

Summary of research proposal LROI



Title:

Arthrofibrosis as reason for revision after total or unicompartmental knee arthroplasty: an analysis from the Dutch Arthroplasty Registry (2014-2022)

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Abstract:

Arthrofibrosis is a common complication that can occur after total or unicompartmental knee arthroplasty (TKA, PFA, UKA) and could severely impact mobility and quality of life. Therefore, this could be a reason for revision, most commonly manipulation under anesthesia (MUA). However, there is considerable variation in different hospitals in the Netherlands in the number of revisions caused by arthrofibrosis and the protocols used during revision. Since it is not known what is causing this variation, this study aims to investigate arthrofibrosis as reason for revision after TKA and UKA in two ways. On a national level, we will investigate the proportion of these knee revision arthroplasties caused by arthrofibrosis and the characteristics of the population (gender, age, BMI, and type of knee arthroplasty).

Data from the Dutch Arthroplasty Registry (LROI) is examined regarding differences in patient characteristics between patients that underwent TKA or UKA revision arthroplasty for arthrofibrosis in the Netherlands between 2014 and 2022.

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