

Summary of research proposal LROI



Title:

Reason for (repeat) revision total knee arthroplasty: a Dutch Arthroplasty Registry study

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Abstract:

The number of revision total knee arthroplasties (TKA) is increasing (1). As a consequence, this will increase the probability for the need of a repeat revision TKA. Various studies suggest that functional and clinical outcomes after revision TKA vary with the reason for revision (2,3). However, it is unknown if the reason for revision is associated with failure of the surgery in terms of number of repeat revision. It is also unknown if the reason for repeat revision TKA is also the same as reason for the first revision, and thereby is caused by a persistent, underlying problem. Therefore, this study aims to investigate if the outcome survival of revision TKA differs for different reasons for revision. Secondary, we aim to evaluate if the reason for repeat revision TKA is the same as the reason for the first revision. We hypothesize that failure rates vary with reason for revision, and that the reason for first revision TKA is most often also the reason for repeat revision TKA. This study will contribute to improved outcome expectations for patients and clinicians, dependent of the indication for revision TKA.

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