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

Not published yet. Last updated 28th August, 2018. Page 1 of 1.

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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