Reviewer’s report

Title: Parental smoking and blood pressure in children and adolescents: A national cross-sectional study in China

Version: 0 Date: 14 Dec 2018

Reviewer: Tomasz Zdrojewski

Reviewer's report:

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The topic is extremely important and the aim absolutely appropriate. The paper is clear and well written.

Minor remarks:

The authors state that: "Blood pressure measurements were performed after 10-minute rest" while in the main paper describing methods (reference nr 20) 5 minute period is mentioned.

Description of blood pressure measurements should be more detailed. There is no information on the interval between BP measurements. In the Reference 20. 1-minute interval between the BP measurements is mentioned. It seems to be too short (ESC/ESG and AHA guidelines recommend 2 min)

In the 80. row there is 599.59. It should be 59,959.

Major comment:

The authors wrote that only 482 participants out of 59959 boys and girls reported smoking behaviors.

It is hard to believe that less than 1% of children aged 7-18 y.o. smoke cigarettes in China.

The HBSC results form 2013 show that in many European countries the rate was much higher eg. more than 10% of 15 y.o. children regularly smoked cigarettes.
In China much more adults smoke than in Europe ... so, the rates in children can be expected also higher.

It raises doubts whether the questionnaire in children was performed anonymously.

This is not stated in the manuscript.

If so, the rate of actively smoking children would be much higher and the authors could measure combine effects of passive and active smoking esp. in adolescents.

What was the age structure among those 482 active smokers?

I would suggest a separate analysis for younger and older children (eg. 7-12 and 13-18).

In younger it is much more probable that only the passive smoking effects were analysed.

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

No

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

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I am able to assess the statistics

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