

- Antibiotic should be administered between **10 to 60 minutes before knife to skin**
- Post-operative duration should NOT exceed 24 hours (except cardiac or thoracic which should NOT exceed 48 hours)
- Continuing prophylaxis until drains or catheters are removed is NOT recommended

Surgical Procedure	Recommended Agent	Alternative if β-lactam allergic (anaphylaxis)
Cardiac or thoracic	Cefazolin IV 2g < 120kg 3g ≥ 120kg	Clindamycin IV 600mg or Vancomycin 15mg/kg (2g max), infuse 1g over an hour, to be completed before knife to skin
Colorectal	Cefazolin IV 2g < 120kg 3g ≥ 120kg and Metronidazole IV 500mg (or 1g rectally)	Gentamicin IV 5mg/kg ¹ (single dose) (400mg max) or Clindamycin IV 600mg and Metronidazole IV 500mg (or 1g rectally)
Ear, nose and throat or maxillofacial Clean-contaminated	Cefazolin IV 2g < 120kg 3g ≥ 120kg with or without Metronidazole IV 500mg (or 2 rectally)	Clindamycin IV 600mg
General surgery, clean	Cefazolin IV $2g < 120kg$ $3g \ge 120kg$	Clindamycin IV 600mg
Gynaecological	Cefazolin IV $2g < 120kg$ $3g \ge 120kg$	Gentamicin IV 5mg/kg ¹ (single dose) (400mg max) or Clindamycin IV 600mg and Metronidazole IV 500mg (or 1g rectally)
Neurosurgery	Cefazolin IV 2g < 120kg 3g ≥ 120kg	Clindamycin IV 600mg or Vancomycin 15mg/kg (2g max), infuse 1g over an hour, to be completed before knife to skin
Orthopaedic Spinal procedures or those involving implants	Cefazolin IV 2g < 120kg 3g ≥ 120kg	Clindamycin IV 600mg or Vancomycin 15mg/kg (2g max), infuse 1g over an hour, to be completed before knife to skin
Plastic surgery Clean with risk factors or clean- contaminated	Cefazolin IV 2g < 120kg 3g ≥ 120kg	Clindamycin IV 600mg or Vancomycin 15mg/kg (2g max), infuse 1g over an hour, to be completed before knife to skin
Urological Pre-op susceptibility results should guide choice of agent	Cefazolin IV $2g < 120kg$ or Gentamicin IV $3g \ge 120kg$ $5mg/kg^1$ (400mgand Metronidazole IV 500mg (or 1g rectally) if	max) and Metronidazole IV 500mg (or 1g rectally) if clean-contaminated procedure
Urological	contaminated procedure Based on local susceptibility results and DHB	
trans-rectal prostate biopsies Vascular	guidelines Cefazolin IV 2g < 120kg 3g ≥ 120kg	Clindamycin 600mg IV or Vancomycin 15mg/kg (2g max), infuse 1g over an hour, to be completed before knife to skin.

Re-dosing

When	Agent	Frequency while in Surgery
Surgery longer than 4 hours or	Cefazolin Cefuroxime	Every 4 hours
Extensive blood loss ≥15% blood	Clindamycin	Every 6 hours
volume	Metronidazole	Every 7 hours
	Vancomycin	Every 9 hours
	Gentamicin	Not required

Bilateral procedures

MDRO

When	Agent		When	Agent
Procedure con afte sec req Var	If second site commences one hour after the initial dose,	MRSA colonisation	Add vancomycin body weight to re (maximum dose o	
	second dose is required. Vancomycin – no second dose	ed. mycin – no	ESBL	For contaminated contaminated pro advice from micro infectious disease

Southern Cross Healthcare Guidelines for Antimicrobial prescribing – Recommended prophylactic antimicrobial agents and administration guide. July 2022

Acce	ntahle	Altern	atives
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Cefoxitin IV 2g

Cefuroxime IV 1.5g **and** Metronidazole IV 500mg (or 1g rectally)

or Amoxycillin-clavulanic acid IV 1.2-2.4g

Cefuroxime IV 1.5g or Flucloxacillin IV 2g

Cefoxitin IV 2g **or** Amoxycillin-clavulanic acid IV 1.2-2.4g

Cefuroxime IV 1.5g

Cefuroxime IV 1.5g

Cefuroxime IV 1.5g or Flucloxacillin IV 2g

Cefazolin IV 2g < 120kg 3g ≥ 120kg with or without Gentamicin IV 5mg/kg¹ (400mg max)

Cefuroxime IV 1.5g or Flucloxacillin IV 2g

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	Notes
n 15mg/kg actual	1g infusion over a period of at
regime	least 60mins;
e of 2g)	2g dose over 2 hours
ed/clean	N.B. Bowel colonisation with
rocedures, seek	ESBL should not alter
crobiologist or	prophylaxis for clean surgical
se specialist	procedures