Sungbin Ahn
Drug Cards 31-40

Trimethoprim-Sulfamethoxazole (Bactrim)	
Classification:	Indication:
● Sulfonamides ● Urinary tract anti-infective	● Treat UTI, travelers diarrhea ● Treat infections of urinary tract, resp tract, GI tract
Side effects/ adverse reactions:	Nursing Considerations:

● GI: nausea, vomiting, diarrhea, abdominal pain, anorexia, stomatitis, hepatic injury
● CNS: headache, dizziness, vertigo, depression
	● Contraindications
	  ○ Jaundice, haptic failure
	  ○ Renal insufficiency
	  ○ Pregnancy category D
	  ○ Lactation
	● Monitor CBC
	● Obtain cultures prior to initiating therapy
	● Monitor I&O

Vancomycin (Vancocin)	
Classification:	Indication:
● Lipoglycopeptide ● Antibiotics	● Treatment of *Clostridium difficile* colitis ● Treatment of skin infections, bone infections, lower resp tract infections
Side effects/ adverse reactions:	Nursing Considerations:

• Renal failure
• Ototoxicity
• Superinfections, severe pain, thrombophlebitis at injection site
• Hypersensitivity reactions
• GI: Nausea, warmth
• Hypotension accompanied by flushing and erythematous rash on face and upper body ("red neck syndrome")
	• Contraindications
	  ○ Hypersensitivity
	  ○ Previous hearing loss
	  ○ Pregnancy category B
	  ○ Lactation
	• Monitor BP & heart rate
	• Obtain culture prior to therapy
	• Assess for infection
	• Monitor I&O and report changes in ratio and pattern

Gentamicin (Garamycin)	
Classification:	Indication:
• Aminoglycosides	• Treat infections of GI, respiratory, and urinary tracts, gram-negative infections
Side effects/ adverse reactions:	Nursing Considerations:

• Ototoxicity
• CNS: skeletal muscle weakness
• CV: hypotension or hypertension
• GI: nausea, vomiting
• Hematologic: anemia
• Hypersensitivity
• Urogenital: rising BUN, serum creatinine
	• Contraindications
	  ○ Hypersensitivity to vancomycin
	  ○ Previous hearing loss
	  ○ Pregnancy category C
	  ○ Lactation
	• Monitor BP and heart rate
	• Monitor urinalysis, kidney & liver functions, hematologic studies
	• Assess hearing
	• Monitor I&O

Cefaclor (Ceclor)	
Classification:	Indication:
• Cephalosporins - Second Generation • Antibiotic	• Treatment of respiratory tract infections, skin infections, UTIs, otitis media, typhoid fever, anthrax exposure
Side effects/ adverse reactions:	Nursing Considerations:

• Joint pain or swelling, fever, superinfections
• GI: diarrhea, nausea, vomiting, anorexia
• Skin: urticaria, ruritus
	• Contraindications
	  ○ Hypersensitivity
	  ○ Pregnancy category B
	  ○ Lactation
	• Assess infection and allergies
	• Obtain cultures prior to therapy
	• Monitor bowel function
	• May lead to superinfection

Ciprofloxacin (Cipro)	
Classification:	Indication:
• Fluoroquinolones	• Treatment of infections caused by wide spectrum of Gram-negative bacteria • Respiratory, dermatological, urinary tract, ear, eye, bone, joint infections
Side effects/ adverse reactions:	Nursing Considerations:

• GI: nausea, vomiting, diarrhea, cramps, gas
• CNS: headache, vertigo, malaise, seizures
• Skin: rash, phlebitis, pain, burning
• Discomfort, itching
	• Contraindications
	  ○ Hypersensitivity, viral infection, tendon inflammation
	  ○ Pregnancy category C
	  ○ Lactation
	• Monitor urine pH
	• Monitor I&O, keep patient hydrated
	• Assess for S&S of GI irritation & superinfections

Amoxicillin (Amoxil)	
Classification:	Indication:
• Extended-Spectrum Penicillins • Penicillins and Penicillinase-Resistant Antibiotics	• Infections of ear, nose, throat, GU tract, skin, soft tissue • Uncomplicated gonorrhea
Side effects/adverse reactions:	Nursing Considerations:

• Hypersensitivity (rash, anaphylaxis), superinfections
• GI: Diarrhea, nausea, vomiting
• Skin: pruritus, urticaria, skin eruptions
	• Contraindications
	  ○ Hypersensitivity
	  ○ Infectious mononucleosis
	  ○ Pregnancy category B
	  ○ Lactation
	• Monitor S&S of urticarial rash
	• Monitor diarrhea and other S&S of superinfection

Acyclovir (Sitavig, Zovirax)	
Classification:	Indication:
• Agents for Herpes virus and Cytomegalovirus • Antiviral	• Treatment of herpes (HSV-1 and HSV-2), herpes, varicella-zoster virus, Epstein-Barr • Inhibit viral replication
Side effects/ adverse reactions:	Nursing Considerations:

• CNS: headache, light-headedness, fatigue, tremors, confusion, seizures, dizziness
• GI: nausea, vomiting, diarrhea
• Urogenital: acute renal failure
• Skin: rash, burning, irritation
• Inflammation or phlebitis at IV injection site
	• Contraindications
	  ○ Hypersensitivity
	  ○ Pregnancy category B
	  ○ Lactation
	• Monitor I&O and hydration status
	• Monitor baseline and periodic renal function studies
	• Avoid topical drug contact in/around eyes

Azithromycin (Zithromax)	
Classification:	Indication:
• Antibiotics • Macrolides	• Pneumonia, lower respiratory tract infections, gonorrhea, skin infections
Side effects/ adverse reactions:	Nursing Considerations:

• CNS: headache, dizziness
• GI: nausea, vomiting, diarrhea, abdominal pain, hepatoxicity, mild elevations in liver function tests
	• Contraindications
	  ○ Hypersensitivity
	  ○ Pregnancy category B
	  ○ Lactation
	• Monitor for loose stools or diarrhea
	• Monitor PT and INR
	• Minimize direct sunlight exposure
	• Take aluminum/magnesium antacids 2 h before/after drug

Fluconazole (Diflucan)	
Classification:	Indication:
• Systemic Antifungals • Azole Antifungals	• Meningitis • AIDS • Vaginal candidiasis
Side effects/ adverse reactions:	Nursing Considerations:

• CNS: headache
• GI: nausea, vomiting, abdominal pain, diarrhea
• Skin: rash
	• Contraindications
	  ○ Hypersensitivity
	  ○ Pregnancy category C
	  ○ Lactation
	• Monitor for allergic response
	• Monitor BUN, serum creatinine, and liver function
	• Monitor S&S of hepatotoxicity

Metronidazole (Flagyl)	
Classification:	Indication:
• Antiprotozoals	• Skin infections • Trichomonas vaginalis
Side effects/ adverse reactions:	Nursing Considerations:
• Hypersensitivity, fever, joint pains	• Contraindications

• CNS: vertigo, headache, confusion, irritability, depression, fatigue, drowsiness, insomnia • GI: nausea, vomiting, anorexia, abdominal cramps, diarrhea, constipation, dry mouth • Urogenital: polyuria, dysuria, pyuria, incontinence, dryness of vagina and vulva • Nasal congestion • CV: ECG changes (flattening of T wave)	○ Blood dyscrasias ○ Active CNS disease ○ Pregnancy category B ○ Lactation • Discontinue therapy immediately if symptoms of CNS toxicity develop • Monitor for seizures and peripheral neuropathy • Monitor for S/S of sodium retention