

# Summary of research proposal LROI



**Title:**

Effect of femoral head size and surgical approach on risk of revision for dislocation after total hip arthroplasty

**Authors:**

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**Abstract:**

The Dutch Arthroplasty Register has recorded a shift in femoral head size used for primary total hip arthroplasty: less 28mm heads are implanted, and more 32 and 36mm heads. Surgical approaches have changed too: less direct lateral and anterolateral approaches, and more posterolateral and direct anterior approaches were employed. Larger femoral head sizes have been associated with reduced risk of (revision for) dislocation. It is unknown whether surgical approach or head size more strongly influences risk of dislocation. We hypothesize that femoral head size more strongly influences risk of revision for dislocation than surgical approach, in terms of hazard ratio.

**Approval date**

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