Reviewer's report

Title: The biomechanical differences of rotational acetabular osteotomy, chiari osteotomy and shelf procedure in developmental dysplasia of hip

Version: 1 Date: 15 November 2013

Reviewer: Masahiko Nozawa

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Reviewer's comments

This article may be interesting for readers who have performed pelvic osteotomy for DDH patients. However the method to evaluate the excessive lord to the femoral head after shelf operation, RAO and Chiari osteotomy was primitive and incorrect.

1) Page 7, line 4 to 6: The method to make dysplastic hip with use of chisel must be described in detail. Readers could not understand.

2) Page 7, line 13 to 15: The width of bone fragment was too narrow to show real function of shelf operation.

3) Page 7, line 15-20: Movement of osteotomized bone by just only 1cm could not function really.

4) CE angles should be clarified in every steps.

Major compulsory revisions have to be done in accordance with all comments above.

Level of interest: An article of limited interest

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.