Reviewer's report

**Title:** Placement-induced Effects on High Tibial Osteotomized Construct - Biomechanical Tests and Finite-element Analyses

**Version:** 1  **Date:** 19 March 2015

**Reviewer:** Götz GR Röderer

**Reviewer's report:**

Minor Essential Revisions:
- How was the open wedge osteotomy exactly performed, i.e. height of base wedge, length of lateral hinge? Was there an osteotomy of the tuberosity tibiae? If so, was it ascending or descending? Please add comment within manuscript and adapt figure 2a.

- Regarding cracking of lateral hinge: In clinics the use of a conventional bicortical screw as a first screw in the distal fragment is wide-spread in order to stabilize the lateral hinge (some authors replace it by a locking screw by the end of the procedure). To my understanding such as a scew was not used in the study. Do the authors see a potential influence on their results by the fact that such a scew was not inserted? Please commet in the Discussion Section.

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

**Quality of written English:** Acceptable

**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.