

Review of: "Coupling between Human Brain Cortical Thickness and Glucose Metabolism from Regional to Connective level: a PET/MRI study"

Chen Wang¹

¹ University of Oklahoma

Potential competing interests: No potential competing interests to declare.

In this manuscript, authors aim to discover the relationship between brain cortical thickness and glucose metabolism. Spearman's rank correlation was used to calculate the relationship between FDG and CTh to evaluate the structural and functional coupling. This work is meaningful in neurological and psychiatric research. The results are interesting but there are some issues to be addressed.

1. The numbers of males and females are different in the research. In addition, gender can be an important factor for the research results. It is worthy to be considered in the statistical work.
2. In 'Network Construction', please provide relative parameters of the prior work.
3. The results in Fig. 2 (a-c) look confusing. It is mentioned that the Spearman's rank coefficients were from -0.11 to -0.71. What is the standard to classify Fig 2(a), 2(b) and 2(c)? Are they from different brain regions?
4. In discussion, please provide more information about how the results in this paper work in the diagnosis and treatment of neurological or psychiatric disorders.