

Summary of research proposal LROI



Title:

Single shot versus multiple shot antibiotic prophylaxis in primary joint arthroplasty of the hip and knee.

Authors:

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Abstract:

A retrospective study will be performed to compare the incidence of revision procedures performed for the treatment of postoperative periprosthetic joint infection (PJI) between patients treated with a single preoperative antibiotic prophylaxis and patients treated with multiple shot antibiotic prophylaxis following primary arthroplasty of hip or knee.

This study will be conducted in two phases. In phase 1 we will evaluate which antibiotic prophylaxes (type of antibiotic and duration of prophylaxis) are regularly used in the Netherlands, by contacting all orthopaedic centres implanting total hip and total knee prostheses. In phase 2 we will compare infection rate (defined as revision for infection as registered in the LROI database) between a single-shot and multiple shot antibiotic prophylaxis.

Approval date:

April 2016