

Summary of research proposal LROI



Title:

Arthroplasty in multiple joints: cumulative incidence, sequences, time-intervals, patient characteristics and postoperative outcomes in patients with osteoarthritis of the knee or hip

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Abstract:

Many patients suffer from osteoarthritis (OA) in multiple joints, possibly resulting in multiple total joint arthroplasties (MJA). Studies regarding the frequency and impact of multiple joint involvement in OA are scarce and are regularly overlooked components of the burden of OA. Furthermore, patients with MJA are often excluded from trials, which could result in underestimated patient-reported outcomes (PROs), as postoperative questionnaires might be affected by other affected joints, while monitoring the rehabilitation process of the initially included total joint arthroplasty (TJA).

Currently, implant registries are primarily set up around individual prostheses instead of around the patient. Following one joint in a register, instead of the patient as a whole could influence the quality and interpretability of the outcomes.

Therefore, we aim to determine the cumulative incidence of MJA in hip and knee joints, to describe the different MJA-sequences (joint and side of index TJA and following TJA) and calculate time-intervals (time between index TJA and subsequent TJA) in patients with MJA. Secondly, we aim to evaluate patient characteristics and PROs of patients with a single hip or knee arthroplasty and patients with MJA.

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