Reviewer's report

**Title:** Objective Assessment of shoulder mobility with a new 3D gyroscope. A validation study

**Version:** 2  **Date:** 24 June 2011

**Reviewer:** Arturo Vega-Gonzalez

**Reviewer's report:**

Title: “Objective Assessment of shoulder mobility with a new 3D gyroscope – a validation study ”

Re-review

Authors have answered the questions. However I still have some minor comments.

**Minor Essential Revisions**

It would be good to state the reason the authors chose linear regression to validate the data.

Regarding the differences for small ROM and large ROM. I do understand that the Central Limit theorem is the foundation for many statistical procedures, because the distribution of the phenomenon under study does not have to be Normal because its average will be. I know 400 samples might be enough, but the paper does not mention if a normality test and/or variance test was performed. It would be good to state the variables comply with the assumptions of the test due to the result of such normality test.

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

**Quality of written English:** Needs some language corrections before being published

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

**Declaration of competing interests:**

I declare that I have no competing interests