

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

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Potential competing interests: No potential competing interests to declare.

I read this interesting article. While the authors did present interesting data, there are major conceptual issues not addressed in the design, results and discussions. This paper addresses the

correlation of structure and function of the brain. However the main concept of cerebral lateralization of functions was not addressed. It would be helpful to correlate structure and function in the dominant hemisphere vs nondominant hemisphere. Since gender determines dominance for cognitive functions of general intelligence, color perception, facial processin etc. Both genders must be analysed separately. The analysis and discussion must take into account issues on motor induced angiogenesis in the contralateral hemisphere. The issue of handedness of the participants is very important.the results should be discusses based on handedness determined with a standard handedness i