Reviewer's report

Title: Associations between subtypes of depression and different measures of obesity (BMI, WC, WHtR, WHR)

Version: 1 Date: 7 January 2013

Reviewer: Giovanni Viscogliosi

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Major Compulsory Revisions
None

Minor essential revisions
The proportion of elderly subjects as well as the age at onset of depression have not been taken into account. In my opinion it could represent a main limitation since cardio-vascular risk factors are mostly associated with late-onset depression. It would be interesting to assess whether the age at onset would have affected the associations found.

The use of cardio-metabolic medications such as anti-diabetes, anti-platelets, statins... should be taken into account in the multilogistic regression analyses.

The authors considered 140/90 mmHg as the cutoff of hypertension. This value may underestimate the proportion of hypertensives, especially because many young subjects were included. In my opinion, a cutoff value of 130/85 (NCEP-ATP III, 2001 criteria) would be more appropriate.

Why did the authors put "never smokers" and "former smokers" in the same category?

The authors should reflect on the evidence that diabetes leads to sarcopenia, especially in the elderly. This makes BMI less specific in this kind of subjects. Even if the authors included age and diabetes in the multilogistic models, it is impossible to understand the individual impacts of age and diabetes on the associations.

Discretionary revisions
None

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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