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: 14 January 2011

Reviewer: Romuald Stupnicki

Reviewer’s report:

The authors undertook an interesting and well defined study. The methods and approaches the authors used seem, generally, appropriate and the results reliable. The manuscript meets the criteria of balancing sections and clarity of data presentation. Yet, considering several comments (listed below) would significantly improve the report.

1. The title seems a bit lengthy – maybe “Delayed β-cell response and glucose intolerance in young women with Turner’s syndrome” would be acceptable?
2. Introduction – first sentence: “Turner’s syndrome (TS) is usually associated ...”; not always, as would seem.
3. Material and Methods – Hyperinsulinemic Euglycemic Clamp: “... samples of hormones were drawn ...”? I think, the authors meant blood.
4. Table 1: fat and muscle mass (kg) seems redundant and may be omitted; relative values (%) are quite sufficient.
5. Replacing SD’s in figures by SE’s would make them more clear and statistically readable.
6. The references are mostly rather old – newer reports may certainly be found.
7. The conclusion at the end of Discussion and in the Summary reflects the finding rather, and not what follows from it. Maybe a causal hypothesis or recommendation instead?
8. The text ought to be thoroughly revised by an expert in English (not necessarily a native speaker) as it contains numerous errors in typography, grammar, spelling, etc. Besides, either British or American standard should be used throughout the text, depending on Editorial preferences; mixing them is improper.

Level of interest: An article of importance in its field

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