Reviewer’s report

Title: Does all single infarction have lower risk of stroke recurrence than multiple infarctions in minor stroke?

Version: 0 Date: 21 May 2018

Reviewer: Georgios Tsivgoulis

Reviewer's report:

In the present manuscript authors evaluated whether single acute infarctions (SAI) have lower risk of stroke recurrence than multiple acute infarctions (MAIs). After analyzing data from 834 patients with minor stroke authors found that lacunar infarction of SAI, but not non-lacunar SAI infarction, have lower risk of stroke recurrence compared to MAIs. The manuscript is of interest. Some comments for the authors:

1. Authors should provide goodness of fit test results for their multivariable models.

2. Authors should provide the corresponding 95% confidence intervals for all reported stroke recurrence rates.

3. Did all patients receive extracranial-intracranial vessel imaging as standard of care? Could the authors provide percentages of significant (>70%) extracranial or intracranial stenoses found in patients with SAI and MAI? Were patients with significant carotid artery stenosis treated with endarterectomy within the study period?

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:

Acceptable

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