Reviewer's report

Title: Acculturation does not necessarily lead to increased physical activity during leisure time: a cross-sectional study among Turkish migrants in the Netherlands

Version: 1 Date: 7 May 2007

Reviewer: Per Wändell

Reviewer's report:

General
This is an important and interesting study on the association between acculturation and physical activity in Turkish immigrants in the Netherlands.

However, after reading this manuscript some questions arise, especially regarding methods. The manuscript needs clarification and revision regarding those points.

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Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

1. The ages in the original sample were 10-30 years, i.e. some were still children, others were educating, and some had married and settled down. Are all presented with the same questions? With the restricted age group in the actual study still some subjects are below 16 years, i.e. some are classified as “children under the age of 16”.
2. The response rate: have any analysis of non-responders been performed? How are the non-responders distributed in different groups, e.g. age groups?
3. Country of birth is set at Turkey or the Netherlands; however, arriving at the new country in pre-school age may be a factor of importance for acculturation. Are there any data on this, and have this been analyzed?
4. How were the contextual barriers selected?
5. Statistical analyses: the authors stratified the analyses (Table 3) as regards factors of acculturation and contextual barriers. Was this stratification performed due to the results found when entering all factors in a model, i.e. interactions were found, or was this analysis defined in advance? Besides, some non-significant differences were found due to a rather low number of subjects in some sub-groups, however, on an equal or even higher level than the significant findings. This is not commented in the text.
6. The authors have described some of the limitations in the study. When considering the difficulties in the study, the authors should be cautious with their interpretations and conclusions.

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Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

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Discretionary Revisions (which the author can choose to ignore)

What next?: Unable to decide on acceptance or rejection until the authors have responded to the major compulsory revisions

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