

20220929 FOI ref 302-2223 Pharmacological choices in Hip/Knee Arthroplasty

Thank you for taking time to complete this short proforma, the information you provide will help to build a full picture of the pharmacological choices made for patients undergoing joint replacement surgery.

ANALGESIA		
1. What analgesic agents are offered per the trust's protocol/standard practice for joint replacement surgery (beyond simple analgesia like paracetamol/codeine)? <i>Please detail dosage and route of administration.</i>		
Preoperatively	Intraoperatively	Post-operatively
<ul style="list-style-type: none"> No additional analgesia is given to the patient pre-operatively at ward level other than simple analgesia 	<ul style="list-style-type: none"> IV Paracetamol 15mg/kg STAT dose IV Parecoxib 40mg 	<ul style="list-style-type: none"> Oral Paracetamol 1 gram four times a day Oxycodone MR 10mg BD (or 5mg in patient >80 years or CrCl < 30ml/min) for 5 doses (or when patient goes home) then Codeine 30-60mg QDS Gabapentin 100mg BD for 5 days or until discharge Ibuprofen 400mg TDS for 5 days. Avoid if CrCl <50ml/min. Considered only in selected patients based on individual risk factors. Oxycodone 5mg/5ml 2.5-5mg 2-4 hourly when required.
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)? <i>Please detail dosage and route of administration.</i>		
Preoperatively	Intraoperatively	Post-operatively
<ul style="list-style-type: none"> No additional anti-inflammatories are given to the patient pre-operatively at ward level 	<ul style="list-style-type: none"> IV Parecoxib 40mg 	<ul style="list-style-type: none"> Ibuprofen 400mg TDS for 5 days. Avoid if CrCl <50ml/min. Considered only in selected patients based on individual risk factors.

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	Intraoperatively	Post-operatively
<ul style="list-style-type: none"> None given 	<p>Not penicillin allergic</p> <ul style="list-style-type: none"> Flucloxacillin 1 g IV STAT Gentamicin 3 mg/kg IV STAT <p>Penicillin allergic</p> <ul style="list-style-type: none"> Teicoplanin 400 mg IV STAT Gentamicin 3 mg/kg IV STAT 	<ul style="list-style-type: none"> Give at least one further post-operative dose of flucloxacillin 6 hr after the last intra-operative dose. Administration can be extended for up to 24 hr post-operatively at the discretion of Consultant Orthopaedic Surgeon.

4. Does this differ between primary and revision joint replacement surgery?

- We use the same protocol for both. Unless revision surgeries for are for infection then this will be guided by sensitivities and microbiology.

Continued on next page...

REGIONAL ANAESTHESIA

5. What regional anaesthetic agents are offered per the trust's protocol/standard practice for joint replacement surgery?

Please detail dosage and route of administration.

Preoperatively	Intraoperatively	Post-operatively
nil	<p>Spinal utilizing heavy bupivacaine 0.5%</p> <p>Opiates – typically fentanyl, may also be administered.</p> <p>Local infiltration may be undertaken by the surgeon intraoperatively prior to closing the skin. Typically 30ml L Bupivacaine and 30mg ketorolac and Tranexamic acid</p>	

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	Intraoperatively	Post-operatively
<ul style="list-style-type: none"> Not required as for elective surgeries patients have surgery the day they are admitted. 	<ul style="list-style-type: none"> No requirement for this 	<p>Total Hip Replacement:</p> <ul style="list-style-type: none"> Option 1 - Preferred: Dalteparin 2500-5000 units once a day for 10 days post op then aspirin 75mg once a day for 28 days Option 2: Rivaroxaban 10mg once a day for 28 days <p>Total Knee Replacement:</p> <ul style="list-style-type: none"> Option 1 - Preferred: Aspirin 75mg once a day for 14 days Option 2: Dalteparin 2500-5000 units once a day for 14 days <p>Option 1 is picked for patients unless the consultant specifically mentions they want another NICE approved regime.</p>

ENHANCED RECOVERY

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

Preoperatively	Intraoperatively	Post-operatively
<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> IV Tranexamic acid see additional information 	<ul style="list-style-type: none"> Lactulose oral 10ml twice a day Senna oral 15mg once a day when required Prochlorperazine oral 6mg twice a day when required Ondansetron oral 4mg three times a day when required.

DAY CASE JOINT REPLACEMENT

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

Preoperatively

Intraoperatively

Post-operatively

Additional information

Tranexamic Acid

Given by the anaesthetist at the start of surgery: Give 1 gram intravenously if there is no evidence of renal impairment.

Given by the operating surgeon post implantation just before wound closure: If there is no renal impairment, also apply 1 gram to 2 gram of topical (intra-articular) tranexamic acid diluted in sodium chloride 0.9%. Ensure that the total combined dose of tranexamic acid does not exceed 3 gram.

FOI REF 302-2222