

Therapeutic Interchange for Anti-Infectives (For Inpatient Use)

AMINOOL VOCCIDEO		
Oudered As	AMINOGLYCOSIDES	
Ordered As	Substitute	
Tobramycin	NonFormulary: Auto-substitute to <i>Gentamicin</i> if	
A	organism is susceptible (Same dose and frequency).	
Amikacin (Amikin)	NonFormulary: Auto-substitute to <i>Gentamicin</i> if	
	organism is susceptible (or to <i>Tobramycin</i> if organism	
	is resistant to <i>Gentamicin</i> but susceptible to	
	Tobramycin) with dosing per 'Aminoglycoside	
	Dosing and Monitoring by Pharmacists Policy'. If	
	organism is resistant to <i>Gentamicin</i> and <i>Tobramycin</i>	
	OR if <i>Amikacin</i> is ordered by ID specialist, dispense as written.	
ANTIFUNGALS Ordered As Substitute		
Amphotericin B (Amphocin,	NonFormulary: Auto-substitute to Amphotericin B	
Fungizone)	liposomal (AmBisome) – 4 mg/kg/day	
Amphotericin B lipid complex (Abelcet)		
Caspofungin (Cancidas)	NonFormulary: Auto-substitute to Micafungin	
Odsporungin (Odnerdas)	(Mycamine) 100 mg IV q 24 hours for adults or	
	2 mg/kg/day IV for pediatric patients.	
	Micafungin is Restricted - ID Consult Required, and	
	inform prescriber that the first 24 hours of doses will be	
	provided; however, an infectious disease consult must	
	be initiated by the prescribing physician at the time the	
	drug is ordered to continue past the first 24 hours.	
Voriconazole (Vfend)	Restricted - ID Consult Required: Inform prescriber	
(**************************************	that the first 24 hours of doses will be provided;	
	however, an infectious disease consult must be	
	initiated by the prescribing physician at the time the	
	drug is ordered to continue past the first 24 hours.	
	CARBAPENEMS	
Ordered As	Substitute	
Ertapenem (Invanz)	Restricted - ID Consult Required: Inform prescriber	
	that the first 24 hours of doses will be provided;	
	however, an infectious disease consult must be	
	initiated by the prescribing physician at the time the	
	drug is ordered to continue past the first 24 hours.	
	Exception: One-time dose allowed without ID consult	
	for surgical prophylaxis for colorectal surgeries only.	
	Exception: See comment in meropemem section. If	
	meropenem is ordered for non-pseudomonal ESBL	
	infection (excluding uncomplicated UTI), can be	
	substituted to ertapenem without ID consult.	
Meropenem (Merrem)	Restricted – ID or Pulmonary/Critical Care Consult	
	Required: Inform prescriber that the first 24 hours of	
	doses will be provided; however, an infectious disease	
	or pulmonary/critical care consult must be initiated by	
	the prescribing physician at the time the drug is	

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	and and to continue post the first OA bours	
	ordered to continue past the first 24 hours. Non-Pseudomonal ESBL Infections (Excluding UTIs – See Below)	
	Automatically substitute meropenem to renally	
	dose adjusted ertapenem (ID consult is not	
	needed)	
	,	
	Non-Pseudomonal ESBL UTIs	
	 Uncomplicated non-Pseudomonal ESBL UTIs: Automatically substitute meropenem to nitrofurantoin monohydrate/macrocrystals 	
	(Macrobid) 100 mg PO BID. If isolate is	
	resistant to nitrofurantoin or nitrofurantoin is	
	contraindicated, automatically substitute to	
	fosfomycin 3 gm PO x 1 (ID consult is not needed)	
	 Be aware that fosfomycin has limited or variable activity against Acinetobacter 	
	baumannii, Morganella ssp,	
	Pseudomonas aeruginosa,	
	Stenotrophomonas maltophilia,	
	Bacteroides fragilis, and Fusobacterium	
	ssp. and is not advised for these organisms	
	Complicated non-Pseudomonal ESBL UTIs:	
	Automatically substitute meropenem to renally	
	dose adjusted ertapenem (ID consult is not	
	needed)	
	,	
Doripenem (Doribax) Imipenem-Cilastatin (Primaxin)	NonFormulary: Auto-substitute to Meropenem (Merrem) with dose adjusted based on indication and renal function.	
	Meropenem (Merrem) is Restricted - ID or	
	Pulmonary/Critical Care Consult is Required, and	
	inform prescriber that the first 24 hours of doses will be	
	provided; however, an infectious disease or	
	pulmonary/critical care consult must be initiated by the	
	prescribing physician at the time the drug is ordered to	
	continue past the first 24 hours. EPHALOSPORINS	
Ordered As	Substitute	
	st Generation - Oral	
Cefadroxil (Duricef)	NonFormulary: Auto-substitute to Cephalexin	
	(Keflex) – half the strength, twice as often	
First Generation – Injectable		
Cefazolin (Ancef) – q 6 hours	Auto-substitute to Cefazolin (Ancef) – q 8 hours	
	Preoperative Doses:	
	- Patients <120 kg – Autosubstitute to cefazolin 2	

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	gm - Patients ≥120 kg – Autosubstitute to cefazolin 3 gm IV	
Se	econd Generation – Oral	
Cefaclor (Ceclor) Cefprozil (Cefzil)	NonFormulary: Auto-substitute to Cefuroxime axetil (Ceftin) 500 mg PO q 12 hours	
	nd Generation – Injectable	
Cefoxitin (Mefoxin)	NonFormulary: Auto-substitute to Cefotetan (Cefotan) at same dose given q 12 hours	
T	hird Generation – Oral	
Cefpodoxime (Vantin) Ceftibuten (Cedax)	NonFormulary: Auto-substitute to Cefdinir (Omnicef) – 300 mg PO q 12 hours	
Thir	d Generation – Injectable	
Cefotaxime (Claforan)	Restricted to Pediatric Patients: For Adults - Auto-substitute to Ceftriaxone (Rocephin)If patient > 80 kg: 2 gm IV daily -If patient ≤ 80 kg: 1 gm IV daily	
Fourth Generation – Injectable		
Cefepime (Maxipime)	NonFormulary: Auto-substitute to <i>Ceftazidime</i> (<i>Fortaz</i>) with dose adjusted based on indication and renal function.	
	h Generation – Injectable	
Ceftaroline (Teflaro)	NonFormulary: Inform prescriber that this product is a non-formulary item and recommend ceftazidime IV (see dosing recommendations above) and the addition of vancomycin IV per pharmacy dosing if MRSA coverage is desired. An ID Consult must be obtained and an order received from an ID provider prior to dispensing <i>Ceftaroline (Teflaro)</i> .	
C	YCLIC LIPOPEPTIDES	
Ordered As	Substitute	
Daptomycin (Cubicin)	Restricted - ID Consult Required: Inform prescriber that the first 24 hours of doses will be provided; however, an infectious disease consult must be initiated by the prescribing physician at the time the drug is ordered to continue past the first 24 hours.	
	If patient's actual body weight is greater than 120% of ideal body weight, use adjusted body weight to dose daptomycin.	
FLUOROQUINOLONES		
Ordered As	Auto-Substitute To	
Ciprofloxacin (Cipro)	Levofloxacin (Levaquin) with dose adjusted based on	

	renal function.	
250 mg PO hid	500 mg PO daily	
250 mg PO bid		
500 mg PO bid	500 mg PO daily	
750 mg PO bid	750 mg PO daily	
500 mg PO daily (SBP prophylaxis)	500 mg PO daily	
200 mg IV bid	500 mg IV daily	
400 mg IV bid	750 mg IV daily	
Moxifloxacin (Avelox)	Levofloxacin (Levaquin) with dose adjusted based on	
100 00 1 11	renal function.	
400 mg PO daily	750 mg PO daily	
400 mg IV daily	750 mg IV daily	
Norfloxacin (Noroxin)	Levofloxacin (Levaquin) with dose adjusted based on	
100	renal function.	
400 mg PO bid	750 mg PO daily	
400 mg IV daily	750 mg IV daily	
Ofloxacin (Floxin)	Levofloxacin (Levaquin) with dose adjusted based on	
	renal function.	
200 mg PO bid	500 mg PO daily	
300 mg PO bid	500 mg PO daily	
400 mg PO bid	750 mg PO daily	
200 mg IV bid	500 mg IV daily	
400 mg IV bid	750 mg IV daily	
	GLYCOPEPTIDES	
Dalbavancin (Dalvance)	Restricted to ID Specialists: For inpatient use, an ID	
	Consult must be obtained and an order received from	
	an ID provider prior to dispensing	
	Emergency Department Use: May be used in the ED	
	for patients NOT being admitted to the hospital if	
	patient meets approved criteria for use (see	
	FormWeb). No ID consult required if following	
	approved criteria for use. Confirm patient is not being	
	admitted prior to dispensing.	
Vancomycin (Vancocin)	Vancomycin (Vancocin)	
250 mg PO qid	125 mg PO qid	
	GLYCYLCYCLINES	
Ordered As	Substitute	
Tigecycline (Tygacil)	NonFormulary: Inform prescriber that this product is	
	a non-formulary item and recommend ceftazidime IV	
	(see dosing recommendations previously stated) and	
	the addition of vancomycin IV per pharmacy dosing if	
	MRSA coverage is desired. An ID Consult must be	
	obtained and an order received from an ID provider	
	prior to dispensing <i>Tigecycline (Tygacil)</i> .	
LINCOSAMIDES		
Ordered As	Substitute	
Clindamycin (Cleocin)	Clindamycin (Cleocin)	
300 mg IV q 6 hours	600 mg IV q 8 hours	
600 mg IV q 6 hours	900 mg IV q 8 hours	
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900 mg IV q 6 hours	900 mg IV q 8 hours	
	MACROLIDES	
Ordered As	Substitute	
Erythromycin base - Tabs	Erythromycin (Ery-Tab) - Same dose and frequency PO	
Erythromycin ethylsuccinate (EES) - Tabs	NonFormulary: Auto-substitute to <i>Erythromycin</i> (<i>Ery-Tab</i>) - Convert dose (400 mg EES = 250 mg Ery-Tab base); same frequency PO	
Erythromycin (PCE)	NonFormulary: Auto-substitute to <i>Erythromycin</i> (<i>Ery-Tab</i>) - Same dose and frequency PO	
Clarithromycin XL (Biaxin XL) - 1000 mg PO daily	NonFormulary: Clarithromycin (Biaxin) - 500 mg PO q 12 hours	
Fidaxomicin (Dificid)	Restricted - ID or GI Consult Required: Inform prescriber that the first 24 hours of doses will be provided; however, an infectious disease or GI consult must be initiated by the prescribing physician at the time the drug is ordered to continue past the first 24 hours. MISCELLANEOUS	
Ordered As	Substitute	
Fosfomycin (Monurol)	Restricted to ID Specialists: An ID Consult must be obtained and an order received from an ID provider prior to dispensing Non-Pseudomonal ESBL UTIs Uncomplicated non-Pseudomonal ESBL UTIs: Automatically substitute meropenem to nitrofurantoin monohydrate/macrocrystals (Macrobid) 100 mg PO BID. If isolate is resistant to nitrofurantoin or nitrofurantoin is contraindicated, automatically substitute to fosfomycin 3 gm PO x 1 (ID consult is not needed) Be aware that fosfomycin has limited or variable activity against Acinetobacter baumannii, Morganella ssp, Pseudomonas aeruginosa, Stenotrophomonas maltophilia, Bacteroides fragilis, and Fusobacterium ssp. and is not advised for these organisms	
<i>Metronidazole (Flagyl) -</i> 500 mg IV/PO Q6 hours	<i>Metronidazole (Flagyl) -</i> 500 mg IV/PO Q8 hours. For intra-abdominal infections, consider recommending metronidazole 500 mg IV/PO Q12h to the provider.	
OXAZOLIDINONES		
Ordered As	Substitute	
Linezolid (Zyvox)	Restricted - ID Consult Required: Inform prescriber that the first 24 hours of doses will be provided;	

	however, an infectious disease consult must be		
	initiated by the prescribing physician at the time the		
	drug is ordered to continue past the first 24 hours.		
	PENICILLINS		
Ordered As	Substitute		
Ampicillin – PO q 6 hours	Amoxicillin – same dose PO q 8 hours		
Penicillin G Sodium	Penicillin G Potassium – same dose and frequency.		
Oxacillin	NonFormulary: Auto-substitute to Nafcillin – same		
	dose and frequency		
	(Nafcillin is the anti-staphylococcal penicillin of choice)		
Piperacillin-tazobactam (Zosyn)	Inpatient Orders: Auto-substitute to Piperacillin-		
	tazobactam (Zosyn) 3.375 gm extended interval q8h		
	with dose adjusted for renal function.		
Ticarcillin-clavulanate (Timentin)	NonFormulary: Auto-substitute to <i>Piperacillin-</i>		
	tazobactam (Zosyn) 3.375 gm extended interval q8h		
	with dose adjusted for renal function		
STREPTOGRAMINS			
Ordered As	Substitute		
Quinupristin-dalfopristin (Synercid)	NonFormulary: Inform prescriber that this product is		
	a non-formulary item and recommend vancomycin IV		
	per pharmacy dosing. An ID Consult must be obtained		
	and an order received from an ID provider prior to		
	dispensing Quinupristin-dalfopristin (Synercid).		