



**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)
<b>INTRAABDOMINAL</b> 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
<b>INTRAABDOMINAL</b> 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)
<b>THORACIC, NON-CARDIAC</b>	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
<b>VASCULAR SURGERY:</b> 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
<b>NEUROSURGERY:</b> 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)
<b>GYNECOLOGY:</b> 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)
<b>GYNECOLOGY:</b> Cesarean Section	PREOP		
	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	<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)
	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)	
<b>ORTHOPAEDICS</b>	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)
<b>Urologic:</b> 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
<b>GENERAL SURGERY:</b> 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)