

Contents

SECTION 1: Basics of Pharmacotherapy in Neonates, Infants, and Children

1. Principles 3
2. Rational Drug Therapy 21
3. Therapeutic Drug Monitoring 25
4. Certain Golden Rules of Safe Pediatric Drug Therapy 28

SECTION 2: General and Systemic Medications

5. Analgesics/Antipyretics/Nonsteroidal Anti-inflammatory Drugs..... 33
6. Antacids 44
7. Anti-acne Drugs 46
8. Antiasthma Drugs/Bronchodilators..... 48
9. Anticancer (Antineoplastic) Drugs 60
10. Anticoagulants 68
11. Anticonvulsants..... 73
12. Antidiarrheals..... 89
13. Antiemetics..... 95
14. Antifibrillatory Drugs..... 100
15. Antihistaminic Drugs 108
16. Antihypertensive Drugs 119
17. Antimyasthenic Drugs 132
18. Antireflux Drugs..... 135
19. Antipsychotic Drugs 141
20. Antispasmodics/Antiflatulence Drugs 146
21. Antitoxins 151
22. Antitussives and Cough Expectorants 154
23. Cardiotonic Drugs 157
24. Chelating Agents 164

25. Colony-stimulating Factors.....	168
26. Diuretics.....	171
27. Drugs for Attention-deficit Hyperactivity Disorder.....	177
28. Drugs for Apnea of Prematurity.....	180
29. Drugs for Bleeding Control.....	182
30. Drugs for Endocrinal Disorders/Hormones/Enzymes.....	185
31. Drugs for Gout.....	198
32. Drugs for Vertigo.....	201
33. Hematinics.....	203
34. Immunoglobulins.....	209
35. Macrominerals.....	217
36. Micronutrients.....	221
37. Muscle Relaxants.....	224
38. Nasal Decongestants.....	227
39. Nutritional Supplements.....	229
40. Plasma Volume Expanders.....	231
41. Stool Softeners/Laxatives.....	235
42. Vasodilators.....	238
43. Vitamins.....	241

SECTION 3: Drugs for Infectious Diseases

44. Antibacterial Drugs (Antibiotics).....	251
45. Antimycobacterial Drugs.....	314
46. Antiviral Drugs.....	332
47. Antifungal Drugs.....	352
48. Antiparasitic (Intestinal) Drugs.....	359
49. Antiparasitic (Extraintestinal) Drugs.....	373

SECTION 4: Unclassified Drugs

50. Miscellaneous Drugs.....	391
------------------------------	-----

SECTION 5: Drug Therapy in Neonates

- 51.** Drug Dosage in Neonates **407**
52. Emergency Drugs in Neonates **424**

SECTION 6: Pharmacotherapy in Pediatric Emergencies

- 53.** Important Emergency Drugs..... **429**
54. Pharmacotherapy of Common Pediatric Emergencies..... **432**

SECTION 7: Immunization and Vaccines

- 55.** Conventional and New Vaccines for Routine Use **459**
56. Combination Vaccines **491**
57. Immunization Schedules in India **495**
58. Adverse Events Following Immunization **502**

SECTION 8: Drugs for Neutralizing Toxicity/Poisoning of Chemical Agents

- 59.** Specific Antidotes..... **507**

SECTION 9: Adverse Drug Reactions

- 60.** Adverse Drug Reactions Specific to Certain Drugs **513**

APPENDICES: Useful Information Related to Pediatric Drug Therapy

- Appendix 1:** Principles of Drug Administration in Infants and Young Children **541**
Appendix 2: Various Solutions Used in the Treatment of Dehydration and Dyselectrolytemia **543**
Appendix 3: Drugs in Treatment/Prevention of Fetal Disease **544**
Appendix 4: Therapeutic Range of Some Drugs..... **545**
Appendix 5: Drugs Excreted into Breast Milk..... **547**
Appendix 6: Drugs that Discolor the Stools **550**

Appendix 7:	Drugs that Discolor the Urine	551
Appendix 8:	Drugs Likely to Cause Hemolysis in G6PD Deficiency.....	553
Appendix 9:	Drugs that may Cause Peculiar Side Effects.....	555
Appendix 10:	Drug Groups with Adverse Effects on Vitamin Status	556
Appendix 11:	Potential Drug Interaction with Chemotherapy	558
Appendix 12:	Banned Single-dose Drug Combinations (in India).....	560
Appendix 13:	Banned Fixed Dose Drug Combinations with Other Agents (in India).....	563
Appendix 14:	Nomogram for Estimation of Surface Area.....	564
Appendix 15:	Weight to Surface Area Conversion Chart.....	566
	<i>Index</i>	567