins. With the results, they attempt to find out safe ischemia duration for the saphenous graft used in CABG surgery. The study aim is extremely important. However I have major comments.

1. The authors stated that, when clopidogrel is administered effectively, ischemia up to 90 min does not increase early intimal hyperplasia of the vein graft. As I see, the rabbits in the two group received clopidogrel, so there was no control group to compare this.

2. In methods, why group 1 veins placed in saline for 45 and group 2 for 75 min?

3. The morphological similarity between saphenous vein and internal juguler veins should be discussed.

4. The number of groups are very low.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interest.