Reviewer’s report

Title: Association between brain-derived neurotrophic factor and von Willebrand factor levels in patients with stable coronary artery disease

Version: 1 Date: 01 Apr 2017

Reviewer: Domenico della Rocca

Reviewer’s report:

In the present manuscript Hong Jin and co-workers investigated the potential predictive value of brain-derived neurotrophic factor (BDNF) as a marker of endothelial dysfunction and cardiovascular events in patients with stable coronary artery disease. They concluded that the presence of low BDNF and high von Willebrand Factor (vWF) levels are predictive of adverse cardiovascular events at 12 months of follow-up. Further risk stratifying patients with coronary artery disease is an extremely important topic and the authors should be congratulated for attempting to further predict cardiovascular risk in this population. The paper is well written and the data presentation is clear. The following remarks are only suggestions as your paper is quite well documented.

1) A more detailed pathophysiological explanation for the association between endothelial dysfunction/atherosclerosis and levels of vWF/BDNF would amend the manuscript.

2) The authors should provide a description of the 18 adverse cardiovascular events during follow-up.

3) Language and style improvement is needed, especially in the introduction section.

4) Please verify abbreviations in the abstract (BDNF).

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

**Quality of written English**

Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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