

ANTIFUNGAL CHART

	Drug	Mechanism	Uses	Adverse/SE	Nursing Implications			
SYSTEMIC	AMPHOTERICIN B	- binds to ergosterol in fungal membrane-causes leakage	-severe systemic infections	-toxic at therapeutic doses -fever & chills, N/V -thrombophlebitis -nephrotoxic -seizures, anemia, hypokalemia	-caution w/ nephrotoxic drugs -IV only—very irritating -incompatible in NaCl solution-D5W only -assess for side effects; monitor VS -monitor IV infusion-too rapid leads to cardiac toxicity -give antiemetics 30 min before drug -acetaminophen before to treat HA			
SUPERFICIAL	AZOLE ANTIFUNGALS	-blocks synthesis of ergosterol	-broad-spectrum antifungal <u>For vaginal infections:</u> -take full course of therapy -avoid tampons during therapy -continue during period -wash hands before & after using med -dose in evening -avoid douching -avoid sexual intercourse or use condom <u>Prevention:</u> -wear clean cotton underwear daily -wipe from front to back -don't douche -avoid bubble baths/soaps -use water-soluble lubricants	-GI, hepatotoxicity, itching, rashes, HA -inhibits steroid/drug metabolism	Ketoconazole& Itraconazole			
	fluconazole ketoconazole itraconazole				-monitor lab inc LFT -avoid H2 blockers or antacids w/i 2 hr period -avoid ETHOL			
	Fluconazole				-monitor BUN, LFT (hepatotoxicity) -monitor for exfoliative skin disorders, thrombocytopenia, GI, HA			
	Terbinafine LAMISIL				-disrupts fungal cell membrane	-problems of nails & scalp	-anorexia, diarrhea, N/V, stomach pain, change in taste	<u>DDIs:</u> -avoid ETHOL -avoid high doses of vit A or niacin -avoid inducers—barbiturates, griseofulvin, phenytoin, rifampin -avoid inhibitors—cimetidine, estrogen, erythromycin, INH, azole antifungals, fluoroquinolones
	Nystatin				-binds to sterols in fungal cell membrane -fungistatic & fungicidal	-oral & vaginal candidiasis	-usually mild—N/V, epigastric, diarrhea	-vaginal tablets may be given PO (leave in mouth until dissolved) -oral-swish & swallow—don't drink after -vaginal-continue med during menstruation
Griseofulvin	-inhibits fungal mitosis	-dermatophytes of hair, skin & nails	-HA, hepatotoxicity, photosensitivity, altered taste, N/V, decr. memory & judgment	-given PO -absorption improved w/ fatty meal -binds to keratin of growing tissues -teratogenic -use birth control				

