Reviewer's report

Title: Can the measurement of brachial artery flow-mediated dilation be applied to the acute exercise model?

Version: 1 Date: 14 October 2007

Reviewer: Attila Pálinkás

Reviewer's report:

General

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Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

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Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

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It is important to note in the review that methodological differences in studies dealing with post-exercise FMD may hamper comparison of data arising from current and future research results. Substantial variability of such data may result from using different cuff pressures, duration of occlusion and different time points (fix 60 second vs. multiple measures) for reading of FMD after cuff deflation or nitrate administration. Standardization of the method of FMD exam itself may further improve quality and comparability of the data gained from such research projects.

What next?: Accept after discretionary revisions

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.