Reviewer's report

Title: Abnormal glucose tolerance and insulin resistance in polycystic ovary syndrome amongst the Taiwanese population- not correlated with insulin receptor substrate-1 Gly972Arg/Ala513Pro polymorphism

Version: 1 Date: 19 January 2006

Reviewer: Risto Erkkola

Reviewer's report:

General Manuscript is of interest for groups working on the same field. In a sense, this is a negative result; the polymorphisms you tried to detect, could not be found in your population. You could try PPARgamma2Pro12Ala and PGC-1alphaGly482Ser, instead.

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Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

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Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

Minor revisions needed are: use of abbreviations is not precise: once you give a term in a whole text and then give an abbreviation, stick to the abbreviation. One time the abbreviation NIDDM was given first and the whole text in parenthesis, it should be opposite. HOMA-IR was given a couple of times until the whole text for it was given, AGT was given many times after the abbreviation was defined etc. Is your definition of PCOS supported by any international consensus, if yes, give a reference.

Results: you give some of the results three times: characteristics in the Subjects section, in the Results section and in the Table 1. One time would be sufficient, in the results section they are not needed, Give them in the subject section and refer to Table 1.

Statistics: you write that you were using x2-test. Did you mention Student's t-test which you certainly have used. Correct term is "acanthosis nigricans".

Language polishing is required: abstract 2nd line: "was", should be "are"; 6th line: should be "We also tried."

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Discretionary Revisions (which the author can choose to ignore)

What next?: Accept after minor essential revisions

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

Declaration of competing interests:
I declare that I have no competing interests.