

Contents

Part 1: Pharmacology Basics

Study Guide

1. The Nursing Process and Drug Therapy 1
2. Pharmacologic Principles 4
3. Lifespan Considerations 7
4. Cultural, Legal, and Ethical Considerations 10
5. Medication Errors: Preventing and Responding 13
6. Patient Education and Drug Therapy 15
7. Over-the-Counter Drugs and Herbal and Dietary Supplements 18
8. Gene Therapy and Pharmacogenomics 21
9. Photo Atlas of Drug Administration 23

Part 2: Drugs Affecting the Central Nervous System

10. Analgesic Drugs 26
11. General and Local Anesthetics 29
12. Central Nervous System Depressants and Muscle Relaxants 32
13. Central Nervous System Stimulants and Related Drugs 34
14. Antiepileptic Drugs 36
15. Antiparkinson Drugs 39
16. Psychotherapeutic Drugs 41
17. Substance Abuse 44

Part 3: Drugs Affecting the Autonomic Nervous System

18. Adrenergic Drugs 46
19. Adrenergic-Blocking Drugs 48
20. Cholinergic Drugs 50
21. Cholinergic-Blocking Drugs 53

Part 4: Drugs Affecting the Cardiovascular and Renal Systems

22. Antihypertensive Drugs 55
23. Antianginal Drugs 58
24. Heart Failure Drugs 60
25. Antidysrhythmic Drugs 62
26. Coagulation Modifier Drugs 64
27. Antilipemic Drugs 67
28. Diuretic Drugs 69
29. Fluids and Electrolytes 72

Part 5: Drugs Affecting the Endocrine and Reproductive Systems

30. Pituitary Drugs 74
31. Thyroid and Antithyroid Drugs 77

32. Antidiabetic Drugs 80
33. Adrenal Drugs 83
34. Women's Health Drugs 85
35. Men's Health Drugs 88

Part 6: Drugs Affecting the Respiratory System

36. Antihistamines, Decongestants, Antitussives, and Expectorants 90
37. Respiratory Drugs 92

Part 7: Antifungal and Antiinflammatory Drugs

38. Antibiotics Part 1 94
39. Antibiotics Part 2 97
40. Antiviral Drugs 99
41. Antitubercular Drugs 101
42. Antifungal Drugs 103
43. Antimalarial, Antiprotozoal, and Anthelmintic Drugs 105
44. Antiinflammatory and Antigout Drugs 107

Part 8: Chemotherapeutic Drugs and Biologic and Immune Modifiers

45. Antineoplastic Drugs Part 1: Cancer Overview and Cell Cycle-Specific Drugs 109
46. Antineoplastic Drugs Part 2: Cell Cycle-Nonspecific Drugs and Miscellaneous Drugs 112
47. Biologic Response-Modifying and Antirheumatic Drugs 114
48. Immunosuppressant Drugs 116
49. Immunizing Drugs 118

Part 9: Drugs Affecting the Gastrointestinal System and Nutrition

50. Acid-Controlling Drugs 121
51. Bowel Disorder Drugs 123
52. Antiemetic and Antinausea Drugs 126
53. Vitamins and Minerals 128
54. Anemia Drugs 130
55. Nutritional Supplements 132

Part 10: Dermatologic, Ophthalmic, and Otic Drugs

56. Dermatologic Drugs 135
57. Ophthalmic Drugs 137
58. Otic Drugs 139

Overview of Dosage Calculations 141

Answer Key 165