Reviewer’s report

Title: Investigation of Cardiopulmonary Exercise Testing Using a Dynamic Leg Press and Comparison With a Cycle Ergometer

Version: 1 Date: 05 Dec 2017

Reviewer: Stephen Bailey

Reviewer's report:

This study compared the physiological responses to a ramp incremental test conducted using cycle ergometry and two-legged dynamic leg press exercise in healthy adults. These findings might have value as a method of exercise testing in different populations and will likely be of interested to the readership of this journal. My main concerns are outlined below.

1) Since you performed two dynamic leg press ramp incremental exercise tests, you need to report the reliability for the test for the measurements made. This will help indicate whether the test is reliable and can be used as an alternative to conventional CPET.

2) Describe why the variables were lower in DLP compared to CE.

3) Make clear that further research is required to assess the feasibility of this test in different populations and the clinical relevance of the parameters established in this test.

4) How might body position have influenced your variables between the two conditions?

5) State your experimental hypotheses

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:

Acceptable

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