Reviewer’s report

Title: The Association of Sedentary Behaviors and Body Mass Index Classification in a Cross-Sectional Analysis: Are the Effects Homogenous?

Version: 2 Date: 31 August 2011

Reviewer: Maciej Buchowski

Reviewer’s report:

Major Compulsory Revisions
Abstract.
The goal of the study should be clearly stated.
Methods.
Was the PA part of the questionnaire validated?
More information about the questionnaire (PA part) should be provided
It is unclear why time of TV viewing was considered a categorical variable.
Conclusions.
It should concentrate on study finding. As written, is too vague and general.

Minor Essential Revisions
Discussion
Authors should consider shortening paragraph 2 of the “Is time to exercise?” or refocus it to the study findings.

Discretionary Revisions
Introduction
Authors may consider using an abbreviation for physical activity (PA).
It is unclear if moderate PA or moderate exercise was assessed.
Using term “BMI classification” should be reconsidered since it is rather obesity classification using BMI as a criterion.
Since all data collected was self-reported, emphasizing this fact at some instances is not necessary or even misleading.
Results. The results section could be shortened.
Graphs.
1. Some parts are repetitive (e.g. Test of Similarity Effect) and could be omitted.
2. Ethnicity graphs should be combined and “Effect of self-reporting …” should be replaced with “Effect of Ethnicity…”
**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

I declare that I have no competing interests’