Reviewer's report

Title: Clinical Descriptive Measures of Shoulder Range of Motion for a Healthy, Young and Physically Active Cohort

Version: 1 Date: 1 November 2011

Reviewer number: 1

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This paper is fairly good in terms of the method of measurement, presentation of the results, and discussion on the advantage and disadvantage of the current study. However, there are still important issues that should be revised.

1. Major Compulsory Revision:
The authors described about "glenohumeral joint" motion, but apparently the motion they measured is a total shoulder motion, i.e., the sum of glenohumeral and scapulothoracic motions. So, please use the simple term "shoulder motion" instead of "glenohumeral joint" motion.

2. Major Compulsory Revision:
The authors showed statistically significant differences between men and women, or between dominant and non-dominant arms. However, even the difference of one degree can be statistically significant with a sufficiently great number of samples. Please clarify how much difference is clinically significant. If the difference of more than five degrees is supposed to be clinically significant, all the differences shown to be significant in the current study are not significant at all.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.