

Summary of research proposal LROI

Title:

Defining Minimally Clinically Important Differences and Patient-Acceptable States for Satisfaction in the Netherlands



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Abstract:

Patient-reported outcome measures were developed to assist in quantifying the outcome of an intervention, and in predicting whether or not a procedure will yield a satisfactory outcome. In the current literature on joint arthroplasty, the analytical approaches and outcomes of such models vary greatly and preclude meaningful synergisms, international translation, and ultimately implementation into clinical practice. Within the Dutch Society of Orthopedics, the PROM-focus group has advised to research clinical important thresholds for PROMs.

To this end, we here propose a study in ~44,000 patients (17k Knee, 29k Hip) to determine the MCID and PASS-scores for treatment outcome using the Oxford Knee/Hip Scores and WOMAC. Treatment outcomes are defined by anchors function (hip and knee), pain (knee) and satisfaction (knee). For the first time in an appropriately powered study, we will stratify MCID and PASS-scores by baseline scores, and will assess if pre-operative variables other than the respective PROM-score are predictors of achieving these thresholds.

This data will establish a nation-wide reference for determining quality of care on a population and individual level. Ultimately, this data will serve to develop models that predict the likelihood for patient satisfaction, based on pre-operative symptoms and expected improvements.

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