Reviewer’s report

Title: Hypercoagulability and the risk of recurrence in young women with myocardial infarction or ischaemic stroke: a cohort study

Version: 1 Date: 04 Sep 2018

Reviewer: Reviewer 2

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PEER REVIEWER COMMENTS: To view the full report from the academic peer reviewer, please see the attached file.

REVIEWER COMMENTS FROM REPORT: The authors have followed for a long time (18 years of median) a cohort of women from the RATIO study that have suffered an ischemic stroke or a myocardial infarction, to see if a series of coagulation parameters obtained at baseline were predictors of a second event.

An important limitation is that information on medications during follow-up is not provided. Therefore, it is impossible to know the effect of drugs (ie antiplatelet and/or anticoagulants) in the positive association between hypercoagulability and stroke, as well as in the lack of association between hypercoagulability and myocardial infarction. Furthermore, probably almost all patients were on antiplatelet therapy after MI, but perhaps it was not the same after ischemic stroke.

Also, in Discussion: We think that other risk factors, apart from classical risk factors, could be important in young women, i.e hyperhomocysteinemia. Some discussion on this issue would be pertinent.

REQUESTED REVISIONS:

The paper would look good if information on medications was provided

ADDITIONAL REQUESTS/SUGGESTIONS:

see comments above

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

No
Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

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

No

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.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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