Reviewer's report

Title: Plasma Metabolomics Study on Chinese Medicine Syndrome Evolution of Heart Failure Rats caused by LAD Ligation

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Reviewer: Zhigang Lu

Reviewer's report:

The manuscript described the research about Plasma Metabonomics Study on Chinese Medicine Syndrome Evolution of Heart Failure Rats Caused by LAD Ligation. But some minor revisions are needed:

1. Page 4th, "The line 5 from the bottom, symbol °C should be corrected. Same problem is page 7th, 8th.

2. In the methods part, Evaluation of Rat Model with MI, Qi Deficiency and Blood Stasis Syndrome was done following the basic phenotypic changes, ECG, echocardiography, colorimetric analysis of images of the auricle, plantar and tongue, and blood studies. Can the author offer the reference standard recognized by academic field? Here the author needs to add some references.

3. In the GC/TOF-MS analysis, amino acid metabolites and the glucose metabolites staff were observed, and performed Correlation Analysis with animal models. In Fig 4, 5 and 6, they show there is significant correlation between the observed amino acid metabolites and the glucose metabolites and different time animal models but, in Fig 7 there is no common region of the 4d, 21d, 45 day. The author should give more explain in the discussion part.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

no