

Louth: Antimicrobial Guidelines - Louth Hospitals: Antimicrobial Guidelines: Paediatric Surgical Prophylaxis

Paediatrics - General Surgery Prophylaxis

Procedure
Paediatrics - Appendicectomy: Appendix Normal or Inflamed
Prophylactic Antimicrobials
First Line Prophylaxis/ Delayed-Onset Penicillin Hypersensitivity:
Cef-UR-oxime IV AND Metronidazole IV
If MRSA cover required, Add Teicoplanin IV
Immediate-Onset or Severe Penicillin Hypersensitivity:
Teicoplanin IV AND Gentamicin IV AND Metronidazole IV
Duration of Prophylaxis
Uncomplicated appendicitis: No further post op doses necessary
Comments
If patient chronically colonised with bacteria other than MRSA, contact Microbiology for advice.
Procedure
Paediatrics - Appendicectomy: Appendix Gangrenous or Perforated
Prophylactic Antimicrobials
First Line Prophylaxis/ Delayed-Onset Penicillin Hypersensitivity:
Cef-UR-oxime IV AND Metronidazole IV AND Gentamicin IV
If MRSA cover required, Add Teicoplanin IV
Immediate-Onset or Severe Penicillin Hypersensitivity:
Teicoplanin IV AND Gentamicin IV AND Metronidazole IV
Duration
Treatment course required post-op: Continue for 5 days (switch IV to PO when clinically appropriate).
Comments
If patient chronically colonised with bacteria other than MRSA, contact Microbiology for advice.
Procedure
Paediatrics - Insertion of Non-tunnelled and Tunnelled Central Lines
Prophylactic Antimicrobials
Antimicrobial prophylaxis not recommended.

Paediatrics - Endocarditis Prophylaxis for Dental Procedures

Paediatrics - Endocarditis Prophylaxis for Dental Procedures
Required for:
Dental procedures with manipulation of gingival or apical region of teeth, or perforation of oral mucosa.
Not required for:
<ul style="list-style-type: none"> • Local anaesthetic injection • Dental x-rays • Removal of sutures • Placement/adjustment of orthodontic devices • Loss of deciduous teeth • Oral trauma
Underlying Cardiac Condition
Prophylaxis only required if:
<ul style="list-style-type: none"> • Prosthetic valve • Previous endocarditis • Cyanotic congenital heart disease if: <ul style="list-style-type: none"> • Unrepaired • repaired within previous 6 months • repaired, but residual defect present
Prophylactic Antimicrobials
First Line:
Amoxicillin 50mg/kg PO or IV (max 2g) (single dose, 30-60 minutes before procedure)
Penicillin Hypersensitivity:
Clindamycin 20mg/kg PO or IV (max 600mg) (single dose, 30-60 minutes before procedure)
Reference: Health Service Executive. Antibiotic Prescribing: Dental; Endocarditis Prophylaxis. Last updated April 2019. Available from www.hse.ie

Paediatrics - ENT Surgery Prophylaxis

Procedure
Paediatrics - Adenoidectomy, Insertion of Grommets, Tonsillectomy
Prophylactic Antimicrobials
Antibiotics not usually required unless infection or abscess present.
Procedure
Paediatrics - Mastoidectomy, Tympanoplasty, Ear Surgery e.g. Pinnoplasty, Nose or Sinus Surgery
Prophylactic Antimicrobials
First Line Prophylaxis/ Delayed-Onset Penicillin Hypersensitivity:
Cef-UR-oxime IV
If MRSA cover required, Add Teicoplanin IV
Immediate-Onset or Severe Penicillin Hypersensitivity:
Teicoplanin IV AND Gentamicin IV
Duration of Prophylaxis
No further post op doses necessary

Paediatrics - Orthopaedic Surgery Prophylaxis

Procedure
Paediatrics - Closed Clean Procedures without Prosthesis/Implants
Prophylactic Antimicrobials
Antimicrobial prophylaxis not recommended.
Procedure
Paediatrics - Standard Procedures with Prosthesis/Implants
Prophylactic Antimicrobials
First Line Prophylaxis/ Delayed-Onset Penicillin Hypersensitivity:
Cef-UR-oxime IV
If MRSA cover required, Add Teicoplanin IV
Immediate-Onset or Severe Penicillin Hypersensitivity:
Teicoplanin IV
Duration of Prophylaxis
No further post op doses necessary
Comments
If patient chronically colonised with bacteria other than MRSA, contact Microbiology for advice.
Procedure
Paediatrics - Open Fractures / Wounds
N.B . Intravenous antibiotics are administered as soon as possible after injury and continued until wound debridement. Administer antibiotic doses pre-operatively (no more than 60 minutes before skin incision) to ensure optimum plasma and tissue concentrations at the time of procedure.
Prophylactic Antimicrobials
First Line Prophylaxis/ Delayed-Onset Penicillin Hypersensitivity:
Cef-UR-oxime IV AND Metronidazole IV
If MRSA cover required, Add Teicoplanin IV
Immediate-Onset or Severe Penicillin Hypersensitivity:
Teicoplanin IV AND Gentamicin IV AND Metronidazole IV
Duration
Continue for 72 hours or until definitive wound closure whichever is sooner.
Comments
If patient chronically colonised with bacteria other than MRSA, contact Microbiology for advice.

Paediatrics - Plastic Surgery Prophylaxis

