Reviewer’s report

Title: Cytochrome P450 Family 4 Subfamily F Member 2 (CYP4F2) rs1558139, rs2108622 polymorphisms and susceptibility to several cardiovascular and cerebrovascular diseases

Version: 0 Date: 18 Dec 2017

Reviewer: Rita Pavanisini

Reviewer’s report:

This is a complex meta-analysis on the relation of some genetic polymorphism and both cerebrovascular and cardiovascular disease. However, some more details on tables and figures are necessary to better understand the message of the paper. Furthermore, I have some major comments:

- There are several grammatical mistakes.
- There are also some punctuation errors and repetitions of words.
- The introduction is very rough, mainly where authors explain what are cardiovascular and cerebrovascular disease. I suggest to remove it and to better focus the introduction on the role of polymorphisms on CV diseases. For example, define what is SNP, because this is a journal for Cardiologist mainly, so the Reader knows what is cardiovascular diseases, maybe a bit less the genetic behind them.
- What does it mean that "we did not obtain the meta-analysis regarding the role of CYP4F2 rs2108622 in other cardiovascular and cerebrovascular diseases"? Was something already published that was not available to the Author or there is no meta-analysis on this issue? Please amend this sentence.
- Why did Author not include other important word in the search strategy more specific for cardiovascular disease? e.g. "myocardial infarction" "heart failure" and other CV disease? Because the concept of cardiovascular disease is too wide. It is necessary to describe what was the main aim of Authors regarding the concept of CV disease, which were those in particular object of the meta-analysis and accordingly to update the search strategy.
- Which statistical test was used for subgroup analysis?
- What about the quality analysis of the paper?
- How were summarized data?
- Which was the definition of cardio or cerebrovascular disease in each included study? Please add this information in a table.
- Please add the number of patients included for each analysis.

- Please provide a description of the meaning of supplemental online tables. I would probably add a unique supplemental online file with an index and a description of the figures and tables.

- Please add also data regarding comorbidities, cardiovascular risk factors, mean age of the population of each study included and if possible it should be useful to perform a metaregression on these data.

**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.

Yes

**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.

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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