

Summary of research proposal LROI



Title:

Mortality and prosthesis survival after total hip replacement in patients 80 years of age and older

Authors:

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Abstract:

Total hip replacement is increasing in the (aging) population in the Netherlands as it is the most effective treatment of incapacitating osteoarthritis in elderly patients. Complications in hip surgery are more common in the elderly and revision surgery is associated with greater surgical morbidity and mortality than in the younger age group.

According to data from different joint registries (Australia, Finland, UK) mortality is more dependant on other patient characteristics than age only, while revision surgery during the first year was associated with uncemented prosthesis fixation. This knowledge – if confirmed for the Netherlands - could be helpful in daily practice for counselling, shared decision making and patient safety in the elderly.

We investigate which patient and implant related factors determine the mortality and prosthesis survival rate in primary and revision total hip arthroplasty for osteoarthritis in patients 80 years of age and older in the Netherlands with data from the LROI.

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