Author’s response to reviews

Title: Does the Sex of Acute Stroke Patients Influence the Effectiveness of rt-PA? Experience from the TCD Multicenter Study

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Author’s response to reviews: see over
TIMOTHY SHIPLEY
Executive Editor
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Dear Mr. Shipley,

We appreciate the opportunity to resubmit our article “Does the Sex of Acute Stroke Patients Influence the Effectiveness of rt-PA? Experience from the TCD Multicenter Study” subject to revision and response to the comments raised by the reviewers. All comments by reviewers have been addressed, with corresponding changes made directly to the manuscript where appropriate. Detailed responses to the reviewers are included in a separate document.

We would like also to take this opportunity to express our sincere thanks to the reviewers, Dr. Timothy Kleinig and Dr. Leonard Yeo who identified areas of our manuscript that needs corrections or modifications.

I hope that the revised manuscript is accepted for publication in BMC Neurology.

Sincerely Yours,

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Detailed responses to the reviewers are as follows:

1. Regarding the recruitment beyond CLOTBUST trial at University of Alberta Hospital, we made it more explicit under the Method section.

2. In our study, we used both transcranial ultrasound and clinical measures for outcomes. The ultrasound was used to measure recanalization degree as mentioned. In Kent's meta-analysis subjects, clinical measures were used to compare the outcome among two genders. Kent concluded that women benefits more from IV t-PA but in the end, both had similar outcomes which is in agreement with our conclusion.

3. Regarding consent for incompetent patients, we made it more explicit.