Reviewer’s report

Title: Torsional stability of interference screws derived from bovine bone - a biomechanical study

Version: 6 Date: 19 March 2010

Reviewer: Jon Olav Drogset

Reviewer’s report:

Dear authors.

The corrections made in the revised manuscript are very clarifying and have improved the quality of the manuscript a lot.

Some comments:

"Every year, about 35,000 ACL ruptures occur in Germany, of which about 28,000 (80 %) are treated surgically [2].# This is a very high percentage. Too high?

"It was demonstrated for the BC screws, that a larger screw diameter significantly leads to higher torsional stability (p = 9.779e-05). "

p = 9.779e-05? unclear!

"The reconstruction of the ACL belongs to the therapies of choice for the active patient and is one of the most common surgical interventions for knee ligament reconstruction [3]. "

Suggest: and is one of most common ligament reconstructions in the knee

The introduction should also include information about legislation and religious views on the use of xenografts in humans.

"It could be shown that a larger screw diameter significantly corresponds with an increasing torsional stability(p = 9.779e-05)."

Change to: A larger screw diameter significantly corresponded with an increasing torsional stability (p = 9.779).

Conclusion:

"We noticed that a larger screw diameter significantly leads to higher torsion stability."
Change to:
A larger screw diameter significantly lead to higher torsion stability.

The figures and tables occur twice in the manuscript.

**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:** Yes, but I do not feel adequately qualified to assess the statistics.