



**ANTIMICROBIAL PROPHYLAXIS ANTIBIOTIC ORDER
FORM FOR ADULT SURGERY**

Name _____
MR# _____
N.S. _____
SERVICE/DOCTOR _____

AFFIX LABEL OR COMPLETE

Allergies: NKDA Other _____

Patient Weight: _____ kg

**Initiate the intravenous antibiotic(s) within 60 min prior to initiation of the surgery and continue postop for the specified number of doses as/if indicated.
Vancomycin infusion should begin within 120 min before incision.**

Directions: Check the boxes next to the antibiotic ordered. Most surgeries only require PREOP antibiotics. POSTOP antibiotics will be discontinued in 24 hours. Surgeries that are considered contaminated or dirty/infected require antibiotic therapy, not prophylaxis.

If CrCl < 50 ml/min, please adjust the dose according to the table in the back of this form.

Type of Procedure		Drug of Choice (IVPB)	Allergy to Drug of Choice (IVPB)
INTRAABDOMINAL surgeries involving stomach, spleen, liver, gallbladder, pancreas, kidney, hernia, peritoneum	PREOP	Cefazolin <input type="checkbox"/> < 80 kg: 1 g x 1 dose <input type="checkbox"/> ≥ 80 kg: 2 g x 1 dose	<input type="checkbox"/> Clindamycin 600 mg x 1 dose
INTRAABDOMINAL surgeries affecting: large and small bowel, colon ▪ Did the patient receive neomycin + erythromycin prior to surgery? <input type="checkbox"/> Yes <input type="checkbox"/> No	PREOP	<input type="checkbox"/> < 80 kg: Cefazolin 1 g & Metronidazole 500 mg (1 dose each) <input type="checkbox"/> ≥ 80 kg: Cefazolin 2 g & Metronidazole 500 mg (1 dose each)	<input type="checkbox"/> < 80 kg: Gentamicin 100 mg & Clindamycin 600 mg (1 dose each) <input type="checkbox"/> ≥ 80 kg: Gentamicin 120 mg & Clindamycin 600 mg (1 dose each)
THORACIC, NON-CARDIAC	PREOP	Cefazolin <input type="checkbox"/> < 80 kg: 1 g x 1 dose <input type="checkbox"/> ≥ 80 kg: 2 g x 1 dose	<input type="checkbox"/> Clindamycin 600 mg x 1 dose
VASCULAR SURGERY: Lower amputation, arterial surgery, vascular devices, implants, or repair	PREOP	Cefazolin <input type="checkbox"/> < 80 kg: 1 g x 1 dose <input type="checkbox"/> ≥ 80 kg: 2 g x 1 dose	<input type="checkbox"/> Clindamycin 600 mg x 1 dose
	POSTOP*	Cefazolin <input type="checkbox"/> < 80 kg: 1 g q8h x 3 doses <input type="checkbox"/> ≥ 80 kg: 2 g q8h x 3 doses	<input type="checkbox"/> Clindamycin 600 mg q6h x 3 doses
NEUROSURGERY: Craniotomy, shunts, laminectomies, and spinal fusion (prosthetic material)	PREOP	Cefazolin <input type="checkbox"/> < 80 kg: 1 g x 1 dose <input type="checkbox"/> ≥ 80 kg: 2 g x 1 dose	<input type="checkbox"/> Vancomycin 1 gm x 1 dose (ID Approval required)
	POSTOP*	Cefazolin <input type="checkbox"/> < 80 kg: 1 g q8h x 3 doses <input type="checkbox"/> ≥ 80 kg: 2 g q8h x 3 doses	<input type="checkbox"/> Vancomycin 1 gm q12h x 2 doses (ID Approval required)
GYNECOLOGY: Vaginal, abdominal or laparoscopic hysterectomy	PREOP	Cefazolin <input type="checkbox"/> < 80 kg: 1 g x 1 dose <input type="checkbox"/> ≥ 80 kg: 2 g x 1 dose	<input type="checkbox"/> < 80 kg: Gentamicin 80 mg & Clindamycin 900 mg (1 dose each) <input type="checkbox"/> ≥ 80 kg: Gentamicin 100 mg & Clindamycin 900 mg (1 dose each)
GYNECOLOGY: Cesarean Section	PREOP	<input type="checkbox"/> < 80 kg: Cefazolin 1 g x 1 dose <input type="checkbox"/> > 80 kg: Cefazolin 2 g x 1 dose	<input type="checkbox"/> < 80 kg: Gentamicin 100 mg & Clindamycin 900 mg (1 dose each) <input type="checkbox"/> ≥ 80 kg: Gentamicin 120 mg & Clindamycin 900 mg (1 dose each)
	No Risk-Factors:	<input type="checkbox"/> < 80 kg: Cefazolin 1 g x 1 dose <input type="checkbox"/> > 80 kg: Cefazolin 2 g x 1 dose	
	Risk-factors:	<input type="checkbox"/> < 80 kg: Gentamicin 100 mg & Metronidazole 500 mg (1 dose each) <input type="checkbox"/> ≥ 80 kg: Gentamicin 120 mg & Metronidazole 500 mg (1 dose each)	
ORTHOPAEDICS	PREOP	Cefazolin <input type="checkbox"/> < 80 kg: 1 g x 1 dose <input type="checkbox"/> ≥ 80 kg: 2 g x 1 dose	<input type="checkbox"/> Vancomycin 1 gm x 1 dose (ID Approval required)
	POSTOP*	Cefazolin <input type="checkbox"/> < 80 kg: 1 g q8h x 3 doses <input type="checkbox"/> ≥ 80 kg: 2 g q8h x 3 doses	<input type="checkbox"/> Clindamycin 600 mg q8h x 3 doses <input type="checkbox"/> Vancomycin 1 gm q12h x 2 doses (ID Approval required)
Urologic: TURP (without catheter), TRPB, ureteral stents	PREOP	<input type="checkbox"/> < 80 kg: Cefazolin 1 g x 1 dose <input type="checkbox"/> > 80 kg: Cefazolin 2 g x 1 dose	<input type="checkbox"/> Trimethoprim/sulfamethoxazole 160 mg PO x 1 dose <input type="checkbox"/> Trimethoprim/Sulfamethoxazole 160 mg IV x 1 dose in 150 mL D5W
GENERAL SURGERY: Any implanted foreign body	PREOP	Cefazolin <input type="checkbox"/> < 80 kg: 1 g x 1 dose <input type="checkbox"/> ≥ 80 kg: 2 g x 1 dose	<input type="checkbox"/> Clindamycin 600 mg x 1 dose

* POSTOP antibiotics should be given 8 hours (12 hours for vancomycin) after the PREOP antibiotics.

Repeat Dosing: Antibiotic redosing may be necessary if surgery lasts longer than 3 hours or if there is excessive blood loss (6 units or 1.5 L hemodilution during surgery). To order intra-op antibiotics please fill out the regular medication order form and state intra-op dose.

Physician Name and Beeper # _____ DATE/TIME _____
Pre-op Nurse Signature _____ DATE/TIME _____
Post-op Nurse Signature _____ DATE/TIME _____
Unit Nurse Signature _____ DATE/TIME _____

INTRAOPERATIVE ANTIMICROBIAL READMINISTRATION GUIDELINES

Antimicrobial	Half-life with normal renal function (h)	Half-life with end-stage renal disease (h)	Recommended re-dosing interval in individuals with NORMAL renal function*
Cefazolin	1.2-2.5	40-70	4 hours
Levofloxacin	6-8	35-45	24 hours
Gentamicin	2-3	50-70	6 hours
Metronidazole	6-14	7-21; no change	8 hours
Trimethoprim/sulfamethoxazole	8-12	20-30	unnecessary
Vancomycin	4-6	44.1-406.4	12 hours
Clindamycin	1.5-5	5-6; no change	8 hours

*In general, antimicrobials should be readministered at intervals of 1-2 times the half-life of the drug.

Adapted from Bratzler et al. Antimicrobial prophylaxis for surgery: an advisory statement from the National Surgical Infection Prevention Project. *CID*. 2004;38:1706-15.

ANTIMICROBIAL DOSAGE ADJUSTMENTS WITH RENAL INSUFFICIENCY (CrCl < 50 ml/min)

Single pre-operative doses are not adjusted for renal impairment.

Antimicrobial	Dosing Regimen with Normal Renal Function	Dosing Regimen with CrCl < 50 ml/min	Dosing Regimen with CrCl < 10 ml/min
Levofloxacin	500 mg PO/IV q24h	500 mg PO/IV q 48 hrs	500 mg x 1 then 250 mg q48h
Cefazolin	1 g IV q8h	1 g IV q12h	1 g IV q24h
Gentamicin	80 mg IV q8h	60 mg q12h	40 mg q24h
Metronidazole	500 mg IV q8h	500 mg IV q8h	500 mg IV q12h
Vancomycin	1 g IV q12h	1 g IV q24h	Unnecessary (> 48h)