Reviewer’s report

Title: Does school-based physical activity decrease overweight and obesity in children aged 6-9 years? A two-year longitudinal study in the Czech Republic

Version: 2 Date: 10 May 2012

Reviewer: Jaromír Šimonek

Reviewer’s report:

The contribution deals with a serious topic - growing overweight and obesity in children in the post-communist countries. In order to cope with this problem, research like the one by Mr. Sigmund et al. are very necessary. The authors used appropriate methods for obtaining serious and valid research data from a sufficient random sample. The statistic methods used are appropriate, too. The results bring new information for researchers as well as school teachers and medical staff. The results can help policy-makers in the area of school P.E. to "dose" the number of P.E. lessons at school in order to contribute to the increase in the number of daily step counts of growing children. Since there are not any principal methodological inadequacies, I recommend to publish the article without any major adjustments.

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 below.