

Freedom of Information Act 2000 - Request Reference Fol/22/409

Perioperative Care

Please can you complete the below regarding your trust's current policies/protocols for this type of surgery. Alternatively, if your trust has a specific guideline or policy that answers the questions listed then I am happy for you to provide a copy/excerpt from that instead.

Pharmacological choices in Hip/Knee Arthroplasty

ANALGESIA

1. **What analgesic agents are offered per the trust's protocol/standard practice for joint replacement surgery** (beyond simple analgesia like paracetamol/codeine)? *Please detail dosage and route of administration.*
 - Preoperatively: no standard protocol
 - Intraoperatively: fentanyl 20mcg or Diamorphine 1mg
 - Post-operatively: if Fentanyl given intraoperatively a morphine pca at 2mg and 5-minute lockout will be provided post op.

ANTI-INFLAMMATORY

2. **What Anti-inflammatory agents are offered per the trust's protocol/standard practice for joint replacement surgery** (beyond simple agents like ibuprofen)? *Please detail dosage and route of administration.*
 - Preoperatively: None and if patients are on NSAIDS prior to admission they are normally asked to stop 5 days prior to admission.
 - Intraoperatively: Diclofenac 75 mg Iv and sometimes Dexamethasone 3.3mg but some anaesthetists will give 6.6mg
 - Post-operatively: Just simple ibuprofen 48hrs and normally a Proton Pump Inhibitor of Omeprazole 10mg Once daily or Lansoprazole 15mg to 30mg depending on patient's history.

ANTIMICROBIAL AGENTS

3. **What antibiotic/antimicrobial agents are offered per the trust's protocol/standard practice for joint replacement surgery?** *Please detail dosage and route of administration.*
 - Preoperatively: Octenisan washes
 - Intraoperatively: Ceftriaxone 2grams on induction Cefuroxime 1.5 on induction Teicoplanin 800mg all intravenously
 - Post-operatively: Vancomycin for revision surgery dependant on levels. Meropenem 1 to 2 grams dependant on blood results
4. **Does this differ between primary and revision joint replacement surgery?**

Yes, the primary joint replacements do not generally have any Antimicrobial Agents post op

REGIONAL ANAESTHESIA

5. What regional Anaesthetics agents are offered per the trust's protocol/standard practice for joint replacement surgery? Please detail dosage and route of administration.

- Preoperatively: On induction Lignocaine 1% or Levobupivocaine 0.5%
- Intraoperatively: None
- Post-operatively: None

VTE PROPHYLAXIS

6. What VTE prophylaxis is offered per the trust's protocol/standard practice for joint replacement surgery? Please detail dosage and route of administration.

- Preoperatively: None all patients asked to stop blood thinners pre-op some asked to stop 48hrs some asked to stop 5 days pre-op and some asked to stop 10 days preoperatively
- Intraoperatively: None
- Post-operatively: Apixiban 2.5mg BD. Knees have this dose for 14 days post op and hips receive the dose for 35 days post op. Or Clexane 40mg Once daily but if patient 100 kilos or more then will receive the Clexane 40mg Twice daily

ENHANCED RECOVERY

7. Are any additional medications/supplements issued as part of an enhanced recovery protocol for joint replacement surgery?

- Preoperatively: Carbohydrate drinks 1 bottle night before and 1 bottle day of surgery
- Intraoperatively: Lignocaine 1% or Levobupivocaine 0.5%. Tranexamic Acid 1gram Ondansatrom 4mg/ Cyclizine 50mg
- Post-operatively: Longtec 10mg BD with Shortec 5 to 10mg 1 to 2 hourly for Knee Replacements. Hip Replacements have 1 gram qds Paracetamol with Codeine phosphate 30 to 60mg Four times a day plus Morphine Sulphate Liquid as and when required 1 to 2 hourly

DAY CASE JOINT REPLACEMENT

8. If day case joint replacement surgery is offered are there any differences to the standard joint replacement protocol you have described above?

- Preoperatively
- Intraoperatively
- Post-operatively

Cardiff and Vale University Health Board do not have any day case joint surgeries.