Cheatography

Antibiotic Coverage Cheat Sheet by truemanc via cheatography.com/67157/cs/16823/

Bacterial Infections Based on Bugs

Bacterial meningitis - Streptococcus pneumoniae - Neisseria meningitidis - Haemophilus influenzae - Streptococcus agalactiae - Listeria monocytogenes	Bacterial infections	Eye infections Staphylococcus aureus Neisseria gonorrhoeae Chlamydia trachomatis Sinusitis Streptococcus pneumonia Haemophilus influenzae
Otitis media - Streptococcus pneumoniae Pneumonia Community-acquired: - Streptococcus pneumoniae - Haemophilus influenzae - Staphylooccus aureus Atypical: - Mycoplasma pneumoniae - Chlamydia pneumoniae		Upper respiratory tract infection - Streptococcus pyogenes - Haemophilus influenzae Gastritis - Helicobacter pylori - Campylobacter jeju - Salmonella
- Legionella pneumophila Tuberculosis - Mycobacterium tuberculosis	Sexually transmitted	- Shigella - Clostridium - Staphylococcus aureus - Escherichia coli
Skin infections - Staphylococcus aureus - Streptococcus pyogenes - Pseudomonas aeruginosa	 Chlamydia trachomatis Chlamydia trachomatis Neisseria gonorrhoeae Treponema pallidum Ureaplasma urealyticum Haemophilus ducreyi 	 Urinary tract infections Escherichia coli Other Enterobacteriaceae Staphylococcus saprophyticus Pseudomonas aeruginose

When Prophylaxis is Appropriate

Prosthetic heart valve/valvular disease + dental/oral procedures

- infective endocarditis

- GU/GI procedures

Rheumatic fever (recurrence)

People in contact with meningococcal disease

Surgical

People at high risk/in contact with TB

People at high risk/in contact with HIV

Medically Important Microorganisms		
G+/G- cocci		
G+/G- bacilli		
Anaerobes		
Spirochetes		
Mycoplasma		
Chlamydia		

By truemanc

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General AE of ABX Vomiting Severe watery diarrhea Abdominal cramps Allergic rxn Antibiotic Spectra Narrow Active against single or limited group of microorganisms Spectrum Extended Effective against G+ and some G-Spectrum Broad Effective against both G+ and G-Spectrum Static Vs. Cidal **Bacteriostatics Bactericidal** inhibit growth without Kill bacteria causing death PCN (cell wall Sulfonamides (DNA inhibitor) synthesis), Chloramphenicol Can be given to (transcription and patients with COMPROMISED translation) immunity **Relies on INTACT** immune system to clear nongrowing/viable bacteria

Empiric Treatment - Match the Bug to Location G+ cocci Skin G- bacilli Urethras G+, G-, anaerobes Large Intestine

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Drug Distribution

Antibiotic Activity



Site of Action of ABX

Cell Wall Inhibitors	Fosfomycin Cycloserine Vanco PCN CPN Monobactams Carbapenems Ethambutol Pyrrazinamid e Isoniazid
DNA Synthesis & Integrity Inhibitors	Sulfonamides Trimethoprim Quinolones
Transcription & Translation Inhibitors	Rifampin AGs Spectinomyci n Tetracyclines Macrolides Chlorampheni col Streptogramin s Oxazolidinone s

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