

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

### Paediatrics - General Surgery Prophylaxis

| Procedure   |
|---|
| <b>Paediatrics - Appendicectomy: Appendix Normal or Inflamed</b>                                      |
| Prophylactic Antimicrobials   |
| <b>First Line Prophylaxis/ Delayed-Onset Penicillin Hypersensitivity:</b>                             |
| Cef-UR-oxime IV <b>AND</b> Metronidazole IV   |
| <b>If MRSA cover required, Add Teicoplanin IV</b>   |
| <b>Immediate-Onset or Severe Penicillin Hypersensitivity:</b>   |
| Teicoplanin IV <b>AND</b> Gentamicin IV <b>AND</b> 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   |
| <b>Paediatrics - Appendicectomy: Appendix Gangrenous or Perforated</b>                                |
| Prophylactic Antimicrobials   |
| <b>First Line Prophylaxis/ Delayed-Onset Penicillin Hypersensitivity:</b>                             |
| Cef-UR-oxime IV <b>AND</b> Metronidazole IV <b>AND</b> Gentamicin IV                                  |
| <b>If MRSA cover required, Add Teicoplanin IV</b>   |
| <b>Immediate-Onset or Severe Penicillin Hypersensitivity:</b>   |
| Teicoplanin IV <b>AND</b> Gentamicin IV <b>AND</b> 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   |
| <b>Paediatrics - Insertion of Non-tunnelled and Tunnelled Central Lines</b>                           |
| Prophylactic Antimicrobials   |
| Antimicrobial prophylaxis not recommended.  |

### Paediatrics - Endocarditis Prophylaxis for Dental Procedures

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

## 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   |
| <b>First Line Prophylaxis/ Delayed-Onset Penicillin Hypersensitivity:</b>                       |
| Cef-UR-oxime IV   |
| If MRSA cover required, Add Teicoplanin IV  |
| <b>Immediate-Onset or Severe Penicillin Hypersensitivity:</b>                                   |
| 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   |
| <b>First Line Prophylaxis/ Delayed-Onset Penicillin Hypersensitivity:</b>   |
| Cef-UR-oxime IV   |
| If MRSA cover required, Add Teicoplanin IV  |
| <b>Immediate-Onset or Severe Penicillin Hypersensitivity:</b>   |
| 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   |
| <b>N.B .</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   |
| <b>First Line Prophylaxis/ Delayed-Onset Penicillin Hypersensitivity:</b>   |
| Cef-UR-oxime IV AND Metronidazole IV  |
| If MRSA cover required, Add Teicoplanin IV  |
| <b>Immediate-Onset or Severe Penicillin Hypersensitivity:</b>   |
| 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

