Reviewer’s report

**Title:** Insulin Resistance and its Association with the Components of Metabolic Syndrome among Obese Children and Adolescents.

**Version:** 2  **Date:** 17 February 2010

**Reviewer:** D Thivel

**Reviewer’s report:**

Minor comments

1. I am not a native English speaker and then clearly understand the difficulties of writing in such a language, and I would suggest the authors to make their paper review for a better understanding.

2. In their background, the authors state that many papers have exposed the problem with metabolic syndrome definitions in pediatric population. Many papers have been effectively published about these MS definition difficulties; it would be great to cite at least one of them.

3. In the result section, data are presented in the text without any precision regarding the standard deviations, which would be great to correct. P values are also missing in the result section in the text (“girls exhibited smaller concentration of fasting glucose, total CHO and LDL (p...)”.

4. The authors propose a great discussion with appropriate references however their conclusion (abstract) is too strong. Indeed, they state that “an increased degree of IR increases the incidence of metabolic disorders and the risk of metabolic syndrome in children and adolescents”. Regarding their data analyses it appears to direct to formulate the conclusion in such a way, it would be better to conclude in an association between the IR degree and the MS parameters.