Reviewer's report

Title: Serum prolactin concentrations as risk factor of metabolic syndrome or type 2 diabetes?

Version: 1 Date: 10 December 2012

Reviewer: shih-yi Lin

Reviewer's report:

1. Is the question posed by the authors well defined?
The question is well defined.

2. Are the methods appropriate and well described?
The methods is well designed and written.

3. Are the data sound?

4. Does the manuscript adhere to the relevant standards for reporting and data deposition?
The report and data is standardized.

5. Are the discussion and conclusions well balanced and adequately supported by the data?
The discussion is well written.

6. Are limitations of the work clearly stated?
Clearly stated.

7. Do the authors clearly acknowledge any work upon which they are building, both published and unpublished? Yes

8. Do the title and abstract accurately convey what has been found? Yes

9. Is the writing acceptable? The writing is good.

Major Compulsory Revisions

1. It is reported that prolactin level is associated with anti-psychotic agents and schizophrenia. This study did not exclude these patients, and those with endocrine disorders. It would cause bias. Could the authors explain it?

2. The prolactin level is influenced by age and parity. Could the authors provide the stratification of age, further analyze, and provide any information about the parity status of women subjects.

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

Quality of written English: Acceptable
Statistical review: Yes, and I have assessed the statistics in my report.