Reviewer’s report

Title: Association of Japan Coma Scale score on hospital arrival with in-hospital mortality among trauma patients

Version: 0 Date: 28 Aug 2019

Reviewer: Jiraporn Sri-on

Reviewer's report:

Thank you for the opportunity to review the article entitled "Association of Japan Coma Scale score on hospital arrival with in-hospital mortality among trauma patients.

The study demonstrated Japan Coma Scale score to predict in-hospital mortality. The authors used data from a nationwide trauma registry. The manuscript deals with an interesting topic, however as appears, I have a number of comments that needs to be addressed.

1. In introduction session : Line 89: The aim of the study was not the same as the primary objective, please consider to rephrase.

2. In methods section, participants section; Line 116 : Please add in the exclusion that the study exclude burn injuries and rephase the paragraph in line 116.

Line 135 : The primary outcomes was in-hospital mortality we don't know for the time frame either short term or long term mortality. The secondary outcome should be the only presence of severe TBI or absence of severe TBI, should not be both.

Please consider to add the definition of AIS because the authors used the AIS as a secondary outcomes.

3. In results session: Line 446 The presentation of GCS in the table is a little bit confused. Because when we saw the JCS we can understand well that the higher the number of JCS represented the higher mortality rate. Could it be possible to present the GCS in the same way with JCS? Ex. E 4,3,2,1 , etc.

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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