Reviewer’s report

Title: Validity of sports watches when estimating energy expenditure during running

Version: 0 Date: 14 Oct 2017

Reviewer: Adam Noah

Reviewer's report:

The manuscript in its current revision is concise and describes a fairly rigorous approach to testing validity of 3 wrist worn activity monitors. Overall, the manuscript is well written and can be accepted in its current form aside from a minor issue. The data collected in the manuscript was collected several years ago and it is noted in the manuscript. This is generally no problem, but I do have one minor technical issue that I would like to see addressed. Around lines 92-93 in the introduction it is suggested that previous generations of wrist work activity monitors did not have accelerometers in them. This is misleading and not necessarily true as the older Nike+ devices as well as the fitbits of the era did implement 6 axis accelerometers. I would like to see this changed to be more reflective of other commercial devices at the time of data collection.

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

Yes

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

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:
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