Reviewer’s report

Title: The effect of cyclic knee motion on the elongation of four-strand hamstring autograft in anterior cruciate ligament reconstruction: an in-situ pilot study

Version: 1 Date: 12 Jun 2019

Reviewer: Shayan Hosseinzadeh

Reviewer's report:

Thanks for your submission. This study is well-written and the writing is somewhat acceptable. The study research question, design methods and analysis were suitable and the results supported the conclusions. I have following suggestions to make the manuscript more fluent:

1. Change the "stable cycle" in the abstract and manuscript to "stable level cycle".

2. In Line 61 correct to: has been shown to have significantly...

3. In Line 72 correct to: It's necessary to provide evidence for the best approach of pretention, which also helps in creating new guidelines.

4. In Line 80 correct achieved to achieve

5. In Line 89 correct to: with a sufficient length to make sure that the distal graft protruding the distal tibial tunnel outlet is more than 2.5 cm.

6. In Line 91 correct to: Being done by the same surgeon

7. In Line 91 you already mentioned the 3 first in your Inclusion criteria and you only have the presence of any other ligament injuries as an exclusion criterion.

8. Change measure procedures to measurements in Line 100

9. In Line 133 if you didn't measure the tension you should mention "estimated 20lbs".

10. In Line 135 correct to: was used for tibial fixation.

11. In Line 175 correct to: with a mean of 25+/-6 cycles.

12. In Line 177 correct to: parameters were compared....

13. In Line 194 correct to: similar tendency for the tendon lengthening among different sex groups.

14. In Line 223 correct to: easily produce (omit to).
15. In Line 224 correct to: Therefore, for the endo-button...

16. In Line 238 correct to: constructed elongation.

17. In Line 249 correct to: recommend 25 cycles of intra-operative flexions to be appropriate.

18. In Line 284 correct to: was significantly different....

19. In Line 295 correct to: and the appropriate number of flex/ext cycles in anteromedial portal femoral tunnel positioning technique is still unclear.

20. In Line 305 correct to: by 30 cycles of repeated knee motions.

Kind regards

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:

Needs some language corrections before being published
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