Contents

Section 1: Emergency Resuscitation

1. Cardiopulmonary Arrest ---------- 3
2. Cardiopulmonary Resuscitation ---------- 5
3. Neonatal Resuscitation ---------- 22

Section 2: Respiratory Emergencies

4. Choking (FB Airway Obstruction) ---------- 29
5. Stridor (Upper Airway Obstruction) ---------- 32
6. Respiratory Distress (Lung Failure) ---------- 40
7. Hypoventilation (Pump Failure) ---------- 67

Section 3: Cardiovascular Emergencies

8. Acute Congestive Heart Failure ---------- 77
9. Circulatory Failure (Shock) ---------- 83
10. Cardiac Arrhythmias ---------- 96
11. Cardiac Tamponade ---------- 104
12. Duct-dependent CHD ---------- 106
13. Paroxysmal Hypercyanotic Attacks (Cyanotic Spells) ---------- 108
14. Systemic Hypertensive Crisis ---------- 110
15. Acute Pulmonary Hypertension ---------- 113
16. Postoperative Cardiac Surgery ---------- 114

Section 4: Neurologic Emergencies

17. Status Epilepticus ---------- 117
18. Coma (Brain Failure) ---------- 123
19. Increased Intracranial Pressure ---------- 136

Section 5: Metabolic Emergencies

20. Temperature Abnormalities ---------- 147
21. Water Imbalance ---------- 152
22. Acid-base Disorders ---------- 156
23. Electrolyte Disorders ---------- 163
24. Acute Renal Failure ---------- 170
25. Acute Hepatic Failure ---------- 178
26. Diabetic Ketoacidosis ---------- 183
27. Acute Suprarenal Failure ---------- 190

Section 6: Hematologic Emergencies

28. Acute Blood Loss ---------- 195
29. Acute Hemolytic Anemia ---------- 197
30. Disseminated Intravascular Coagulation (DIC) ---------- 201
31. Oncologic Emergencies ---------- 203

Section 7: Digestive Emergencies

32. Severe Gastroenteritis ---------- 209
33. Gastrointestinal Bleeding ---------- 214
34. Acute Abdominal Pain ---------- 217

Section 8: Serious Infections

35. Serious Focal Infections ---------- 223
36. Fulminant Sepsis or Septicemia ---------- 226

Section 9: Serious Injuries

37. Major Trauma ---------- 235
38. Burn Injuries ---------- 241
39. Drowning and Near-drowning ---------- 246
40. Poisoning ---------- 251

Section 10: Neonatal Emergencies

41. Neonatal Respiratory Distress ---------- 259
42. Neonatal Convulsions ---------- 268
43. Neonatal Sepsis or Septicemia ---------- 276
44. Early-onset Neonatal Jaundice ---------- 279
45. Serious Neonatal Vomiting ---------- 284

Section 11: Therapeutic Intervention

46. Drug Therapy ---------- 289
47. I.V. Fluid Therapy ---------- 298
48. Transfusion Therapy ---------- 301
49. Nutritional Therapy ---------- 304
50. Oxygen Therapy ---------- 309
51. Aerosol Therapy ---------- 317
52. Chest Physiotherapy and Suctioning ---------- 319
53. Mechanical Ventilatory Support ---------- 323
54. Acute Peritoneal Dialysis ---------- 344

SECTION 12: PEDIATRIC ICU EQUIPMENT

55. Airway Equipment ---------- 355
56. Oxygenation Equipment ---------- 357
57. Ventilation Equipment ---------- 359
58. Circulation Equipment ---------- 361
59. Monitoring Equipment ---------- 362
60. Diagnostic Equipment ---------- 364

SECTION 13: PEDIATRIC ICU ENVIRONMENT

61. Pediatric Intensive Care Unit Design ---------- 369
62. Bed Settings ---------- 372
63. Infection Control ---------- 374
64. Teamwork and Recording ---------- 378

Index ---------- *379*