Reviewer's report

Title: Impact of Acute Exercise on Brachial Artery Flow-Mediated Dilatation in Young Healthy People

Version: 1 Date: 4 September 2012

Reviewer: ELISABETTA BIANCHINI

Reviewer's report:

Major Compulsory Revisions:

1) Methods, Flow-mediated dilation, page 5: if I have correctly understood, FMD was assessed manually, without a system for the automatic evaluation of brachial diameter. In 2012 this approach results to be anachronistic and this issue should be clearly stated by the authors and seriously taken into consideration both in the limitations section and in the discussion part. In addition, reproducibility data on the manual measurements should be reported in the methods section, in order to understand if they are acceptable.

Minor Revisions:

1) Methods, Flow-mediated dilation, page 5: please provide a picture showing the experimental setup.

Discretionary Revisions

1) Discussion-Endothelial dysfunction and FMD, page 11: I would suggest to shorten and include this part in the Introduction section.

Level of interest: An article of importance in its field

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