



ANTIBIOTICS SURGICAL PROPHYLAXIS

The use of antimicrobial agents for dirty procedure or established infection is classified as treatment of presumed infection, not prophylaxis. The treatment is excluded from this form.

*Consider adding a single dose of gentamicin 5 mg/kg IV if your hospital is facing gram negative bacterial surgical site infection according to local hospital antibiogram.

*For procedures lasting more than 4 hours, or for procedures with more than 1,500 mL blood loss, **repeat** dose of Cefazolin every 4 hours OR Clindamycin every 6 hours as an alternative agent (in case of allergy or preferred regimen not available)

Gastroduodenal

Procedures involving entry into the lumen of gastrointestinal tract (bariatric, pancreaticoduodenectomy)

Procedures without entry into gastrointestinal tract (antireflux, highly selective vagotomy) for high-risk patients

Laparoscopic procedure: Elective, high risk

Appendectomy for uncomplicated appendicitis

Colorectal

Biliary tract: open procedure

Small intestine: Non-obstructed or obstructed

Preferred regimen :

Cefazolin 2 g (if weight \geq 120 kg: 3 g) (children dose:30 mg/kg) IV single dose +
For appendectomy, obstructed small intestinal and colorectal add **Metronidazole** 500 mg (children dose:15 mg/kg) IV single dose **within 60** minutes prior to incision

Alternative agents:

Clindamycin 900 mg (children dose: 10 mg/kg) IV **within 60** minutes + **Ciprofloxacin** 400 mg IV (children dose: 10 mg/kg) single dose **within 120** minutes prior to incision
Obstructed small intestinal
Metronidazole 500 mg (children dose:15 mg/kg) IV single dose **within 60** minutes prior to incision + **Ciprofloxacin** 400 mg IV (children dose: 10 mg/kg) single dose **within 120** minutes prior to incision

Cardiac: Screen patients for MRSA nasal carriage, if positive eradicate with nasal mupirocin & chlorhexidine body wash for 5 days.

Coronary artery bypass, Cardiac device insertion procedures (e.g., pacemaker implantation and Ventricular assist devices)

Thoracic

Noncardiac procedures, including lobectomy, pneumonectomy, lung resection, and thoracotomy

Video-assisted thoracoscopic surgery

Preferred regimen :

Cefazolin 2 g (if weight \geq 120 kg: 3 g) (children dose: 30 mg/kg) IV single dose **within 60** minutes prior to incision

Alternative agents:

Clindamycin 900 mg (children dose:10 mg/kg) IV single dose **within 60** minutes prior to incision
 Vancomycin 15 mg/kg (max.2 g) (children dose: 15 mg/kg) IV single dose **within 120** minutes prior to incision

Cesarean delivery

Vaginal or abdominal hysterectomy/other obstetric procedure

Preferred regimen :

Cefazolin 2 g (if weight \geq 120 kg: 3g) IV single dose **within 60** minutes prior to incision

Alternative agents:

Clindamycin 900 mg (children dose:10 mg/kg) IV single dose + **Gentamicin** 5 mg/kg (children dose: 2.5 mg/kg) single dose **within 60** minutes prior to incision

Head/ neck



Clean cut procedures: none

Clean with prosthesis: (excluding tympanostomy tubes)

Preferred regimen:

Cefazolin 2 g (if weight \geq 120 kg: 3 g) (children dose: 30 mg/kg) IV single dose **within 60** minutes prior to incision

Clean with prosthesis: (excludes tympanostomy tubes)

Alternative agents:

Clindamycin 900 mg (children dose:10 mg/kg) IV single dose **within 60** minutes prior to incision

Clean – contaminated: (cancer or other procedure with exception of tonsillectomy and functional endoscopic sinus procedure)

Preferred regimen:

Cefazolin 2 g (if weight \geq 120 kg: 3 g) (children dose: 30mg/kg) IV single dose + **Metronidazole** 500 mg (children dose:15 mg/kg) IV single dose **within 60** minutes prior to incision.

Clean – contaminated: (cancer or other procedure with exception of tonsillectomy and functional endoscopic sinus procedure)

Alternative:

Clindamycin 900 mg (children dose:10mg/kg) IV single dose **within 60** minutes prior to incision

Urology:

Preferred regimen:

Lower tract instrumentation with risk factors for infection (includes transrectal prostate biopsy)

Clean without entry into urinary tract

Cefazolin 2 g (if weight \geq 120 kg: 3 g) (children dose: 30 mg/kg) IV single dose **within 60** minutes prior to incision

Involving implanted prosthesis

Clean with entry into urinary tract

Cefazolin 2 g (if weight \geq 120 kg: 3 g) (children dose: 30 mg/kg) IV single dose **within 60** minutes prior to incision \pm **Gentamicin** 5 mg/kg (children dose: 2.5 mg/kg) single dose **within 60** minutes prior to incision

Clean-contaminated

Cefazolin 2 g (if weight \geq 120 kg: 3 g) (children dose:30 mg/kg) IV single dose + **Metronidazole** 500 mg (children dose:15 mg/kg) IV single dose **within 60** minutes prior to incision

Alternative agents:

Lower tract instrumentation with risk factors for infection (includes transrectal prostate biopsy)

Clean with entry into urinary tract

Clean-contaminated

Ciprofloxacin 400mg (children dose:10mg/kg) IV single dose **within 120** minutes prior to incision

Clean without entry into urinary tract

Clindamycin 900 mg (children dose:10 mg/kg) IV single dose **within 60** minutes prior to incision

Vancomycin 15 mg/kg (max.2 g) (children dose: 15 mg/kg) IV single dose **within 120** minutes prior to incision

Involving implanted prosthesis

Clindamycin 900 mg (children dose:10 mg/kg) IV single dose \pm **gentamicin** 5 mg/kg (children dose: 2.5 mg/kg) single dose **within 60** minutes prior to incision

Neurosurgery:

Elective craniotomy and cerebrospinal fluid-shunting Procedures

Implantation of intrathecal pumps

Preferred regimen:

Cefazolin 2 g (if weight \geq 120 kg: 3 g) (children dose: 30 mg/kg) IV single dose **within 60** minutes prior to incision

Alternative agents:

Clindamycin 900 mg (children dose: 10 mg/kg) IV single dose **within 60** minutes prior to incision

If MRSA colonization is present:

Vancomycin 15 mg/kg (max.2g) (children dose:15 mg/kg) IV single dose **within 120** minutes prior to incision

Orthopedic: *Screen patients for MRSA nasal carriage, if positive eradicate with nasal mupirocin & chlorhexidine body wash for 5 days.

*Clean operations: hand, knee or foot not involving implantation of foreign materials: none

Spinal procedures with and without instrumentation

Hip fracture repair

Implantation of internal fixation devices (e.g., nails, screws, plates, wires)

Total joint replacement



<p>Preferred regimen: <input type="checkbox"/> Cefazolin 2 g (if weight \geq120 kg: 3 g) (children dose: 30 mg/kg) IV single dose within 60 minutes prior to incision</p>	<p>Alternative agents: <input type="checkbox"/> Clindamycin 900 mg (children dose: 10 mg/kg) IV for single dose within 60 minutes prior to incision <input type="checkbox"/> Vancomycin 15 mg/kg (max.2g) (children dose:15 mg/kg) IV single dose within 120 minutes prior to incision</p>
Vascular Hernioplasty or herniorrhaphy MESH Placement	
<p>Preferred regimen: <input type="checkbox"/> Cefazolin 2 g (if weight \geq120 kg: 3 g) (children dose: 30 mg/kg) IV single dose within 60 minutes prior to incision</p>	<p>Alternative: <input type="checkbox"/> Clindamycin 900 mg (children dose:10 mg/kg) IV for single dose within 60 minutes prior to incision <input type="checkbox"/> Vancomycin 15 mg/kg (max.2g) (children dose:15 mg/kg) IV single dose within 120 minutes prior to incision</p>
Plastic Clean procedure with risk factors or clean-contaminated	
<p>Preferred regimen: <input type="checkbox"/> Cefazolin 2 g (if weight \geq120 kg: 3 g) (children dose: 30 mg/kg) IV single dose within 60 minutes prior to incision</p>	<p>Alternative: <input type="checkbox"/> Clindamycin 900 mg (children dose: 10 mg/kg) IV for single dose within 60 minutes prior to incision. <input type="checkbox"/> Vancomycin 15 mg/kg (max.2g) (children dose:15mg/kg) IV single dose within 120 minutes prior to incision</p>
Ophthalmic	
<input type="checkbox"/> Topical Moxifloxacin 1 drop every 5–15 minutes for 5 doses Addition of: (OPTIONAL) <input type="checkbox"/> Cefazolin 100 mg by subconjunctival injection OR <input type="checkbox"/> Cefazolin 1–2.5 mg Intracameral	
Liver transplantation	
<p>Preferred regimen: Piperacillin–tazobactam 3.375 g (children > 9 months and \leq 40 kg: 100mg/kg of penicillin component) IV single dose within 60 minutes prior to incision</p>	<p>Alternative: <input type="checkbox"/> Clindamycin 900 mg (children dose: 10 mg/kg) IV for single dose within 60 minutes prior to incision + Ciprofloxacin 400 mg IV (children dose: 10 mg/kg) single dose within 120 minutes prior to incision <input type="checkbox"/> Vancomycin 15 mg/kg (max.2g) (children dose:15mg/kg) IV single dose within 120 minutes prior to incision ++ Ciprofloxacin 400 mg IV (children dose: 10 mg/kg) single dose within 120 minutes prior to incision</p>
Pancreas and pancreas–kidney transplantation	
<p>Preferred regimen: <input type="checkbox"/> Cefazolin 2 g (if weight \geq120 kg: 3 g) (children dose: 30 mg/kg) IV single dose within 60 minutes prior to incision</p>	<p>Alternative: <input type="checkbox"/> Clindamycin 900 mg (children dose: 10 mg/kg) IV for single dose within 60 minutes prior to incision + Ciprofloxacin 400 mg IV (children dose: 10 mg/kg) single dose within 120 minutes prior to incision <input type="checkbox"/> Vancomycin 15 mg/kg (max.2g) (children dose:15mg/kg) IV single dose within 120 minutes prior to incision ++</p>



وزارة الصحة
Ministry of Health

Ciprofloxacin 400 mg IV (children dose: 10 mg/kg) single dose
within 120 minutes prior to incision

***Post-operative duration of antimicrobial prophylaxis should be limited to less than 24 hours from surgery end time, regardless of the presence of indwelling catheters, drains or prosthesis .**

- Classification of surgical wounds:
 - clean
 - clean- contaminated
- Time of incision: _____
- Duration of surgery: _____ Hours.
- Repeat dosing of antibiotic, if Yes:
Drug Name: _____ Dose: _____
- Prophylaxis antibiotic duration:
 - single dose
 - Not more than 24 hours after surgery end time

Comment: _____

MRP name: _____ Signature: _____

Time of antibiotics Administration: _____

Administration site: Peripheral
 Central

Nurse name:
Signature:

Double check by (nurse name):
Signature:

Re-dosing administration nurse:
Nurse comment:
