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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 MicafunginAnidulafungin | 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 miscodingInterfering with DNA synthesis | Pyrimidine analogues | **DNA/RNA synthesis**  |

**Anti fungal agents**