

Gram + bacteria

Gram - bacteria

Aerobic

Cocci:

Streptococcus
Staphylococcus
Enterococcus

Penicillin

Ampicillin

Cloxacillin

Vancomycin, Linezolid

Bacilli:

Bacillus (i.e. anthrax)
Listeria
Nocardia
Corynebacterium (i.e. diphtheria)

Clindamycin

1st gen cephalosporins

2nd gen cephalosporins

3rd gen cephalosporins

4th gen cephalosporins

Septa, Tetracyclines

Macrolides

Flouroquinolones

Levo ←

→ Cipro

Carbapenems,
Pip-Tazo

Diplococci:

Neisseria (i.e. gonorrhoea, meningitidis)
Moraxella (i.e. catarrhalis)

Aztreonam

Aminoglycosides (ie. Gent)

Bacilli:

Enterobacteriaceae (i.e. *E. coli*, *Shigella*, *Klebsiella*, *Yersinia*, *Salmonella*, *Serratia*)
Hemophilus *Pseudomonas*

Anaerobic

Cocci:

Pepto-streptococcus

Bacilli:

Clostridium
Lactobacillus
Actinomyces
Propionibacterium

Clindamycin

Metronidazole

Diplococci:

Veilonella

Bacilli:

Bacteroides
Fusobacterium

Atypicals: not seen on gram stain

-*Treponema pallidum* (spirochete)

-*Chlamydia* (*C. trachomatis*, *C. pneumoniae*)

Treat with:

Macrolides -*Mycoplasma* (no cell wall)

Tetracyclines -*Mycobacteria spp* (i.e. *M. tuberculosis*, *M. leprae*)

Flouroquinolones -*Rickettsia*