

Summary of research proposal LROI



Title:

Cemented versus uncemented medial unicompartmental knee arthroplasty

Authors:

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Abstract:

Unicompartmental knee arthroplasty (UKA) is an alternative to total knee arthroplasty (TKA) in patients with isolated knee osteoarthritis. Several advantages are reported for UKA over TKA, such as improved patient-reported outcomes and range of motion, faster recovery, fewer complications and bone preservation. However, all national registries have shown higher revision rates after UKA compared to TKA. The main reason for revision after medial UKA with cemented components is fixation failure. A much-debated question is whether medial UKA with uncemented components is a more effective procedure by reducing the incidence of fixation failure; and consequently, lower the revision rate of medial UKA. To date, the literature on the choice for uncemented or cemented medial UKA is lacking. Therefore, the aim is to compare survivorship of cemented and uncemented medial UKA after adjusting for potential confounders; and to evaluate the modes of failures between the two versions, using data of the Dutch joint registry.

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