Author’s response to reviews

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

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Shayan Hosseinzadeh (Reviewer 3): 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".
Response: All have been changed.

2. In Line 61 correct to: has been shown to have significantly...
Response: Corrected. (New line 61)
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.

Response: Corrected. (New line 71)

4. In Line 80 correct achieved to achieve

Response: Corrected. (New line 80)

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.

Response: Corrected. (New line 89)

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

Response: Corrected. (New line 91)

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.

Response: The first 3 exclusion criteria have been deleted. (New line 91)

8. Change measure procedures to measurements in Line 100

Response: Corrected. (New line 99)

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

Response: I am sorry for the unclear description. The tension of the graft was modulated by the tensometer (DePuy Mitek Inc, Raynham, MA) which was placed at the end of the graft and held by the surgeon. (Fig 1) This has been added to this part. (New line 132)

10. In Line 135 correct to: was used for tibial fixation.
11. In Line 175 correct to: with a mean of 25+/−6 cycles.
Response: Corrected. (New line 173)

12. In Line 177 correct to: parameters were compared....
Response: Corrected. (New line 175)

13. In Line 194 correct to: similar tendency for the tendon lengthening among different sex groups.
Response: Corrected. (New line 193)

14. In Line 223 correct to: easily produce (omit to).
Response: Corrected. (New line 222)

15. In Line 224 correct to: Therefore, for the endo-button...
Response: Corrected. (New line 223)

16. In Line 238 correct to: constructed elongation.
Response: Corrected. (New line 237)

17. In Line 249 correct to: recommend 25 cycles of intra-operative flexions to be appropriate.
Response: Corrected. (New line 248)
18. In Line 284 correct to: was significantly different....
Response: Corrected. (New line 283)

19. In Line 295 correct to: and the appropriate number of flex/ext cycles in anteromedial portal femoral tunnel positioning technique is still unclear.
Response: Corrected. (New line 294)

20. In Line 305 correct to: by 30 cycles of repeated knee motions.
Response: Corrected. (New line 305)