

Summary of research proposal LROI



Title:

Outcomes of the direct superior approach (DSA) in total hip arthroplasty – early nationwide results based on the LROI.

Authors:

WP Zijlstra, S Bolder, H Ettema, W Schreurs

Abstract:

Discussion remains regarding the optimal surgical approach for THA, and specific risks and benefits of each approach. Increasing numbers of surgeons have adopted the anterior surgical approach, whereas straight lateral and anterolateral approaches have diminished. The posterolateral approach has remained fairly stable.

The posterolateral approach is associated with more dislocation revisions, but less other revisions (Zijlstra et al. 2017). Anterior and posterolateral approaches showed more improvement over other approaches, regarding patient reported outcome measures (PROMs) (Peters et al. 2018).

Attempting to reduce the dislocation risk and enhance early recovery, posterolaterally trained surgeons have adopted the direct superior approach (DSA). Case series suggest DSA may reduce the risk for dislocation and enhance early recovery; contrary to the anterior approach, the learning curve seems short and safe (Duijnisveld et al. 2020, Ezzibdeh et al. 2020).

The outcomes of the DSA based on arthroplasty registries have not been investigated.

Therefore, we aim to examine the nationwide outcomes of the direct superior approach, based on data in the LROI. Specifically, we aim to describe patient and procedure characteristics, risk of revision, and patient reported outcomes measures. Results will be compared to those of the posterolateral, and the anterior approach.

Approval date: June 2021