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| **Comments** | **Spectrum of activity** | **Name of Antifungal Agents** | **Mechanism of action** | **Group** | **Target** |
| Serious toxic side effects  (nephrotoxicity) | Broad antifungal spectrum which includes most fungi | Amphotericin B,  Nystatin | Binds to ergosterol within cell membrane, formation of pores which lead to cell death | Polyene s | **Cell membrane** |
| Not effective against zygomycosis (except posaconazole)  Adverse Effects  Drug Interactions | Variable antimycotic activity\*  **Fluconazole** has a limited or no activity against mould fungi  **Voriconazol** is the drug of choice for Aspergillosis  **Posaconazole** has a broader spectrum of activity than other azoles | Ketoconazole  Itraconazole  Fluconazole  Voriconazole  Posaconazole  Miconazole  clotrimazole | Inhibit the synthesis of ergosterol | Azole s |
| Safer than amphotericin B and azoles | Good activity against  *Candida spp* ,*Aspergillus spp*  Limited or no activity against other fungi | Caspofungin  Micafungin  Anidulafungin | Inhibits glucan synthasis,  (glucan polymers in the fungal cell wall) | Echinocandins | **Cell wall** |
| Monotherapy now limited (Resistance) | Restricted spectrum of activity  *Candida* species  *Cryptococcus neoformans* | Flucytosine | Fungal RNA miscoding  Interfering with DNA synthesis | Pyrimidine analogues | **DNA/RNA synthesis** |

**Anti fungal agents**