

**Procedure that requires prior approval**

**Thames Valley Priorities Committee Commissioning Policy Statement**

**Policy No. TVPC55**                      **Primary hip and knee replacement revision surgery**

**Recommendation made by the Priorities Committee:**      March 2017 / Updated January 2019

**Date of issue:**                              **March 2018 / Updated May 2019**

As per NHS England Service Specification (2013)<sup>1</sup>, specialised orthopaedic services should be provided by appropriately trained multi-disciplinary teams (MDTs) at a specialist centre or hub provider to ensure that the right clinical skills and expertise are in place for providing excellent patient outcomes

Hip and knee revision surgery can be carried out by local Specialist Orthopaedic Units, with the required expertise. Patients requiring specialist procedures for massive bone defects, pelvic fractures, recurrent infection after a previous 2-stage revision for infection, or complex segmental femoral reconstruction should be referred to a Specialist Orthopaedic Centre.

**General referral guidance for joint replacement revision surgery:**

NHS funding for referral and assessment for revision of hip or knee joint replacement surgery should be recommended in patients in whom the following criteria are met:

1. Periprosthetic fracture, where the prosthesis is loose, or where revision is likely to yield superior clinical outcome to fixation of the fracture with retention of the prosthesis, OR
2. The presence of deep infection in the replaced joint, OR
3. Where infection is not suspected:
  - Aseptic loosening: The patient has persistent joint pain and/or loss of range of movement and function AND imaging confirms the presence of aseptic loosening of the prosthesis OR
  - Bearing surface-related complications: There is evidence of polyethylene wear or periarticular osteolysis or adverse soft tissue reaction to particulate debris or the patient has a metal on metal hip replacement (regardless of metal ion levels or imaging findings), or ceramic bearing complications such as squeaking or ceramic fracture OR

<sup>1</sup>NHS Standard contract for specialised orthopaedics (adult) Schedule 2 The Services A. Service Specifications <https://www.england.nhs.uk/wp-content/uploads/2013/06/d10-spec-orthopaedics.pdf>

- Instability:
  - Total hip replacement: 3 or more dislocations or subluxations.
  - Total knee replacement: Instability based on specialist clinical assessment.
  - Partial knee replacement: bearing dislocation OR
- Disease progression after partial knee replacement: Where OA has progressed in compartments of the knee that have not been replaced OR
- Other indications for revision as listed on the latest National Joint Registry Revision proforma<sup>2</sup> for example:
  - secondary patellar resurfacing after a primary total knee replacement where the patella was not resurfaced and there is evidence of cartilage loss on the patella; implant fracture; head/socket mismatch; malalignment; component/liner dissociation; stiffness; unexplained pain, whereby the patient has been fully investigated and other possible causes of their pain excluded

4. All patients should have had the evidence for outcome from revision surgery explained to them and understand that the outcomes from revision surgery are not likely to be as good as those from primary replacement surgery. Initial assessment should be based in primary care with referral for consideration of revision surgery offered to symptomatic patients as above.

5. All patients should be fit for surgery at the time of referral.

Routine follow-up after primary hip and knee revision surgery will include MHRA alerts and surveillance offered in line with MHRA recommendations.

2. <http://www.njrcentre.org.uk/njrcentre/Healthcare-providers/Collecting-data/Data-collection-forms>

NOTES:

- Potentially exceptional circumstances may be considered by a patient's CCG where there is evidence of significant health status impairment (e.g. inability to perform activities of daily living) and there is evidence that the intervention sought would improve the individual's health status.
- This policy will be reviewed in the light of new evidence or new national guidance, e.g., from NICE.
- Thames Valley clinical policies can be viewed at <http://www.fundingrequests.cscsu.nhs.uk/>

OPSC codes:

NHS England Prescribed Specialised Service 'flag rule' indicates that third revision and greater will be funded by NHS England (OPCS-4 code Y717 'Third or greater revisional operation NOC 'National Clinical Coding Standards'). Thames Valley CCGs will fund first and second revision procedures only.

- O171 Remanipulation of intracapsular fracture of neck of femur and fixation using nail or screw
- O182 Conversion to hybrid prosthetic replacement of knee joint using cement
- O183 Revision of hybrid prosthetic replacement of knee joint using cement
- O184 Attention to hybrid prosthetic replacement of knee joint using cement
- O188 Other specified hybrid prosthetic replacement of knee joint using cement
- O189 Unspecified hybrid prosthetic replacement of knee joint using cement
- O212 Conversion to total prosthetic replacement of elbow joint using cement
- O213 Revision of total prosthetic replacement of elbow joint using cement
- O214 Revision of one component of total prosthetic replacement of elbow joint using cement
- O222 Conversion to total prosthetic replacement of elbow joint not using cement
- O223 Revision of total prosthetic replacement of elbow joint not using cement
- O224 Revision of one component of total prosthetic replacement of elbow joint not using cement
- O232 Conversion to total prosthetic replacement of elbow joint NEC
- O233 Revision of total prosthetic replacement of elbow joint NEC
- O234 Attention to total prosthetic replacement of elbow joint NEC
- O235 Revision of one component of total prosthetic replacement of elbow joint NEC
- O243 Revision of prosthetic replacement of head of radius using cement
- O253 Revision of prosthetic replacement of head of radius not using cement
- O263 Revision of prosthetic replacement of head of radius NEC
- W372 Conversion to total prosthetic replacement of hip joint using cement
- W373 Revision of total prosthetic replacement of hip joint using cement
- W374 Revision of one component of total prosthetic replacement of hip joint using cement
- W378 Other specified total prosthetic replacement of hip joint using cement
- W379 Unspecified total prosthetic replacement of hip joint using cement
- W382 Conversion to total prosthetic replacement of hip joint not using cement
- W383 Revision of total prosthetic replacement of hip joint not using cement
- W384 Revision of one component of total prosthetic replacement of hip joint not using cement
- W388 Other specified total prosthetic replacement of hip joint not using cement
- W389 Unspecified total prosthetic replacement of hip joint not using cement
- W392 Conversion to total prosthetic replacement of hip joint NEC
- W393 Revision of total prosthetic replacement of hip joint NEC
- W394 Attention to total prosthetic replacement of hip joint NEC
- W395 Revision of one component of total prosthetic replacement of hip joint NEC
- W396 Closed reduction of dislocated total prosthetic replacement of hip joint
- W398 Other specified other total prosthetic replacement of hip joint
- W399 Unspecified other total prosthetic replacement of hip joint
- W402 Conversion to total prosthetic replacement of knee joint using cement
- W403 Revision of total prosthetic replacement of knee joint using cement
- W404 Revision of one component of total prosthetic replacement of knee joint using cement
- W408 Other specified total prosthetic replacement of knee joint using cement
- W409 Unspecified total prosthetic replacement of knee joint using cement
- W412 Conversion to total prosthetic replacement of knee joint not using cement
- W413 Revision of total prosthetic replacement of knee joint not using cement
- W414 Revision of one component of total prosthetic replacement of knee joint not using cement
- W418 Other specified total prosthetic replacement of knee joint not using cement
- W419 Unspecified total prosthetic replacement of knee joint not using cement
- W422 Conversion to total prosthetic replacement of knee joint NEC
- W423 Revision of total prosthetic replacement of knee joint NEC
- W424 Attention to total prosthetic replacement of knee joint NEC
- W425 Revision of one component of total prosthetic replacement of knee joint NEC
- W426 Arthrolysis of total prosthetic replacement of knee joint
- W428 Other specified other total prosthetic replacement of knee joint
- W429 Unspecified other total prosthetic replacement of knee joint
- W432 Conversion to total prosthetic replacement of joint using cement NEC
- W433 Revision of total prosthetic replacement of joint using cement NEC
- W434 Revision of one component of total prosthetic replacement of joint using cement NEC
- W438 Other specified total prosthetic replacement of other joint using cement
- W439 Unspecified total prosthetic replacement of other joint using cement

W442 Conversion to total prosthetic replacement of joint not using cement NEC  
W443 Revision of total prosthetic replacement of joint not using cement NEC  
W444 Revision of one component of total prosthetic replacement of joint not using cement NEC  
W448 Other specified total prosthetic replacement of other joint not using cement  
W449 Unspecified total prosthetic replacement of other joint not using cement  
W452 Conversion to total prosthetic replacement of joint NEC  
W453 Revision of total prosthetic replacement of joint NEC  
W454 Attention to total prosthetic replacement of joint NEC  
W455 Revision of one component of total prosthetic replacement of joint NEC  
W458 Other specified other total prosthetic replacement of other joint  
W459 Unspecified other total prosthetic replacement of other joint  
W462 Conversion to prosthetic replacement of head of femur using cement  
W463 Revision of prosthetic replacement of head of femur using cement  
W468 Other specified prosthetic replacement of head of femur using cement  
W469 Unspecified prosthetic replacement of head of femur using cement  
W472 Conversion to prosthetic replacement of head of femur not using cement  
W473 Revision of prosthetic replacement of head of femur not using cement  
W478 Other specified prosthetic replacement of head of femur not using cement  
W479 Unspecified prosthetic replacement of head of femur not using cement  
W482 Conversion to prosthetic replacement of head of femur NEC  
W483 Revision of prosthetic replacement of head of femur NEC  
W484 Attention to prosthetic replacement of head of femur NEC  
W485 Closed reduction of dislocated prosthetic replacement of head of femur  
W488 Other specified other prosthetic replacement of head of femur  
W489 Unspecified other prosthetic replacement of head of femur  
W492 Conversion to prosthetic replacement of head of humerus using cement  
W493 Revision of prosthetic replacement of head of humerus using cement  
W494 Resurfacing hemiarthroplasty of head of humerus using cement  
W498 Other specified prosthetic replacement of head of humerus using cement  
W499 Unspecified prosthetic replacement of head of humerus using cement  
W502 Conversion to prosthetic replacement of head of humerus not using cement  
W503 Revision of prosthetic replacement of head of humerus not using cement  
W504 Resurfacing hemiarthroplasty of head of humerus not using cement  
W508 Other specified prosthetic replacement of head of humerus not using cement  
W509 Unspecified prosthetic replacement of head of humerus not using cement  
W512 Conversion to prosthetic replacement of head of humerus NEC  
W513 Revision of prosthetic replacement of head of humerus NEC  
W514 Attention to prosthetic replacement of head of humerus NEC  
W515 Resurfacing hemiarthroplasty of head of humerus NEC  
W518 Other specified other prosthetic replacement of head of humerus  
W519 Unspecified other prosthetic replacement of head of humerus  
W522 Conversion to prosthetic replacement of articulation of bone using cement NEC  
W523 Revision of prosthetic replacement of articulation of bone using cement NEC  
W528 Other specified prosthetic replacement of articulation of other bone using cement  
W529 Unspecified prosthetic replacement of articulation of other bone using cement  
W532 Conversion to prosthetic replacement of articulation of bone not using cement NEC  
W533 Revision of prosthetic replacement of articulation of bone not using cement NEC  
W538 Other specified prosthetic replacement of articulation of other bone not using cement  
W539 Unspecified prosthetic replacement of articulation of other bone not using cement  
W542 Conversion to prosthetic replacement of articulation of bone NEC  
W543 Revision of prosthetic replacement of articulation of bone NEC  
W544 Attention to prosthetic replacement of articulation of bone NEC  
W548 Other specified other prosthetic replacement of articulation of other bone  
W549 Unspecified other prosthetic replacement of articulation of other bone