



# Contents

## UNIT ONE: Introduction to Maternity and Pediatric Nursing

- 1 Introduction to Maternity and Pediatric Nursing, 1
  - Roles in Maternal–Child and Pediatric Nursing, 3*
  - Legalities and Ethics, 3*
  - Informed Consent, 5*
  - Family-Centered Care, 6*
  - Evidence-Based Practice, 7*
  - Special Considerations in Pediatric Nursing, 8*
  - Critical Thinking and Clinical Judgment in Maternal Child Nursing, 9*
- 2 Culture, 11
  - The Importance of Cultural Awareness and Knowledge in Nursing and Health-Care Delivery, 12*
  - Worldview, 15*
  - Culturally Appropriate Assessment, 17*
- 3 Women's Health Promotion Across the Life Span, 20
  - Preventive Health Care for Women, 21*
  - Menstrual Disorders, 21*
  - Family Planning, 26*
  - Infertility Care, 31*
  - Menopause, 33*
  - Female Reproductive Tract Disorders, 34*
  - Infectious Disorders of the Reproductive Tract, 35*
  - Pelvic Floor Disorders, 38*

## UNIT TWO: Pregnancy and the Family

- 4 Human Reproduction and Fetal Development, 43
  - Female Reproductive System, 44*
  - Male Reproductive System, 47*
  - Fertilization, 49*
  - Stages of Fetal Development, 50*
  - Accessory Structures of Pregnancy, 53*
  - Multiple Pregnancy, 55*
  - Effects of Teratogens on Fetal Development, 56*
- 5 Physical and Psychological Changes of Pregnancy, 60
  - Diagnosis of Pregnancy, 61*
  - Normal Physiological Changes in Pregnancy, 61*
  - Psychological Adaptation to Pregnancy, 70*
- 6 Nursing Care During Pregnancy, 75
  - Initial Prenatal Assessment, 76*
  - Prenatal Assessment and Care, 79*
- 7 Promoting a Healthy Pregnancy, 87
  - Focus on the Patient, 88*
  - Promotion of Self-Care During Pregnancy, 89*
  - Avoiding Infections, 92*
  - Nutrition in Pregnancy, 95*

- Care of the Pregnant Adolescent, 96*
  - Care of LGBTQ+ Patients, 97*
  - Care of the Expectant Woman Older Than Age 35, 98*
  - Focus on the Fetus, 98*
  - Focus on the Growing Family, 102*
- 8 Nursing Care of the Woman With Complications During Pregnancy, 106
    - Care of the Woman With Hyperemesis Gravidarum, 107*
    - Care of the Woman With Bleeding Disorders of Early Pregnancy, 108*
    - Care of the Woman With Bleeding Disorders of Late Pregnancy, 112*
    - Care of the Woman With Incompetent Cervix, 116*
    - Care of the Woman With Rh Incompatibility Between Maternal and Fetal Blood, 117*
    - Care of the Woman With a Multiple Gestation Pregnancy, 118*
    - Care of the Woman With Hypertensive Disorders, 119*
    - Care of the Woman With Gestational Diabetes, 125*

## UNIT THREE: Birth and the Family

- 9 Nursing Care During Labor and Childbirth, 131
  - The Physiology of Labor, 132*
  - Critical Factors in Labor, 134*
  - Maternal Systemic Response to Labor, 138*
  - Fetal Response to Labor, 139*
  - Stages of Labor and Birth, 139*
  - Settings for Childbirth, 143*
  - Admission to the Hospital or Birthing Center, 144*
  - Fetal Monitoring, 148*
  - Pain Management in Labor and Birth, 152*
- 10 Nursing Care of the Woman With Complications During Labor and Birth, 166
  - Care of the Woman at Risk of Preterm Labor, 167*
  - Care of the Woman With Premature Rupture of Membranes, 170*
  - Care of the Woman With a Postterm Pregnancy, 171*
  - Care of the Woman With Abnormal Amniotic Fluid Volume, 171*
  - Labor-Related Complications, 172*
  - Emergencies and Complications During Birth, 179*
  - Care of the Family Experiencing Perinatal Loss, 182*
- 11 Birth-Related Procedures, 187
  - Amniotomy, 188*
  - Amnioinfusion, 189*
  - External Cephalic Version, 189*
  - Care of the Woman Undergoing Induction or the Augmentation of Labor, 191*
  - Assisted Vaginal Birth, 194*
  - Cesarean Birth, 196*

## UNIT FOUR: Postpartum Period and the Family

- 12 Postpartum Nursing Care, 201
  - Postpartum Physical Adaptations, 202*
  - Nursing Care During the Early Postpartum Period, 205*
  - Postpartum Psychological Adaptations, 210*
  - Development of Family Attachment, 210*
- 13 Postpartum Complications, 215
  - Care of the Woman With Postpartum Hemorrhage, 216*
  - Care of the Woman With a Hematoma, 218*
  - Care of the Woman With a Uterine Infection, 220*
  - Care of the Woman With a Wound Infection, 221*
  - Care of the Woman With a Urinary Tract Infection, 222*
  - Care of the Woman With Mastitis, 222*
  - Care of the Woman With Postpartum Thromboembolic Disease, 223*
  - Care of the Woman With Postpartum Depression, 224*
  - Care of the Woman With a Postpartum Psychiatric Disorder, 225*

## UNIT FIVE: The Newborn

- 14 Physiological and Behavioral Adaptations of the Newborn, 227
  - Physiological Adaptations, 228*
  - Behavioral Adjustment to Extrauterine Life, 235*
- 15 Nursing Care of the Newborn, 238
  - Physical Examination of the Newborn, 239*
  - Nursing Care of the Newborn, 249*
  - Discharge Teaching for Newborn Care, 252*
- 16 Newborn Nutrition, 259
  - Recommended Infant Nutrition, 260*
  - The Breastfeeding Mother and Infant, 261*
  - The Formula-Feeding Parents and Infant, 267*
- 17 Nursing Care of the Newborn at Risk, 270
  - Identification of the At-Risk Newborn, 271*
  - Care of the Newborn at Risk Because of Birth Asphyxia, 271*
  - Care of the Newborn With Respiratory Distress, 273*
  - Care of the Newborn With Cold Stress, 275*
  - Neonatal Hypoglycemia, 275*
  - Care of the Newborn With Birth Injuries, 275*
  - Hyperbilirubinemia, 277*
  - Care of the Newborn With an Infection, 279*
  - Care of Newborns With Problems Related to Gestational Age and Development, 280*
  - Care of the Infant of a Diabetic Mother, 284*
  - Care of Chemically Exposed Infants, 286*
  - Care of the Newborn Exposed to HIV, 288*
  - Care of the Family of an At-Risk Newborn, 288*

## UNIT SIX: Growth and Development

- 18 Health Promotion of the Infant: Birth to 1 Year, 292
  - Growth and Development of the Infant, 294*
  - Anticipatory Guidance for New Parents of an Infant, 305*
  - Screening and Health Promotion for the Infant, 306*
  - Safety and the Hospitalized Infant, 308*
  - Disease and Injury Prevention for the Infant, 311*
  - Disorders of the Infant, 312*
- 19 Health Promotion of the Toddler, 317
  - Growth and Development of the Toddler, 318*
  - Anticipatory Guidance for Parents of the Toddler, 327*
  - Screening and Health Promotion for the Toddler, 331*
  - Injury Prevention for the Toddler, 332*
  - Disorders of the Toddler, 332*
- 20 Health Promotion of the Preschooler, 338
  - Growth and Development of the Preschooler, 339*
  - Anticipatory Guidance for Parents With a Preschooler, 349*
  - Screening and Health Promotion for the Preschooler, 352*
  - Safety and the Hospitalized Preschooler, 352*
  - Injury Prevention for the Preschooler, 353*
  - Disorders of the Preschooler, 353*
- 21 Health Promotion of the School-Aged Child, 359
  - Growth and Development of the School-Aged Child, 360*
  - Anticipatory Guidance for Parents of a School-Aged Child, 366*
  - Concerns of the School-Aged Child, 366*
  - Injury Prevention for the School-Aged Child, 369*
  - Screening and Health Promotion for the School-Aged Child, 371*
  - Safety and the Hospitalized School-Aged Child, 372*
- 22 Health Promotion of the Adolescent, 374
  - Growth and Development of the Adolescent, 375*
  - Legal Issues in Adolescent Health Care, 382*
  - Anticipatory Guidance for Parents of the Adolescent, 382*
  - Screening and Health Promotion for the Adolescent, 384*
  - Injury Prevention for Adolescents, 384*
  - Challenges in Adolescence, 385*

## UNIT SEVEN: Pediatric Concerns and Considerations

- 23 Nursing Care of the Hospitalized Child, 389
  - Hospital Settings for Children Versus Adults, 391*
  - Play Therapy and Child Life Specialists, 395*
  - Providing a Safe Environment, 396*
  - Pain Management, 396*
  - Hospital Procedures With Children in Mind, 403*
  - Feeding Considerations for Hospitalized Children, 405*
  - Administering Medications to Hospitalized Children, 407*
  - Specimen Collection, 410*

- Guidelines for Parents Administering Medications at Home*, 411
- Discharge Procedures*, 412
- 24 **Acutely Ill Children and Their Needs**, 415
- Providing Safety at the Bedside*, 416
- Responding to Emergencies*, 418
- Higher Level of Equipment Provided in the Hospital Environment*, 426
- Caring for Families Present During Emergencies*, 428
- Rapid Response Teams*, 429
- Helpful Emergency Response Mnemonics*, 430
- Assessing an Acutely Ill Child*, 430
- Chain of Command and Request for a Higher Level of Care*, 430
- 25 **Adapting to Chronic Illness and Supporting the Family Unit**, 436
- Defining Chronic Illness and its Scope*, 437
- Chronic Illnesses by Body System*, 439
- Establishment of a Therapeutic Relationship*, 439
- Symptoms Associated With Childhood Chronic Illness*, 440
- Examples of Care Environments for Chronically Ill Children*, 441
- Assisting Children in Coping With Chronic Illness*, 442
- The Effect of Chronic Illness on the Family*, 443
- The Effect of a Chronic Disease on Parenting*, 444
- The Effect of a Chronic Disease on Siblings*, 445
- 26 **The Abused Child**, 451
- Child Abuse Global Perspectives*, 453
- Child Abuse and Prevention*, 453
- Types of Abuse*, 454
- Factitious Disorder Imposed on Another*, 457
- Abuse Statistics*, 458
- Fatal Abuse*, 458
- Prevention of Child Abuse*, 458
- Medical and Nursing Management of Child Abuse*, 459
- Nursing Considerations and Care*, 461
- Human Trafficking*, 461
- UNIT EIGHT: Deviations in Pediatric Health**
- 27 **Child With a Neurological Condition**, 464
- The Development of the Nervous System*, 465
- Common Neurological Disorders During Childhood*, 469
- The Senses*, 472
- Congenital Neurological Disorders*, 472
- Neurological Injuries*, 474
- Other Neurological Disorders*, 483
- 28 **Child With a Sensory Impairment**, 495
- The Development of Visual Acuity*, 497
- Visual Impairment*, 497
- Disorders of the Eye*, 502
- The Development of Hearing*, 503
- Hearing Impairment*, 503
- Disorders of the Ear*, 506
- Overall Nursing Considerations for a Child With a Sensory Impairment*, 507
- 29 **Child With a Mental Health Condition**, 511
- Attention Deficit-Hyperactivity Disorder*, 513
- Autism Spectrum Disorder*, 514
- Feeding and Eating Disorders*, 516
- Anxiety, Mood Disorders, and Schizophrenia*, 518
- Other Types of Mental Health Disorders*, 523
- 30 **Child With a Respiratory Condition**, 529
- The Development of the Respiratory Tract*, 530
- Health History*, 530
- Physical Evaluation*, 531
- Respiratory Abnormalities*, 533
- Interventions for a Child With Respiratory Difficulties*, 534
- Oxygen Therapy Guidelines*, 534
- Interventions to Assist a Child With Respiratory Distress*, 535
- Common Respiratory Disorders*, 536
- 31 **Child With a Cardiac Condition**, 546
- The Development of the Cardiovascular System*, 547
- Introduction to Cardiac Conditions*, 550
- General Nursing Care of the Child With a Cardiac Condition*, 552
- System-Focused Nursing Care*, 553
- Cardiac Disorders*, 553
- 32 **Child With a Metabolic Condition**, 563
- The Endocrine Glands*, 564
- Common Endocrine Gland Disorders*, 565
- Diabetes Mellitus*, 568
- Inborn Errors of Metabolism*, 575
- 33 **Child With a Musculoskeletal Condition**, 579
- The Development of the Musculoskeletal System*, 580
- Common Childhood Injuries*, 581
- Childhood Screening for Musculoskeletal Conditions*, 583
- Common Musculoskeletal Disorders: Congenital Disorders*, 589
- Common Musculoskeletal Disorders: Acquired Disorders*, 592
- 34 **Child With a Gastrointestinal Condition**, 598
- The Development of Gastrointestinal Abnormalities*, 599
- Health History*, 599
- Physical Assessment*, 600
- Common Gastrointestinal Disorders*, 601
- 35 **Child With a Genitourinary Condition**, 620
- The Development of the Genitourinary System*, 622
- Renal Function*, 622
- Fluid Maintenance Requirements*, 624

	<i>Dehydration</i> , 626		Appendix A: Best Practices for Medication
	<i>Common Genitourinary Disorders</i> , 627		Administration for Pediatric Patients, 705
36	Child With a Skin Condition, 637		<i>Developmental Guidelines</i> , 706
	<i>Skin and Childhood</i> , 638		Appendix B: Thirty-Five Types of Medical Errors and
	<i>Special Considerations for Skin Disorders</i> , 639		Tips for Preventing Harm: Quality and Safety
	<i>Common Skin Disorders</i> , 641		Imperatives for Nurses Caring for Patients Across
37	Child With a Communicable Disease, 659		the Developmental Period, 708
	<i>Vaccines</i> , 661		Appendix C: Conversion Factors, 711
	<i>Common Communicable Disorders</i> , 663		Appendix D: Common Medication Administration
	<i>Nonimmunizable Communicable Illnesses</i> , 676		Calculations in Pediatrics, 712
38	Child With an Oncological or Hematological		<i>Examples of Math/Conversions</i> , 712
	Condition, 683		Glossary, 714
	<i>Introduction to Hematological Conditions</i> , 684		Credits, 726
	<i>The Development of the Hematological System</i> , 684		Index, 727
	<i>Common Hematological Abnormalities and Disorders</i> , 687		References R-1 to R-28
	<i>Transfusion Therapy</i> , 694		
	<i>Common Oncological Disorders</i> , 696		