

3/15/2016

CONTENTS

Introduction xiii

ANTIBACTERIAL AGENTS

1. Aminoglycosides (aminocyclitols) <i>C. Carbon, E. Collatz and G. Humbert</i>	1
2. Antimycobacterial drugs <i>P.R.J. Gangadharam and M.D. Iseman</i>	17
3. Aztreonam <i>J.D. Williams</i>	41
4. β -Lactamase inhibitors <i>I.M. Gould and R. Wise</i>	51
5. The cephalosporins and cephamycins <i>C.C. Sanders and W.E. Sanders Jr</i>	66
6. Chloramphenicol <i>J.G. Bartlett</i>	91
7. Fusidanes <i>D. Greenwood</i>	97
8. Lincosamides <i>P.E. Hermans</i>	103
9. Macrolides <i>R.W. Auckenthaler, A. Zwahlen and F.A. Waldvogel</i>	115
10. Metronidazole <i>D.N. Gerding</i>	127
11. Nitrofurantoin <i>K.L. Vosti</i>	132
12. Penems and carbapenems <i>S.R. Norrby</i>	138

Contents

- | | |
|---|-----|
| 13. Penicillins
<i>G.M. Eliopoulos</i> | 144 |
| 14. Quinolones
<i>T. Bergan</i> | 164 |
| 15. Rifampin
<i>J.E. Kapusnik and M.A. Sande</i> | 179 |
| 16. Tetracyclines
<i>D.N. Williams</i> | 188 |
| 17. Trimethoprim and sulfonamides
<i>W.T. Hughes</i> | 197 |
| 18. Vancomycin
<i>K.B. Crossley</i> | 205 |

ANTIFUNGAL AGENTS

- | | |
|---|-----|
| 19. Flucytosine
<i>C.A. Kauffman</i> | 213 |
| 20. The imidazoles: miconazole, ketoconazole
<i>D.L. Calhoun and J.N. Galgiani</i> | 218 |
| 21. The polyene macrolide antifungal drugs
<i>A.M. Sugar</i> | 229 |

ANTIPARASITIC AGENTS

- | | |
|--|-----|
| 22. Albendazole, mebendazole and levamisole
<i>G.B.A. Okelo</i> | 245 |
| 23. Drug treatment of amebiasis
<i>D.A. Katzenstein</i> | 252 |
| 24. Diethylcarbamazine
<i>B.M. Greene</i> | 258 |
| 25. Drugs used in the treatment and prevention of malaria
<i>P. Nguyen-Dinh and C.C. Campbell</i> | 265 |

26. Pentamidine <i>J.E. Kapusnik and J. Mills</i>	277
27. Praziquantel <i>J.R.A. Brandt, V. Kumar and S. Geerts</i>	287
28. Drugs used in the treatment of schistosomiasis <i>P.L. Gigase and P. Demedts</i>	295
29. Drugs used in the treatment of toxoplasmosis <i>R.G. Brooks and J.S. Remington</i>	304
30. Drugs used in the treatment of human African trypanosomiasis <i>L. Eyckmans and M. Wéry</i>	314

ANTIVIRAL AGENTS

31. Acyclovir <i>H.H. Balfour Jr</i>	322
32. Amantadine and rimantadine <i>R. Dolin</i>	335
33. Interferons <i>K.L. Hartshorn and M.S. Hirsch</i>	344
34. Ribavirin <i>C.B. Hall</i>	358
35. Vidarabine <i>G.J. Galasso</i>	370

CURRENT TOPICS IN ANTIMICROBIAL THERAPY

36. Antimicrobial therapy of infections in patients with acquired immunodeficiency syndrome <i>C.B. Wofsy</i>	377
37. Therapeutic principles in the management of bacterial meningitis <i>V. Quagliariello and W.M. Scheld</i>	401

Contents

38. Antibiotic-induced hemostatic abnormalities <i>G.J. Johnson</i>	408
39. Antimicrobial therapy of infective endocarditis <i>W.R. Wilson</i>	420
40. Treatment of gonorrhoea <i>J.D. Oriel</i>	436
41. Effects of antibiotics on phagocytic cell functions <i>D. Milatovic</i>	446
42. Practical considerations in the clinical use of new antimicrobial agents <i>S.L. Barriere and G.F. Brooks</i>	458
43. The use of antibiotics in patients with renal insufficiency <i>G.R. Matzke and W.F. Keane</i>	472
44. Treatment of methicillin-resistant staphylococcal infections <i>J.J. Rahal</i>	489
45. Antibiotic tissue penetration <i>L.R. Peterson and D.N. Gerding</i>	515
46. Present trends in the development of antiviral agents <i>E. De Clercq</i>	526
47. Therapeutic value of combinations of antibiotics <i>J. Klastersky, B. Regnier and J.F. Acar</i>	538
Subject index <i>H. Kettner</i>	555