Reviewer's report

Title: Open subpectoral biceps tenodesis in patients over 65 does not result in an increased rate of complications

Version: 0 Date: 30 Jun 2017

Reviewer: Shital Parikh

Reviewer’s report:

I would like to congratulate the authors for a well-done study and a well written manuscript. Its an important subject. I have following recommendations to improve the manuscript

1. line 106-108: contraindications for tenodesis are listed. how were obesity and osteoporosis defined. what was the approach in patients who could not undergo subpectoral tenodesis due to presence of contraindication

   line 135-136: are these complications tenodesis related?

2. line 146-147: I would recommend a table for tenodesis related complications in both group, how were complications treated and did they resolve or require further surgery? since this is a complication related paper, readers would benefit from reading more about tenodesis-related complications and its management.

3. in the control group, 38 patients had persistent pain and 12 had various complications. the authors exclude these complications when comparing complication rate. authors need to explain why none of these could be tenodesis related?

4. lines 172-173: are the authors discussing morbidity from tenotomy or tenodesis

5. lines 230-232: delete these lines. the authors cannot conclude from current study that tenodesis is better than other forms of treatment / tenotomy. they can only comment that tenodesis has an acceptable complication rate and functional results in >65. so it is an alternative.

6. having a single surgeon is a strength but has the technique changed over years? Readers would benefit from a brief description of surgical technique, implant used for fixation and rehabilitation, in 'methods' section.

7. how much time does tenodesis add to surgery? do the authors use fluoroscopy during tenodesis?

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.

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.

I am able to assess the statistics

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Please indicate the quality of language in the manuscript:

Acceptable

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