Unit 1
Introduction to Maternity, Newborn, and Women’s Health Nursing

Chapter 1
Contemporary Issues and Trends in Maternal, Newborn, and Women’s Health

Maternal and Women’s Health Care
  Perspectives, 4
  Past Trends, 4
  Current Trends, 5
  Future Trends/Needs for Women’s Health, 7

Health Care Indicators, 7
  Mortality Rates, 8
  The Report Card on Women’s Health, 10
  Improving Women’s Health, 13

Social Issues, 13
  Poverty and Women, 13
  Barriers to Accessing Health Care, 13
  Violence and Women, 15

Legal and Ethical Issues, 15
  Abortion, 16
  Substance Abuse, 16
  Fetal Therapy, 16

Nursing Management, 17

Chapter 2
Community-Based Care

Concepts of Community, 22

Community-Based Nursing
  Community-Based Nursing Roles, 23
  Community-Based Nursing Interventions, 23
  Community-Based Nursing Challenges, 23

Community-Based Nursing Care for Women and Infants, 26
  Prenatal Care, 26
  Care During Labor and Delivery, 27
  Postpartum and Newborn Care, 28
  Women’s Health Care, 30

Levels of Prevention in Community-Based Nursing, 30
  Primary Prevention, 30
  Secondary Prevention, 31
  Tertiary Prevention, 31
  The Nurse’s Role in Community-Based Preventive Care, 31

Cultural Issues in Community-Based Care, 32
  Characteristics of Culture, 32
  Culturally Competent Nursing Care, 33

Unit 2
Women’s Health Throughout the Lifespan

Chapter 3
Anatomy and Physiology of the Reproductive System

Female Reproductive Anatomy and Physiology, 46
  Internal Female Reproductive Organs, 46
  External Female Reproductive Organs, 48
  Erection, Lubrication, and Orgasm, 50
  Breasts, 50

The Female Reproductive Cycle, 50
  Ovarian Cycle, 51
  Endometrial Cycle, 53
  Menstrual Cycle Hormones, 53

Male Reproductive System, 54
  Internal Male Reproductive Organs, 54
  External Male Reproductive Organs, 55
  Erection, Orgasm, and Ejaculation, 56

Chapter 4
Common Reproductive Issues

Menstrual Disorders, 60
  Amenorrhea, 60
  Dysmenorrhea, 61
  Dysfunctional Uterine Bleeding, 64
  Premenstrual Syndrome, 65
  Endometriosis, 68

Infertility, 69
  Etiology and Risk Factors, 69
  Assessment, 70
  Treatment, 72
  Nursing Management, 72

Contraception, 75
  Behavioral Methods, 76
  Barrier Methods, 84
  Hormonal Methods, 85
  Abortion, 89
  Sterilization, 91
  Nursing Management, 91

Menopause, 97
  Assessment, 98
  Treatment, 98
  Nursing Management, 100

Summary, 101
Sexual Violence, 193
Characteristics and Types of Sexual Violence, 194
Impact of Sexual Violence, 197
Nursing Management, 198
Assessment, 198
Nursing Diagnosis, 201
Interventions, 201
Summary, 204

Unit 3
Pregnancy ............................................. 209

Chapter 10
Fetal Development and Genetics ................. 211

Fetal Development, 212
Preembryonic Stage, 212
Embryonic Stage, 214
Fetal Stage, 218
Fetal Circulation, 218

Genetics, 219
Advances in Genetic Science, 219
Basics of Genetics, 221
Chromosomal Abnormalities, 222
Inheritance Patterns, 225
Nursing Management, 227

Summary, 230

Chapter 11
Maternal Adaptation
During Pregnancy .................................. 235

Signs and Symptoms of Pregnancy, 236
Subjective (Presumptive) Signs, 236
Objective (Probable) Signs, 236
Positive Signs, 238

Physiologic Adaptations
During Pregnancy, 238
Reproductive System Adaptations, 238
General Body System Adaptations, 239

Psychosocial Adaptations
During Pregnancy, 246
Maternal Emotional Responses, 246
Maternal Role Tasks, 247
Pregnancy and Sexuality, 247
Pregnancy and the Partner, 247
Pregnancy and Siblings, 248

Chapter 12
Nursing Management
During Pregnancy .................................. 253

Preconception Care, 254
Nursing Management, 254

The First Prenatal Visit, 255
Comprehensive Health History, 255
Physical Examination, 260
Laboratory Tests, 263

Follow-Up Visits, 265
Fundal Height Measurement, 265
Fetal Movement Determination, 265

Summary, 274

Unit 4
Labor and Birth ..................................... 305

Chapter 13
Labor and Birth Process .......................... 307

Initiation of Labor, 308
Premonitory Signs of Labor, 308
Cervical Changes, 308
Lightening, 308
Increased Energy Level, 308
Bloody Show, 309
Braxton Hicks Contractions, 309
Spontaneous Rupture of Membranes, 309
True Versus False Labor, 309
Factors Affecting the Labor Process, 310
Passageway, 310
Passenger, 311
Powers, 318
Psychological Response, 319
Position (Maternal), 319
Philosophy, 320
Partners, 320
Patience, 321
Patient Preparation, 321
Pain Control, 321
Physiologic Responses to Labor, 322
Maternal Responses, 322
Fetal Responses, 322
Stages of Labor, 322
First Stage, 323
Second Stage, 324
Third Stage, 325
Fourth Stage, 325

Chapter 14
Nursing Management During Labor and Birth 331
Admission Assessments, 332
Maternal Health History, 333
Physical Examination, 333
Laboratory Studies, 335
Evaluation of Labor Progress, 335
Maternal Assessment, 335
Fetal Assessment, 338
Comfort Promotion and Pain Management, 347
Nonpharmacologic Measures, 347
Pharmacologic Measures, 352
Nursing Management During Labor and Birth, 357
Nursing Management During the First Stage of Labor, 357
Nursing Management During the Second Stage of Labor, 359
Nursing Management During the Third Stage of Labor, 368
Nursing Management During the Fourth Stage of Labor, 369

Unit 5
Postpartum Period 377

Chapter 15
Maternal Adaptation During the Postpartum Period 379
Maternal Physiologic Adaptations, 380
Reproductive System Adaptations, 380
Cardiovascular System Adaptations, 382
Urinary System Adaptations, 383
Gastrointestinal System Adaptations, 383
Musculoskeletal System Adaptations, 384
Integumentary System Adaptations, 384
Respiratory System Adaptations, 384
Endocrine System Adaptations, 384
Psychological Adaptations, 386
Maternal Adaptations, 386
Paternal Adaptations, 387

Chapter 16
Nursing Management During the Postpartum Period 393
Nursing Management During the Postpartum Period, 396
Assessment, 396
Nursing Interventions, 403

Unit 6
The Newborn 429

Chapter 17
Newborn Adaptation 431
Physiologic Adaptations, 432
Cardiovascular System Adaptations, 432
Respiratory System Adaptations, 434
Body Temperature Regulation, 434
Hepatic System Function, 437
Gastrointestinal System Adaptations, 439
Renal System Changes, 439
Immune System Adaptations, 439
Integumentary System, 440
Neurologic System Adaptations, 440
Behavioral Adaptations, 441
Behavioral Patterns, 441
Newborn Behavioral Responses, 442

Chapter 18
Nursing Management of the Newborn 447
Nursing Management During the Immediate Newborn Period, 449
Assessment, 449
Nursing Interventions, 453
Nursing Management During the Early Newborn Period, 457
Assessment, 457
Nursing Interventions, 467

Unit 7
Childbearing at Risk 497

Chapter 19
Nursing Management of Pregnancy at Risk: Pregnancy-Related Complications 499
Bleeding During Pregnancy, 500
Spontaneous Abortion, 501
Ectopic Pregnancy, 503
Gestational Trophoblastic Disease, 506
Cervical Insufficiency, 508
Placenta Previa, 509
Abruptio Placenta, 512
Hyperemesis Gravidarum, 515
Causes, 515
Clinical Manifestations, 515
Treatment, 516
Nursing Management, 517
Gestational Hypertension, 518
Classifications, 518
Causes, 518
Pathophysiologic Events, 519
Clinical Manifestations, 519
Treatment, 520
Nursing Management, 521
HELLP Syndrome, 526
Causes, 526
Clinical Manifestations, 526
Treatment, 527
Nursing Management, 527
Gestational Diabetes, 527
Blood Incompatibility, 527
Nursing Management, 528
Hydramnios, 528
Causes, 528
Clinical Manifestations, 528
Treatment, 528
Nursing Management, 529
Oligohydramnios, 529
Causes, 529
Clinical Manifestations, 529
Treatment, 529
Nursing Management, 529
Premature Rupture of Membranes, 530
Cause, 531
Clinical Manifestations, 531
Treatment, 531
Nursing Management, 531
Preterm Labor, 532
Cause, 532
Clinical Manifestations, 533
Treatment, 533
Nursing Management, 533

Chapter 20
Nursing Management of the Pregnancy at Risk: Preexisting Conditions 543
Diabetes Mellitus, 544
Classification of Diabetes, 544
Effects of Diabetes on Pregnancy, 545
Pregestational Diabetes, 546
Gestational Diabetes, 549
Nursing Management, 550
Cardiovascular Disorders, 552
Effects of Heart Disease on Pregnancy, 552
Classification of Heart Disease, 553
Clinical Manifestations, 553
Congenital Heart Conditions, 553
Acquired Heart Disease, 555
Treatment, 556
Nursing Management, 556
Chronic Hypertension, 557
Respiratory Conditions, 558
Asthma, 558
Tuberculosis, 559
Hematologic Conditions, 560
Iron Deficiency Anemia, 560
Thalassemia, 561
Sickle Cell Anemia, 561
Infections, 562
Cytomegalovirus, 562
Rubella, 563
Herpes Simplex Virus, 564
Hepatitis B Virus, 564
Varicella Zoster virus, 565
Parvovirus B19, 565
Group B Streptococcus, 566
Toxoplasmosis, 566
Special Populations at Risk, 567
Pregnant Adolescent, 567
The Pregnant Woman Over Age 35, 570
Women Who Are HIV Positive, 571
The Pregnant Woman With Substance Abuse, 574

Chapter 21
Nursing Management of Labor and Birth at Risk 585
Dysfunctional Labor, 586
Problems With the Powers, 587
Problems With the Passenger, 588
Problems With the Passageway, 591
Problems With Psyche, 592
Nursing Management, 592
Postterm Labor and Birth, 595
Nursing Management, 595
Women Requiring Induction and Augmentation of Labor, 596
Considerations for Induction, 596
Nursing Management, 599
Intrauterine Fetal Demise, 602
Nursing Management, 602
Obstetric Emergencies, 603
Umbilical Cord Prolapse, 603
Placental Abruption, 604
Uterine Rupture, 604
Amniotic Fluid Embolism, 604
Women Requiring Birth-Related Procedures, 605
Amnioinfusion, 605
Forceps- or Vacuum-Assisted Birth, 606
Cesarean Birth, 606
Vaginal Birth After Cesarean, 608

Chapter 22
Nursing Management of the Postpartum Woman at Risk 613
Postpartum Hemorrhage, 614
Etiology, 614
Nursing Management, 616
Thromboembolic Conditions, 618
Etiology, 620
Nursing Management, 620
Postpartum Infection, 621
Etiology, 622
Clinical Manifestations, 622
Metritis, 622
Wound Infections, 622
Urinary Tract Infections, 622
Mastitis, 624
Nursing Management, 624
Postpartum Emotional Disorders, 627
Postpartum or Baby Blues, 627
Postpartum Depression, 627
Postpartum Psychosis, 628
Nursing Management, 629

Unit 8
The Newborn at Risk .............................. 635

Chapter 23
Nursing Management of the Newborn
With Special Needs: Variations in
Gestational Age and Birthweight .............. 637
Birthweight Variations, 638
Small-for-Gestational-Age Newborns, 639
Large-for-Gestational-Age Newborns, 641
Nursing Management of the Newborn
With Birthweight Variations, 642
Gestational Age Variations, 642
Postterm Newborn, 643
Preterm Newborn, 644
Nursing Management of the Newborn
With Gestational Age Variations, 646

Chapter 24
Nursing Management of the Newborn
at Risk: Acquired and Congenital
Newborn Conditions .............................. 663
Acquired Disorders, 664
Neonatal Asphyxia, 664
Transient Tachypnea of the Newborn, 666
Respiratory Distress Syndrome, 667
Meconium Aspiration Syndrome, 669
Persistent Pulmonary Hypertension
of the Newborn, 670
Bronchopulmonary Dysplasia, 671
Retinopathy of Prematurity, 672
Periventricular-Intraventricular
Hemorrhage, 672
Necrotizing Enterocolitis, 673
Infants of Diabetic Mothers, 674
Birth Trauma, 679
Newborns of Substance-Abusing
Mothers, 681
Hyperbilirubinemia, 687
Newborn Infections, 693

Congenital Conditions, 695
Congenital Heart Disease, 695
Inborn Errors of Metabolism, 698
Congenital CNS Structural Defects, 698
Respiratory System Structural
Anomalies, 701
Gastrointestinal System Structural
Anomalies, 703
Genitourinary System Structural
Anomalies, 706
Musculoskeletal System Structural
Anomalies, 707
Glossary, 717
Answers to Worksheet Questions, 729
Appendix A Standard Laboratory Values, 769
Appendix B Clinical Paths, 772
Appendix C Cervical Dilation Chart, 778
Appendix D Weight Conversion Charts, 780
Appendix E Breast-Feeding and
Medication Use, 782
Index, 785