Reviewer's report

Title: Effects of the blood urea nitrogen to creatinine ratio on haemorrhagic transformation in AIS patients with diabetes mellitus

Version: 2 Date: 07 Feb 2019

Reviewer: Auwal Abdullahi

Reviewer's report:

Please include all comments for the authors in this box rather than uploading your report as an attachment. Please only upload as attachments annotated versions of manuscripts, graphs, supporting materials or other aspects of your report which cannot be included in a text format.

Please overwrite this text when adding your comments to the authors.

Abstract

Conclusion
Page 3
Lines 37-39: Correct the grammar in this sentence: When BUN/Cr<30.71 and the patients have DM, BUN/Cr is positively correlated with HT.

Page 4
Background
Line 3: Please replace 'disease' with condition
Line 12: Remove comma

Line 17: Remove 'in these patients.. They were referred to earlier in the sentence
Lines 17-21: Exploring biomarkers of kidney impairment could be conductive to evaluating cerebral microvascular risk and correlation of stroke complications [5]. The sentence is not clear especially the word 'conductive.' Please a simple word to replace.
Lines 15-25: Merge this with the previous paragraph

Lines 38-40: However, the association between BUN/Cr and the risk of HT in AIS has seldom been reported. What do you mean by seldom ............ If you mean there are few reports, please site those few reports and tell the readers what your own is adding to the literature.
Lines 40-42: Therefore, in this study, we investigated the correlation between BUN/Cr and the risk of HT in AIS patients. You said correlation here, but association in line 38. Please be specific since the analysis for association is different from that of correlation.

Method
Page 5
Line 7: Replace the semicolon with a full stop
Line 11-13: It should be 'Informed consent of the patients was not needed, because the current study was a database-based analysis not experimental research on humans.'

Line 15: remove all the commas
Line 15: add a colon after 'if'

Line 34-36: Correct to this. It should be data you collected the data on stroke severity using NIHSS from the case files.

Result
Table 2 is difficult to read. Please make easy to read and understand. I mean the arrangement of the variables is misleading.

Discussion
Page 8
Lines 6-17: Please remove the values. It is just the summary of the result in sentences that are need. E.g this is correlated with this and so on.
Line 30: add 'be' before attributable

Page 9
Line 1: It should be 'might influence the process of haemorrhage.'

Lines 11-24: You need some references in some of the statements you made here

Lines 27-44: Needs to be merged with the previous paragraph
Line 54: This values, < 30.71 is not needed in the conclusion.

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

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal