Author’s response to reviews

Title: Dynamic Cerebral Autoregulation Is an Independent Outcome Predictor of Acute Ischemic Stroke after Endovascular Therapy

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Author’s response to reviews:

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Dear Reviewers and Editors,

Thank you very much for your kind suggestions about our manuscript title as “Dynamic Cerebral Autoregulation Is an Independent Outcome Predictor of Acute Ischemic Stroke after Endovascular Therapy”. The paper has been revised according to your comments. Please kindly check them. Thank you for your attention.

Yours sincerely,

Prof Yongming Wu

Reply to the reviewers and editors:
We thank our reviewers for the constructive comments and have revised the text accordingly. All of the corrected places in manuscript had been marked with red font. Please check them, thank you very much.

Reviewers' comments:

Reviewer #1.
1. Its important for the authors to note that after IMS3, most other EVT studies did not use heparin. We have learned from this and In fact in most parts of the world, it is not used anymore. Please include in the limitations that heparin is used as part of the protocol in this study.
Authors: Thanks for your support and kind suggestion. We have add it in “Limitations” section, as “Thirdly, in our study, we used heparin during EVT, which might be the limitation of the protocol. Further relative research is needed.” Please check them in P14.

Please include a table of factors that are associated with abnormal dCA in this patient cohort.
Authors: Thank you for your comments. We performed univariate linear regression analysis between PD and clinical factors to explore the influence of clinical factors associated with abnormal dCA in AIS patients. And it showed that only fast blood glucose on admission was associated with PD on the ipsilateral hemisphere at 24h after symptom onset. Since there is only one factor, we did not include the table in the part of “Table”. However, the finding provides an interesting research field in future. And we respect reviewers’ and editors’ opinions on whether to include the table. Meanwhile, we have included the analysis in the part of "Results": "Univariate linear regression analysis showed that fast blood glucose on admission was associated with PD on the ipsilateral hemisphere at 24h after symptom onset, $\beta=-4.453$, $p = 0.009.$" Please check it in P9.

Reviewer #2.
There is no critique for this version, but the thrombectomy images (Figure 4) are not useful in this study and should be removed.
Authors: Thank you for your suggestion. We respect reviewers’ and editors’ opinions to remove the Figure3, Figure4. Thank you very much!