Reviewer’s report

Title: ASSOCIATION BETWEEN CARDIORESPIRATORY FITNESS AND METABOLIC RISK FACTORS IN A POPULATION WITH MILD TO SEVERE OBESITY

Version: 0 Date: 16 Nov 2017

Reviewer: C.J. Lavie

Reviewer's report:

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This is a well-done study and nicely written manuscript that reviews the impact of cardiorespiratory fitness (CRF) on metabolic risk factors in obesity. I have only minor comments to improve this fine paper:

1. The authors should include the most recent Flegal paper showing that class III or "morbid" obesity now has a prevalence of almost 8% in the US adult population (Flegal KM et al JAMA 2016;315:2284-2291);

2. A recent major paper on fitness versus fatness could be included (McAuley P et al American Journal of Medicine 2016;129:960-965);

3. Recent State of the Art reviews on this topic could be included (Lavie CJ et al Prog Cardiovasc dis 2016;58:537-547 and Oktay AA et al Prog Cardiovasc Dis 2017;60:30-44);

4. A recent paper showing that physical activity that increases heart rate significantly lowers cardiometabolic risk factors, even in those with high sedentary times, could be included (Zisko N et al Prog Cardiovascular Dis 2017;60:89-95).

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
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My only competing interest is that I am the author of the book The Obesity Paradox, and I have published the most in the world on this topic in the past fifteen years.

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