

HipHOP Study

Feasibility study for a comparative trial of hybrid or cemented implants for total hip replacement.

Hip arthroplasty with Hybrid Or cemented implants: Patient reported outcomes

Lay summary of results:

Hip replacement is a common operation, but patients vary in how well their hip works after surgery. The type of hip implant used may affect how successful the surgery is, but there is no clear evidence on which type of implant leads to the best outcomes for patients. We have undertaken a feasibility study to see if it would be possible to run a full randomised trial to answer this important question.

Our patient and public involvement (PPI) group helped design the study and also helped write the patient facing documents.

Just over 60% of patients who were eligible agreed to take part. Forty patients were randomised to receive either a 'cemented' or 'hybrid' type of hip replacement. We tracked their progress using questionnaires to record how well the hip was working and the effect on their quality of life. We also spoke to patients, research staff and surgeons to understand their feelings about the trial to help make the full trial run smoothly.

All patients who had surgery completed the questionnaires, which demonstrated how their hips had improved. We were also able to calculate the costs associated with each type of treatment.

It seems that the 'hybrid' type of hip replacement might produce better function but also cost slightly more.

Some patients were uncertain about treatment being decided by chance, but many were reassured by both implant types having good track records. Surgeons were keen that patients have treatments that they thought would work well for them.

The results we now have will enable us to design a robust full randomised trial. We haven't yet presented or published our results but will again be working with our PPI group to assist with this. We plan to ask the NHS (HTA) to fund the next stage of this research.