SECTION 1: CURRENT TRENDS AND ISSUES IN CHILD HEALTH NURSING

Chapter 1: Introduction to Child Health 3
- Historical Development of Pediatrics and Pediatric Nursing in India 3
- Contemporary Issues and Trends in Child Health Care 7
- Current Principles in Pediatric Nursing 10
- Current Status of Child Health in India 10
- National Goals and National Health Policy for Children 13
- Five Year Plans for Children 18
- Role of Pediatric Nurse 20

Chapter 2: Cultural, Traditional, Ethical and Legal Issues in Pediatric Care 29
- Cultural and Traditional Aspects of Pediatric Care 29
- Ethical Issues in Pediatric Care 35
- Decision-making Models 42
- Parents’ and Children’s Rights 49
- Rights of Children 51
- Consumer Protection Act and the Medical Profession 54
- Special Laws and Ordinance Related to Children 55

Chapter 3: Prenatal Pediatrics 68
- Embryological and Fetal Development 68
- Prenatal Factors Influencing Growth and Development of Fetus 73
- Genetic Assessment and Screening 76
- Genetic Counseling 79
- Legal and Ethical Aspects of Genetic Screening and Counseling 81
- Genetic Disorders 82
- Nursing Process 99

Chapter 4: Growth and Development 102
- Principles of Growth and Development 103
- Patterns of Growth and Development 104
- Factors Influencing Growth and Development 105
- Stages of Growth 109
- Growth Charts 111
- Stages and Theories of Development 112
- Theoretical Approaches to Child Development 114
Contents

Textbook of Child Health Nursing

- Play Needs for Different Age Groups 116
- Infant Development (Up to 1 Year) 120
- Toddler Development 124
- Preschoolers Development (3–5 Years) 127
- School Age (5–12 Years) Child Development 132
- Middle School-age Childhood (9–11 Years of Age) 133
- Adolescent (12–19 Years) 135
- Importance of Growth and Development for Nurses 139

Chapter 5: Preventive Pediatrics 140
- Concept, Aims and Scope of Preventive Pediatrics 140
- Maternal Health and its Influence on Child Health 142
- Maternal and Child Health Program 148
- National Health Programs Related to Child Health 150
- National Health Programs for Non-communicable Diseases in Children 162
- National and International Agencies for Child Health 164
- National Voluntary Health Agencies 165
- International Voluntary Health Agencies 166

Chapter 6: Nutrition in Children 170
- Nutritional Requirements for Children 170
- Changing Patterns of Feeding 172
- Breastfeeding 176
- Complementary Feeding 177
- Feeding in Exceptionally Difficult Circumstances 180
- Human Milk Banking 181
- National Nutritional Programs 182

Chapter 7: Hospitalized Child 189
- Meaning of Hospitalization in Childhood 189
- Factors Affecting Children’s Reaction to Hospitalization 189
- Stressors and Reactions Related to Developmental Stages 190
- Effects of Hospitalization on Family 193
- Play, Activities and Recreation for the Hospitalized Child 194
- Nurse’s Role in Caring for the Hospitalized Child 195

Chapter 8: Education and Training in Pediatric Care 199
- Staff Orientation Program 199
- In-service Education Program 200
- Clinical Teaching 203
SECTION 2: IMNCI STRATEGY

Chapter 9: Integrated Management of Neonatal and Childhood Illnesses 209
- The IMNCI Strategy 209
- Outpatient Management of Young Infants Age Up to 2 Months 211
- Outpatient Management of Children, Aged from 2 Months to 5 Years 215
- Immunization Status 218
- Principles of Management of Sick Children in a Small Hospital 219

SECTION 3: HEALTH DEVIATIONS

Chapter 10: Nursing Care of the Child with Respiratory Disorders 225
- Variations in Pediatric Anatomy and Physiology 225
- Common Medical Interventions 227
- Overview of the Nursing Process for the Child with Respiratory Disorder 227
- Acute Infectious Diseases 234
- Acute Noninfectious Diseases 246
- Structural Anomalies 248
- Chronic Diseases 249

Chapter 11: Nursing Care of the Child with Neurological Disorders 257
- Variations in Pediatric Anatomy and Physiology 257
- Common Medical Interventions 258
- Nursing Process Overview for the Child with Neurologic Disorder 260
- Seizure Disorders 268
- Structural Defects 272
- Infectious Disorders 276

Chapter 12: Nursing Care of the Child with Gastrointestinal Disorders 283
- Variations in Pediatric Anatomy and Physiology 283
- Common Medical Interventions 284
- Nursing Process for the Child with Gastrointestinal Disorder 284
- Structural Anomalies of the Gastrointestinal Tract 291
- Acute Gastrointestinal Disorders 296
- Chronic Gastrointestinal Disorders 304
- Hepatic Disorders 310

Chapter 13: Nursing Care of the Child with Cardiovascular Disorders 316
- Variations in Pediatric Anatomy and Physiology 316
- Common Medical Interventions 317
- Nursing Process Overview for the Child with Cardiovascular Disorder 319
- Disorders of the Heart in a Child 326
- Congenital Heart Diseases 326
- Acquired Cardiovascular Disorders 346
- Heart Transplantation 351
Chapter 14: Nursing Care of the Child with Renal Disorders 354
- Variations in Pediatric Anatomy and Physiology 354
- Common Medical Interventions 355
- Nursing Process Overview for the Child with Renal Disorder 357
- Structural Disorders 361
- Urinary Tract Infection 363
- Acquired Disorder Resulting in Altered Renal Function 365
- Dialysis and Transplantation 370

Chapter 15: Nursing Care of the Child with Neoplastic Disorders 374
- Childhood Cancer versus Adult Cancer 375
- Common Medical Interventions 376
- Nursing Process Overview for the Child with Neoplastic Disorder 379
- Leukemia 384
- Lymphomas 387
- Brain Tumors 388
- Neuroblastoma 390
- Bone and Soft Tissue Tumors 390
- Screening for Reproductive Cancers in Adolescents 394

Chapter 16: Nursing Care of the Child with Communicable Disorders 396
- Process of Infection 396
- Variations in Pediatric Anatomy and Physiology 399
- Common Medical Interventions 400
- Nursing Process Overview for the Child with Communicable Disease 400
- Common Communicable Diseases in Children 406

Chapter 17: Nursing Care of the Child with Hematologic Disorders 420
- Variations in Pediatric Anatomy and Physiology 420
- Common Medical Interventions 421
- Nursing Process Overview for the Child with Hematologic Disorder 422
- Anemia 426
- Hemoglobinopathies 428
- Clotting Disorders 432

Chapter 18: Nursing Care of the Child with Endocrine Disorders 437
- Variations in Anatomy and Physiology 437
- Common Medical Interventions 438
- Nursing Process Overview for the Child with Endocrine Disorder 438
- Pituitary Disorders 444
- Disorders of Thyroid Gland Function 450
- Disorders Related to Parathyroid Gland Function 453
- Disorders Related to Adrenal Gland Function 454
- Disorders of the Pancreas 457
**Chapter 19: Nursing Care of the Child with Disorders of the Eyes or Ears**
- Variations in Pediatric Anatomy and Physiology 463
- Common Medical Interventions 464
- Nursing Process Overview for the Child with a Disorder of the Eyes or Ears 464
- Infectious and Inflammatory Disorders of the Eyes 467
- Eye Injuries 470
- Visual Disorders 471
- Retinopathy of Prematurity 475
- Visual Impairment 475
- Otitis Media 476
- Otitis Externa 479
- Hearing Loss and Deafness 480

**Chapter 20: Nursing Care of the Child with Integumentary Disorders**
- Variations in Pediatric Anatomy and Physiology 483
- Common Medical Interventions 484
- Nursing Process Overview for the Child with Integumentary Disorder 484
- Infectious Disorders 487
- Seborrhea 491
- Scabies 492
- Psoriasis 494
- Acne 495
- Injuries 497

**Chapter 21: Nursing Care of the Child with Musculoskeletal Disorders**
- Variations in Pediatric Anatomy and Physiology 503
- Common Medical Interventions 505
- Nursing Process Overview for the Child with Musculoskeletal Disorder 511
- Congenital and Developmental Disorders 514
- Acquired Disorders 518
- Scoliosis 522

**SECTION 4: CARE OF NEWBORN AND CRITICALLY ILL CHILD**

**Chapter 22: Neonatal and High-risk Newborn Nursing**
- First Six Hours: A Transitional Period 530
- Fetal Circulation 531
- Physiological Chances of Newborn 532
- Characteristics of Newborn 534
- Newborn Assessment 539
- Care of the Newborn at the Time of Birth 543
- Nursing Care in Special Situations 552
Contents

Textbook of Child Health Nursing

- High-risk Newborn: Concepts, Goals and Principles 552
- High-risk Newborn: Identification, Classification and Nursing Management 554
- Nursing Care of High-risk Newborn 557
- Transport of Neonates 561
- Identification and Classification of Neonatal Infections 562
- Postmaturity 570
- Babies of Diabetic Mothers 571
- Babies of Drug Abused Mothers 572
- Respiratory Conditions in High-risk Newborn 574
- Respiratory Distress Syndrome 575
- Hypoxic Ischemic Encephalopathy 576
- Birth Trauma 578
- Neonatal Seizures 580
- Hypocalcemia, Hypoglycemia and Hypomagnesemia 580
- Hemolytic Diseases of Newborn 582
- Hemorrhagic Disease of the Newborn (OR) Vitamin K Deficiency Bleeding 585

Chapter 23: Planning and Organization of Intensive Care Units for Children 588

- Concept of Critical Care Nursing 588
- Principles of Critical Care Nursing 589
- Planning and Organization of Neonatal Intensive Care Unit 590
- Delivery of Neonatal Care 592
- Triage or Three-tiered System of Neonatal Care 592
- Organization of Pediatric Intensive Care Unit 598

Chapter 24: Intensive Care for Pediatric Clients 603

- Stabilization and Monitoring of Pediatric Clients 603
- Provision of Care in ICU 604
- Nutritional Needs of Critically Ill Child 615
- Nosocomial Infections and their Control in Critical Care Units 627

Chapter 25: Crisis and Nursing Intervention 631

- Family-centered Care 631
- Sources of Parental Stress 632
- Identified Parental Needs and Coping Strategies 634
- Intervention Strategies 636

SECTION 5: BEHAVIORAL AND SOCIAL PEDIATRICS

Chapter 26: Developmental Disturbances 645

- Causes of Behavioral Disorders 645
- Heuristic Model of Processes Underlying the Impact of Chronic Adversities 646
- Feeding Problems 647
- Habit Disorders 651
Contents

- Speech Problems 656
- Sleep Disorders 658
- Educational Problems 659
- Adjustment Problems 660
- Antisocial Problems 661
- Sexual Problems 662
- Management of Behavior Disorder 662

Chapter 27: Challenged Child 665
- Consequences of Disabled Children 666
- Rights of the Disabled Child 666
- Rehabilitation 667
- Hospitals and Institutes Handling Disabilities 669
- Mental Retardation 669
- Nursing Management of Child with Mental Health Disorder (Including Behavioral Disorders) 672

Appendices 675
- Appendix 1: Growth Charts 675
- Appendix 2: Denver Development Screening Test 679
- Appendix 3: Hematological Reference Values 679
- Appendix 4: Dietary Reference Values 681
- Appendix 5: Physiology Data Reference Values 681

Index 683