Reviewer's report

Title: Resting heart rate as predictor of metabolic dysfunctions in obese children and adolescents

Version: 2 Date: 18 November 2011

Reviewer: D A Caranti

Reviewer's report:

1. I suggest include a figure to explain the results of ROC curve. Also, I suggest add an appropriated reference in the method section.

A receiver operating characteristic curves (ROC curve) was used to determine a cut-off that suggested the best accuracy of the study variable given as area under the curve (AUC) and 95% confidence interval (CI). An AUC of 1.0 is characteristic of perfect discrimination, whereas an AUC of 0.5 indicates chance discrimination according Esteghamati et al, 2010. I recommend to include the confidence interval.

2. To complete the contribution is necessary include the pubertal stage with a real stages not only the assessments. On the other hand, the pubertal stage with the results and physiological aspects were not mentioned in the discussion. In this way, Tanner stage should be define in the results session with major details.

3. I recommend to insert a minor describe with the Metabolic Syndrome prevalence in Brazilian adolescents according Caranti et al, 2007 and 2010 to know about this condition.

Finally, all together I agree with your important comments.

I accept this manuscript.

Best regards,

Danielle