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Title: In-Vivo Measurement of Glenohumeral Joint Contact Patterns after Rotator Cuff Repair

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Clinical Biomechanics

Manuscript reviewed by:

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The manuscript submitted in Clinical Biomechanics has some important aspects investigated. However, the manuscript cannot be accepted in its present form, as it has serious drawbacks in content, style and language. Specific comments are listed below:

Content:

Page 2, Line 17: the study failed to detect significant differences between the repaired and the contralateral shoulders (vague statement, specify confidence level)

Page 3, Line 24: We hypothesized that joint contact patterns would be significantly different between the between the repaired and contralateral shoulders (state null hypothesis, alternative hypothesis and confidence levels)

Page 4, Line 11: Need picture of biplane x-ray system

Page 5, Line 14: feature-based interpolation technique – insert reference or explain in appendix

Page 6, Line 4: standardized anatomical coordinate systems – insert short description in appendix

Page 6, Lines 14-15: Translations for the glenohumeral joint were expressed relation to the scapula (is it singular? If so, which scapula (right/left)? If plural, then write scapulae)

Style:

The manuscript should have statement of problem and study design, giving statistical rationale for the choice of sample size 13 males and 7 females

Language:

The language needs to be corrected at many places. Some examples are given here:

Page 2, Line 4: Although many patients – change to: Although, many patients

Page 2, Line 5: if rotator cuff surgery actually restores – change to: if rotator cuff surgery, actually, restores

Page 3, Line 7: While it is common – change to: While, it is common

Page 3, Line 12: i.e., – change to: i. e., (space after period)

Page 3, Line 15: e.g., – change to: e. g., (space after period)

Page 3, Line 24: We hypothesized that joint contact patterns would be significantly different between the between the repaired and contralateral shoulders – change to: We hypothesized that joint-contact patterns would be, significantly, different between the between the repaired and the contra-lateral shoulders

Page 6, Line 11: using a standard Euler angle sequence – change to: using a standard Euler-angle sequence

Page 6, Line 11:

References:

Listing of the references does not conform to linguistic standards.

At the end of reference full stop should be avoided, e. g., Page 18, Line 2, Abboud, J. A. and Soslowsky, L. J. (2002) *Clin Orthop*, 48-57. The full stop after 57 should be deleted.

All references should be corrected, accordingly.

Recommendation:

Revise and resubmit