Summary of research proposal LROI

LROI

Title:

Early and late postoperative mortality in patients with primary cemented, cementless and hybrid total

knee arthroplasty: a register study using the Dutch Arthroplasty Register (2007-2019)

Authors:

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Abstract:

Postoperative mortality (30 and 90 days) is commonly reported after total knee arthroplasty (TKA) as outcome measurement. Mortality may be influenced by anaesthetic technique, patient characteristics, surgical procedure, and prosthetic implant. In total hip arthroplasty (THA), cemented fixation increases early postoperative mortality compared to cementless fixation due to cardiovascular events caused by the

process of cementation. Until now, the influence of fixation method on early and late postoperative

mortality in patients with TKA has not been investigated.

The aim of this present study will be to determine the effect of fixation method on early and late postoperative mortality in patients who underwent primary TKA. Therefore, we will determine the 30 and 90 days, 1-year and 5-year mortality rate according to fixation by using survival analysis.

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