Reviewer’s report

Title: Physical activity, cardiorespiratory fitness, and metabolic syndrome in adolescents: a cross-sectional study.

Version: 2 Date: 29 June 2011

Reviewer: Carla Moreira

Reviewer’s report:

The authors did a great job in responding to the comments and the manuscript has improved. However, there are some issues that need to be addressed.

Minor Essential Revisions

Abstract, Results
The authors state “inactive adolescents (males, 9%; females, 7.2%)”. In the Figure 1 the values presented are different. Please, clarify.

In both Figures 1 and 2 the p-value should be presented.

Major Compulsory Revisions

This study includes adolescents between 10-17 years. Thus, it is important to examine the pubertal stage when studying differences in metabolic parameters among adolescent populations, particularly those at high risk of developing MetS. During adolescence various metabolic and physiologic changes occur in parameters such as lipid levels. I would suggest to the authors to adjust the logistic regression also to pubertal stage.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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.