Reviewer’s report

Title: The level of leisure time physical activity is associated with work ability- a cross sectional and prospective study of health care workers

Version: 1 Date: 31 January 2013

Reviewer: Seyed Mohammad Alavinia

Reviewer’s report:

major compulsory revision:
In the prospective analysis it is possible to see the changes in WAI as a continuous variable. In fact, in addition of the changes in the level of WAI category, the changes in the WAI (within category) could be calculated.

The authors calculated the prevalence rate (comparing poor/moderate with good/excellent) in different category of physical activity considering sedentary as reference. It is better to calculate RR in each category of WAI considers one category as reference category (for example excellent) and Physical activity as independent variable adjusted for other co-variates.

In the prospective analysis the author should use repeated measurement analysis.
Table 3 is not informative. The role of the WAI category is not clear.

Minor Essential Revision:

The author should consider appropriate abbreviation in the paper. For example using abbreviation in the tables is not usual, or in the first line of the abstract the author has used PA without previously introducing it.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

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

Declaration of competing interests:

I declare that I have no competing interests