

Orthopaedics

Orthopaedics					
Type of surgery	Is surgical prophylaxis required? ⁴	Prophylactic Antibiotic of choice	Penicillin allergy (NOT severe hypersensitivity reaction/anaphylaxis)	Severe hypersensitivity reaction/anaphylaxis to penicillins	Max duration of prophylaxis ²
Orthopaedic surgery without implant	Not recommended				
Arthroplasty	Recommended	Cefuroxime	Cefuroxime	Vancomycin	≤24 hours
Open surgery for closed fracture	Recommended	Cefuroxime	Cefuroxime	Vancomycin	≤24 hours
Hip fracture	Recommended	Cefuroxime	Cefuroxime	Vancomycin + Gentamicin	≤24 hours
**Open fracture (See also Appendix 1: South East Orthopaedic Guideline -Antibiotic Prophylaxis for Open Fractures in the ED and Orthopaedic Departments)	Recommended	Phase 1: Cefuroxime + metronidazole ± Gentamicin Phase 2: Vancomycin + Gentamicin	Phase 1: Cefuroxime + Metronidazole ± Gentamicin Phase 2: Vancomycin + Gentamicin	Phase 1: Clindamycin + Gentamicin Phase 2: Vancomycin + Gentamicin	Phase 1 : ≤24 hours Phase 2: Single Dose
<p>**Phase 1: Within 1 hour of injury and continue until wound excision for 24 hours</p> <p>**Phase 2: At the time of definitive skeletal stabilisation and definitive soft tissue coverage the patient should receive a single intravenous dose at induction of vancomycin plus gentamicin</p> <p>• Consider addition of Vancomycin if MRSA high risk/known colonisation.</p>					