Reviewer's report

Title: Analysis of factors influencing hospital-acquired infection in postoperative patients with intracranial aneurysm

Version: 0 Date: 16 Oct 2019

Reviewer: Min Liu

Reviewer's report:

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The manuscript titled "Analysis of factors influencing hospital-acquired infection in postoperative patients with intracranial aneurysm" retrospectively analyzed the risk factor for HAIs in intracranial aneurysms patients. Upon the results, hyperglycaemic or hypothermia, and indwelling CVC were involved. The manuscript is well-written and the statistic analysis is appropriately performed. However, some issues should be revised before the acceptance.

1. In table 2, X2 test was performed, intra-group composition ratio calculation is recommended to be presented as: infection group, Male 31 (48%), Female (52%); control group, Male (41%), Female (59%).

2. Page 6, line 42, t-test, "t" should be in italic type.

3. In discussion, the strategy of hypothermia therapy should be addressed in details. As differed in timing, target temperature and continuous treatment time are all related to the outcomes. The conclusion that hypothermia is a risk factor is unconvincing. On the other hand, patients who received hypothermia are the most critical ones in the group. The higher infection rate and much worse outcome are reasonable. It could not be used as the basis for drawing conclusions.

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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