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| Intervention | **154. Hip arthroplasty (choice of implant)** |
| For the treatment of | Any indication for total hip replacement e.g. degenerative hip disease or fracture |
| Commissioning Position | This intervention is commissioned if the choice of implant is as follows:  Patients aged 70 and over:   * metal head and a cemented stem * acetabular fixation can be cemented (Fully cemented THR) OR uncemented (Hybrid THR), bearing in mind that a cemented socket is considerably cheaper * alternative (uncemented) femoral fixation may be selected in patients with anatomical irregularity, at the discretion of the operating surgeon.   Patients aged under 70:   * ceramic head and highly cross-linked polyethylene liner/cup * ceramic liners may be used for patients aged <50yrs, due to lower wear rates, at the discretion of the operating surgeon.   In all cases, the implant chosen should have a revision rate (with reference to e.g. National Joint Registry or ODEP) of 5% or less at 10 years.  Providers should be able to demonstrate from internal audit that a minimum 80% patients aged 70+ had cemented/hybrid hips replacement. |
| Evidence/Summary of Rationale | The cost effectiveness of different implants varies across age groups because revision rates depend on a patient’s age at primary surgery. More expensive implants can be more cost effective in younger patients. Anatomical irregularity may justify uncemented femoral fixation.  Ceramic heads and highly cross-linked polyethylene liners/cup have the lowest rate of revision for all fixation constructs.  Beside the additional cost, revision surgery is more complicated than primary surgery. |
| Clinical Reference Documents | [TA304 Total hip replacement and resurfacing arthroplasty for end-stage arthritis of the hip (NICE)](https://www.nice.org.uk/guidance/ta304/chapter/1-Recommendations)  [Best Practice for Hip Arthroplasty Surgery Documentation (BOA)](https://www.boa.ac.uk/resource/best-practice-hip-arthroplasty.html)  [ODEP is the Orthopaedic Data Evaluation Panel](https://www.odep.org.uk/)  [The National Joint Registry - Working for patients, committed to excellence.](https://www.njrcentre.org.uk/)  [GIRFT Orthopaedics: Total hip replacement](https://www.gettingitrightfirsttime.co.uk/wp-content/uploads/2020/11/Ortho4.pdf) |
| Effective from | ??? 2025 |
| Policy Review Date | ??? 2028 |