Reviewer's report

Title: Quadriceps force and anterior tibial force occur obviously later than vertical ground reaction force: a simulation study

Version: 0 Date: 22 Aug 2017

Reviewer: Ali Al Kaissi

Reviewer's report:

Fourteen young healthy female subjects performed a single-leg landing task and the results indicated that the quadriceps force generates greater anterior tibial force in the late phase during single-leg landing. From the theoretical point of view the conclusion and results are to certain extent fine for the public.

But, for physicians and readers of the journal, many points need clarification

1. Are all female subjects having similar muscular bulk?

2. Are all of the same weight and height and all showed almost similar anthropometric measurements?

3. Are all having the same strength of ligaments?

4. None of the subjects showed ligamentous hyper-laxity or stiffness?

5. The strength of muscles and ligaments are directly correlated with the bone mass!?

6. Are all subjects showed the same family history? No history of intrinsic bone disorders/ metabolic disease/ hormonal abnormalities/ myogenic abnormalities/ and or medications

7. The overall ranking of the paper is low, unless the above mentioned points are fulfilled
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

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.

Not relevant to this manuscript

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

Acceptable

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