

Contents

Preface	iii
Acknowledgments	xi
New Drugs Evaluated for Fifth Edition	xix
Investigational Drugs and Uses in Fifth Edition	xxi

I GENERAL INFORMATION

1.	Prescription Practices and Regulatory Agencies	1
	Prescription Practices	1
	Patient Medication Instructions	1
	Patient Container Label	2
	Compliance	2
	Prescription Cost	3
	Refills	4
	Accidental Poisoning	4
	Improper Prescription Practices	5
	Prescribing Controlled Psychotropic Drugs	7
	Official and Regulatory Agencies	11
2.	Drug Interactions and Adverse Drug Reactions	17
	Drug Interactions	17
	Mechanisms	17
	Potentially Serious Undesirable Drug Interactions	20
	Adverse Drug Reactions	20
	Classification	20
	Avoiding Adverse Drug Reactions	30
	Adverse Drug Reactions During Pregnancy	31
	Adverse Drug Reactions During Breast Feeding	43
	Reporting Adverse Drug Reactions	44
3.	Drug Response Variation and Dosing Information	47
	Pharmacokinetics	47
	Influence of Diet and Environmental Chemicals on Response to Drugs	52
	Influence of Pharmacogenetics on Response to Drugs	53
	Influence of Disease on Response to Drugs	56
	Renal Impairment	57
	Hepatic Impairment	58
	Cardiovascular and Other Disease States	60
	Influence of Age on Response to Drugs	60
	Pediatric Patients	60
	Geriatric Patients	63

II NERVOUS SYSTEM-SPECIAL SENSES DRUGS

Drugs Used for Relief of Pain and Inflammation

4. General Analgesics 67
5. Antiarthritic Drugs 107
6. Drugs Used in Gout and Hyperuricemia 139
7. Drugs Used to Treat Migraine and Other Headaches 153
8. Drugs Used in Central Pain Syndromes 167

Psychopharmacologic Drugs

9. Drugs Used for Anxiety and Sleep Disorders 171
10. Antipsychotic Drugs 213
11. Drugs Used in Affective Disorders 241
12. Drugs Used in Other Mental Disorders 275

Neurologic Drugs

13. Anticonvulsants 295
14. Drugs Used in Extrapyrarnidal Movement Disorders 329
15. Drugs Used to Treat Skeletal Muscle Disorders 353

Anesthetic Drugs

16. Local Anesthetics 373
17. General Anesthetics 395
18. Adjuncts to Anesthesia 419

Ophthalmic Drugs

19. Agents Used to Treat Glaucoma 445
20. Mydriatics and Cycloplegics 467
21. Ocular Anti-infective and Anti-inflammatory Agents 481
22. Miscellaneous Ophthalmic Preparations 497

Otologic Drugs

23. Drugs Used in Vertigo, Motion Sickness, and Vomiting 515
24. Topical Otic Preparations 541

III RESPIRATORY DRUGS

25. Decongestant, Cough, and Cold Preparations 549
26. Drugs Used in Bronchial Disorders 577

IV CARDIOVASCULAR-RENAL DRUGS

27. Agents Used to Treat Congestive Heart Failure 601
28. Antiarrhythmic Agents 623
29. Antianginal Agents 651
30. Agents Used in Miscellaneous Cardiovascular Disorders 669
31. Agents Used to Treat Shock 685
32. Antihypertensive Agents 699
33. Diuretics 741
34. Agents Used to Treat Urologic Disorders 767

V HEMATOLOGIC AGENTS

- 35. Agents Used to Treat Deficiency Anemias 793
- 36. Anticoagulants 811
- 37. Thrombolytics 829
- 38. Blood, Blood Components, and Blood Substitutes 837
- 39. Hemostatics 855

VI ENDOCRINE AND METABOLIC AGENTS**Hormones and Agents Affecting Hormonal Mechanisms**

- 40. Adrenal Corticosteroids in Endocrine Dysfunction 873
- 41. Adrenal Corticosteroids in Nonendocrine Diseases 887
- 42. Androgens and Anabolic Steroids 913
- 43. Estrogens and Progestins 931
- 44. Contraceptive Agents 957
- 45. Agents Used to Treat Infertility 985
- 46. Agents Related to Anterior Pituitary and Hypothalamic Function 1005
- 47. Agents Used to Regulate Blood Glucose 1023
- 48. Agents Used to Treat Thyroid Disease 1053
- 49. Agents Affecting Water Homeostasis 1075
- 50. Uterine Stimulants and Relaxants 1085

Metabolic and Nutrient Agents

- 51. Replenishers and Regulators of Water and Electrolytes 1105
- 52. Vitamins and Minerals 1121
- 53. Parenteral and Enteral Nutrition 1155
- 54. Agents Affecting Calcium Metabolism 1195
- 55. Agents Used to Treat Hyperlipidemia 1219
- 56. Agents Used in Obesity 1247

VII GASTROINTESTINAL AGENTS

- 57. Agents Used in Disorders of the Upper Gastrointestinal Tract 1261
- 58. Agents Used in Disorders of the Lower Intestinal Tract 1281
- 59. Laxatives and Cathartics 1295
- 60. Agents Used in Disorders of the Liver, Biliary Tract, and Pancreas 1311
- 61. Miscellaneous Gastrointestinal Agents 1325

VIII DERMATOLOGIC AGENTS

- 62. Dermatologic Preparations 1339

IX ANTIALLERGIC, ANTIVIRAL, AND IMMUNOLOGIC AGENTS

- 63. Agents for Active Immunity 1399
- 64. Agents for Passive Immunity 1423
- 65. Immunomodulators 1433
- 66. Agents Used to Treat Viral Infections 1451
- 67. Histamine and Antihistamines 1465

X ONCOLYTIC AGENTS

68. Antineoplastic Agents 1481

XI ANTIMICROBIAL AGENTS

69. Penicillins 1563
70. Cephalosporins and Related Compounds 1617
71. Aminopenicillins 1643
72. Macrolide and Lincosamide Antibiotics 1651
73. Tetracyclines 1667
74. Aminoglycosides and Spectinomycin 1683
75. Polymyxins 1707
76. Miscellaneous Antibacterial Agents 1713
77. Sulfonamides and Trimethoprim 1721
78. Urinary Tract Antiseptics 1743
79. Antimycobacterial Agents 1753
80. Antifungal Agents for Systemic Mycoses 1779

XII ANTIPARASITIC AGENTS

81. Antiprotozoal Agents 1789
82. Anthelmintics 1819
83. Scabicides and Pediculicides 1847

XIII POISONING

84. Drugs Used in the Treatment of Poisoning 1857

XIV APPENDIX

- Manufacturers 1881