

Top Ten Research Priorities for Problematic Knee Arthroplasty

Mathews et al. (2020)

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For which topic were research priorities identified?

knee arthroplasty

In which location was the research priority setting conducted?

Europe - United Kingdom

Why was it conducted at all?

More than 6,000 revision knee arthroplasties are performed in the UK each year, for which appropriate patient selection and planning are essential. For some situations, there is a lack of high-quality evidence, such as well-designed trials, regarding the assessment, management, and rehabilitation of these patients. This can leave patients, carers, and clinicians faced with uncertainties about the best way to move forward.

What was the objective?

to identify unanswered questions about the assessment, management, or rehabilitation of patients with problematic knee arthroplasties, from patient and clinical perspectives, and then to reach a consensus about the top ten research priorities

What was the outcome?

a ranking list of 10 research questions

How long did the research prioritization take?

April 2018 - July 2019

Which methods were used to identify research priorities?

JLA method

How were the priorities for research identified exactly?

Step 1: setting up PSP: establishing steering group, recruiting partner organizations, agreeing on protocol. Step 2: collecting research questions: survey: participants asked to submit their research questions, 769 uncertainties submitted. Step 3: data processing: out of scope removed, similar questions merged, resulting in 32 summary questions, check against evidence, no question deemed fully answered. Step 4: interim ranking: survey: list of 32 summary questions, participants asked to rank their top ten from the longlist of questions, resulting in shortlist of 25 questions. Step 5: workshop: final prioritization: using the nominal group technique, participants were asked to rank all shortlisted questions before workshop, during workshop: small group discussions and small group rankings, plenary discussions and plenary rankings

Which stakeholders took part?

Patients, carers/spouses, healthcare professionals. Survey: 267 participants: 137 patients, 18 carers/spouses, 112 healthcare professionals. Interim ranking: 201 participants: 100 participants who had personal experience of problematic knee arthroplasty as a patient, carer, or spouse, 118 professional respondents. Workshop: 24 participants: 12 patients/ carers, 12 healthcare professionals.

How were stakeholders recruited?

No information provided.

Were stakeholders actively involved or did they just participate?

Stakeholders not only participated but were also actively involved in the research prioritization process: They were part of a steering group. The steering group consisted of 22 members: patients, surgeons, anesthetists, nurses, physiotherapists and researchers.