Reviewer’s report

Title: A pattern of Cerebral Perfusion Anomalies between Major Depressive Disorder and Hashimoto Thyroiditis

Version: 1 Date: 16 June 2011

Reviewer: Tania Alves

Reviewer’s report:

- Major Compulsory Revisions

Methods
Sample: there are a great age range between subjects. Were data controlled by ageing process? It’s known that ageing process could relate to gray matter loss, and therefore a secondary CBF and metabolism reduction in those same areas. Please comment and contemplate this aspect in discussion.

Design: the classification of life time include remitted subjects. How was it controlled? active MDD subjects versus remitted MDD subjects, as well as severity of symptomatology?

- Minor Essential Revisions

Introduction:
1- please define the abbreviations when first use in the body of the text, Example, first line the authors start with "HT".
2- Second paragraph: I suspect that instead HE it should be written HT.
3- Third paragraph: please state the name of the author and publish date of the selected study. Are there other studies with controversial data?

- Discretionary Revisions

A figure showing main results would be interesting.

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 declare that I have no competing interests