Reviewer's report

Title: Effects of curcumin on glucose metabolism in chronic unpredictable stress model rats' brain regions: A 18F-FDG micro-PET study

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Reviewer: Haibin Dai

Reviewer's report:

In this work, Lin et al. demonstrated that curcumin could improve the abnormalities in the behavioristics and brain glucose metabolism caused by CUS, and indicated that this may be accounted for its antidepressant effects. The results is interesting, but I may have minor comments:
1# What’s the purity of curcumin used in this study?
2# How the curcumin was mixed in rice bran oil? And How to feed them to the rats?
3# Can you explain why the open field test was chosen in this study?
4# In the manuscript, there are so many gramma errors, I recommend the manuscript has a native English speaker checked.

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

Quality of written English: Needs some language corrections before being published

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

Declaration of competing interests:

I have no competing interests