Reviewer’s report

Title: Delayed beta-cell response and glucose intolerance during dynamic testing in young and normal weight women with Turner syndrome

Version: 1 Date: 18 January 2011

Reviewer: Ieda Verreschi

Reviewer’s report:

The authors examined the beta cell response and glucose intolerance in normal weight women with Turner syndrome. The questions about increased morbidity in the syndrome both type 1 and type 2 diabetes. For this reason the authors looked for the exact beta-cell function and insulin sensitivity on glucose homeostasis in young women with TS and matched controls for BMI and age.

The well designed experiment was done in exact number of patients, according the frequency of TS in the general population. The TS patients were genetically homogeneous and all but one with karyotype 45,X.

*Results are presented in two tables and three figures (ner 2,3 and 4). There are legend for figure one which is missing.

The discussion follows the results and the same occurs with the conclusion.

The title is in accordance with the study

*One more comment is about citation ner 6 at the beginning of the Introduction. It seems it would be another more appropriate study to be cited

In conclusion the writing is acceptable an the data are important enough to be published as soon as possible.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interest’s below.