Comment on Zhang et al.: Modified posterior soft tissue repair for the prevention of early postoperative dislocation in total hip arthroplasty

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Received: 24 April 2013 / Accepted: 16 June 2013 / Published online: 3 July 2013
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Dear Editor,

The authors of the article in question [1] have made a good description of a modified posterior soft tissue repair for the prevention of early postoperative dislocation in total hip arthroplasty. Results showed no postoperative dislocation following primary THA in 220 cases, and no signs of complications related to the technique, such as greater trochanteric fractures and sciatic nerve palsy.

There are two queries which we would like to communicate with the authors.

1. In the surgery technique section and Fig. 2 of the article, a suture anchor was inserted into the lateral part of the greater trochanter and two small holes were made nearby using a 2.3-mm drill bit. All sutures from the anchor screw were taken through the two small holes. This means that the role of the anchor system was just to provide some sutures. If the anchor was not used, for example, normal sutures through holes in the greater trochanter were applied, the soft tissue repair will become more effective and efficient.
2. The acetabular component position is very important in total hip arthroplasty. As we know, malposition of acetabular cups often leads to increased rates of dislocation

[2]. The authors reported that same prostheses were used, and all stems and cups were uncemented. However, the details of anteversion and inclination of acetabular components were not mentioned in other parts of the article. So, we would like to enquire about the acetabular component orientation in this study.

We appreciate this technical study, although it is not a randomised clinical trial. A control group may need to be established in future studies. High quality RCTs are needed to draw accurate conclusions.

References

1. Zhang Y, Tang Y, Zhang C et al (2013) Modified posterior soft tissue repair for the prevention of early postoperative dislocation in total hip arthroplasty. *Int Orthop* 37(6):1039–1044
2. Daines BK, Dennis DA (2012) The importance of acetabular component position in total hip arthroplasty. *Orthop Clin N Am* 43(5):e23–e34

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