Reviewer's report

Title: Reproducibility of wrist home blood pressure measurement with position sensor and automatic data storage

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Reviewer: Sekip Altunkan

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Comments

I have examined the study of Uen S et al. titled “Reproducibility of wrist home blood pressure measurement with position sensor and automatic data storage”. The subject matter of the study is contributory to the hypertension field. It is well presented. The number of studies on wrist-measurement monitors that are very popular in the market is quite limited. There is a need to increase the amount of studies in this area. It can be appropriate to use validated electronic monitors and among them, particularly the ones wrist-measurement monitors with position sensors as these are affordable and easy to use. It is important for the authors to underline this aspect. I have identified a few points that need to be corrected and explained in the study. These are specified below:

1. The first sentences of the Discussion and Perspectives sections state that this study is the first one in this field. However, literature examination has shown that wrist-measuring monitor and the ABPM monitor have been compared in a previous study (Eur J Intern Med. 2007;18:2:118-23). It would have been more appropriate to mention this study in comparison with the current study.

2. This study focuses more on a comparison of the methods based on the changes in the “SD” value. However, underlining the “mean” values as well would have been suitable.

3. Page 15, line 8: The word “therefore” should be corrected.

Level of interest: An article whose findings are important to those with closely related research interests

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

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