Reviewer’s report

**Title:** Pain does not influence the proprioception and the motor behavior in subjects with mild and moderate knee osteoarthritis

**Version:** 2  **Date:** 29 August 2014

**Reviewer:** Giorgio Ferriero

**Reviewer’s report:**

I’ve read this paper with sincere interest. Topic is intriguing, because many papers describe the effect of arthrosis on motor pattern, but none has ever assessed it in the specific task as climbing stairs.

However, I would suggest to make some changes to the text to increase its readability.

**Major Compulsory Revisions**

Title, abstract and conclusions state that pain does not influence motor behavior in OA. But, results show that GL pattern is changed. Authors try to justify this results, but none can say that in these patients pain have not influence.

I suggest to address the aims to the thigh, not the whole limb, or to be less curt in the results interpretation.

In abstract please state the proprioception has been measured by an electogoniometer.

It is also unclear if the OA was bilateral or not, and which side has been assessed (both? most painful? other?)

In the limitation section, please add also the little sample (since OA is a frequent disease)

**Minor Essential Revisions**

In the methods, please remove "The study was disclosed in television news"

Page 7, line 174: please correct "your"

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

I declare that I have no competing interests