Reviewer’s report

Title: Increasing blood pressure and its associated factors in Canadian children and adolescents from Canadian Health Measures Survey

Version: 2 Date: 9 March 2012

Reviewer: Konstantinos Tziomalos

Reviewer’s report:

This is an interesting study on the association between obesity and blood pressure in a large population of children and adolescents in Canada. The effects of physical activity, family history of hypertension and socioeconomic status on blood pressure are also evaluated.

Minor essential revisions

1) The authors should discuss in more detail the apparent paradox of the positive association between family income and SBP in young boys and both SBP and DBP in young girls.

2) The introduction is rather long and should be shortened.

3) There are some typographic errors in the abstract and in the text.

4) Please limit the number of abbreviations in the abstract to the commonly used ones.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests.