

Summary of research proposal LROI



Title:

Nationwide review of ankle arthroplasty: Survival and reasons for revision of total ankle arthroplasty in the Netherlands: a Dutch Implant Registry study

Authors:

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Abstract:

Total ankle arthroplasty (TAA) is increasingly used as a treatment modality to treat ankle arthritis. TAA is suggested to be effective in reduction of pain and mobility. The first reported TAA scientific publication in the Netherlands was in 2006 of 19 LCS ankle replacements placed between 1988 and 1992. TAA has recently been included in the LROI registration system. Since TAA was only recently introduced in the LROI, no previous research of the Dutch TAA data has been performed. Of primary interest are the percentages of patients needing re-operations and revisions in the first two post-operative years. The primary aim is to evaluate the cumulative incidence of revision and reasons for revision of total ankle replacement since the introduction of the LROI. The NICE-guideline for hip replacement determined that new prostheses achieve the 'entry benchmark' for new prostheses when they have a minimum of 3 years revision rate experience and if the performance is consistent with the benchmark of 10% revision rate at 10 years. So are these NICE guidelines also applicable to TAA or need these to be adjusted to LROI data? The secondary aim of this study is to assess what patient characteristics are associated with revision of the TAA.

Approval date:

October 2018