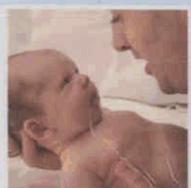
# **ESSENTIALS OF** MATERNITY, NEWBORN, AND WOMEN'S HEALTH NURSING

Susan Scott Ricci

# Second Edition







# **CONTENTS**

### UNIT ONE

Introduction to Maternity, Newborn, and Women's Nursing 1

### CHAPTER 1

Perspectives on Maternal, Newborn, and Women's Health Care 3

Evolution of Maternal and Newborn Nursing 4
Early Development 4
Current Trends 4

Core Concepts of Maternal, Newborn, and Women's Health Nursing 4

Family-Centered Care 6
Evidence-Based, Case-Managed Care 7

Health Status 7 Mortality 8 Morbidity 9

Factors Affecting Maternal, Newborn, and Women's Health 10

Family 11
Genetics 11
Society 11
Culture 14
Health Care Cost Containment 17
Improvements in Diagnosis and Treatments 17
Empowerment of Health Care Consumers 18

#### Barriers to Health Care 18

Finances 18
Transportation 18
Language and Culture 18
Health Care Delivery System 18

Legal and Ethical Issues in Maternal, Newborn, and Women's Health Care 19

Abortion 19 Substance Abuse 19 Fetal Therapy 19 Informed Consent 20 Confidentiality 21

Implications for Nurses 21

### CHAPTER 2

Family-Centered Community-Based Care 24

Family-Centered Care 25

Community-Based Care 25
Community Health Nursing 25
Community-Based Nursing 26
Levels of Prevention in Community-Based Nursing 28
Cultural Issues in Community-Based Nursing 29
Use of Complementary and Alternative Medicine 31

Community-Based Nursing Care Settings 32

Prenatal Care 33 Labor and Birth Care 34 Postpartum and Newborn Care 36 Women's Health Care 37

Roles and Functions of the Community-Based Nurse 38

Communicator 38
Direct Care Provider 39
Educator 40
Discharge Planner and Case Manager 41
Advocate and Resource Manager 41

### UNITTWO

Women's Health Throughout the Lifespan 45

# CHAPTER ${\cal J}$

Anatomy and Physiology of the Reproductive System 47

Female Reproductive Anatomy and Physiology 48
External Female Reproductive Organs 48

Internal Female Reproductive Organs 49

Breasts 52 Female Sexual Response 52

The Female Reproductive Cycle 52

Menstruation 53 Reproductive Cycle 53 Menopause 56

Male Reproductive Anatomy and Physiology 57

External Male Reproductive Organs 57 Internal Male Reproductive Organs 57 Male Sexual Response 59

# CHAPTER 4

### Common Reproductive Issues 62

### Menstrual Disorders 63

Amenorrhea 63 Dysmenorrhea 64 Dysfunctional Uterine Bleeding 67 Premenstrual Syndrome 68 **Endometriosis 71** 

### Infertility 74

Cultural Considerations 75 Etiology and Risk Factors 75 Therapeutic Management 75 Nursing Assessment 76 Nursing Management 78

### Contraception 80

Types of Contraceptive Methods 80 Nursing Management of the Woman Choosing a Contraceptive Method 96

#### Abortion 101

Surgical Abortion 102 Medical Abortion 102

### Menopause 103

Therapeutic Management 103 Nursing Assessment 107 Nursing Management 107

# CHAPTER 5

### Sexually Transmitted Infections 113

Sexually Transmitted Infections and Adolescents 114 Nursing Assessment 115 Nursing Management 115

Infections Characterized by Vaginal Discharge 115 Vulvovaginal Candidiasis 115 Trichomoniasis 121 Bacterial Vaginosis 122

Infections Characterized by Cervicitis 124

Chlamydia 124 Gonorrhea 124

Infections Characterized by Genital Ulcers 126

Genital Herpes Simplex 126 Syphilis 127

Pelvic Inflammatory Disease 128

Therapeutic Management 129 Nursing Assessment 129 Nursing Management 130

Human Papillomavirus 130

Nursing Assessment 130

Therapeutic Management 131 Nursing Management 132

### Vaccine-Preventable STIs: Hepatitis A and B 132

Therapeutic Management 132 Nursing Assessment 132 Nursing Management 133

### Ectoparasitic Infections 133

### Human Immunodeficiency Virus (HIV) 134

HIV and Adolescents 134 Clinical Manifestations 135 Diagnosis 135 Therapeutic Management 136 Nursing Management 136

### Prevention of Sexually Transmitted Infections 138

Behavior Modification 139 Contraception 139

# CHAPTER 6

### Disorders of the Breasts 143

### Benign Breast Disorders 144

Fibrocystic Breast Changes 144 Fibroadenomas 146 Intraductal Papilloma 148 Duct Ectasia 148 Mastitis 149

### Malignant Breast Disorders 150

Pathophysiology 150 Risk Factors 151 Diagnosis 152 Therapeutic Management 154 Nursing Process for the Patient With Breast Cancer 158

# CHAPTER 7

### Benign Disorders of the Female Reproductive Tract 169

Pelvic Support Disorders 170 Pelvic Organ Prolapse 170 Urinary Incontinence 176

#### Benign Growths 179

Polyps 179 Uterine Fibroids 180 Genital Fistulas 182 Bartholin's Cysts 183 Ovarian Cysts 184

# CHAPTER &

### Cancers of the Female Reproductive Tract 189

Nursing Process Overview for the Woman With Cancer of the Reproductive Tract 190

### Ovarian Cancer 194

Pathophysiology 195 Screening and Diagnosis 195 Therapeutic Management 196 Nursing Assessment 196 Nursing Management 197

### Endometrial Cancer 198

Pathophysiology 198
Screening and Diagnosis 198
Therapeutic Management 198
Nursing Assessment 200
Nursing Management 200

#### Cervical Cancer 201

Pathophysiology 201 Screening and Diagnosis 202 Therapeutic Management 202 Nursing Assessment 203 Nursing Management 205

### Vaginal Cancer 207

Pathophysiology 207
Therapeutic Management 207
Nursing Assessment 207
Nursing Management 207

#### Vulvar Cancer 208

Pathophysiology 208
Screening and Diagnosis 209
Therapeutic Management 209
Nursing Assessment 209
Nursing Management 209

# CHAPTER 9

### Violence and Abuse 214

### Intimate Partner Violence 215

Incidence 215
Background 216
Characteristics of Intimate Partner Violence 216
Types of Abuse 217
Myths and Facts About Intimate Partner Violence 217
Abuse Profiles 217
Violence Against Pregnant Women 218
Violence Against Older Women 219
Nursing Management 220

### Sexual Violence 225

Sexual Abuse 225 Incest 226 Rape 227 Female Genital Mutilation 230 Human Trafficking 231

### Summary 231

### UNIT THREE

Pregnancy 235

# CHAPTER 10

### Fetal Development and Genetics 237

Fetal Development 238
Preembryonic Stage 238
Embryonic Stage 241
Fetal Stage 244
Fetal Circulation 244

### Genetics 245

Advances in Genetics 245 Inheritance 247 Patterns of Inheritance 249 Chromosomal Abnormalities 252

# Genetic Evaluation and Counseling 255 Nursing Roles and Responsibilities 257

# CHAPTER 11

### Maternal Adaptation During Pregnancy 263

Signs and Symptoms of Pregnancy 264
Subjective (Presumptive) Signs 264
Objective (Probable) Signs 265
Positive Signs 265

# Physiologic Adaptations During Pregnancy 266 Reproductive System Adaptations 266 General Body System Adaptations 268

# Changing Nutritional Needs of Pregnancy 274 Nutritional Requirements During Pregnancy 277 Maternal Weight Gain 279 Nutrition Promotion 280 Special Nutritional Considerations 280

### Psychosocial Adaptations During Pregnancy 282

Maternal Emotional Responses 282
Maternal Role Tasks 283
Pregnancy and Sexuality 283
Pregnancy and the Partner 284
Pregnancy and Siblings 284

# CHAPTER 12

### Nursing Management During Pregnancy 288

### Preconception Care 289

Risk Factors for Adverse Pregnancy Outcome 289 Nursing Management 290

### The First Prenatal Visit 290

Comprehensive Health History 292 Physical Examination 295 Follow-Up Visits 299 Fundal Height Measurement 299

Fetal Movement Determination 299

Fetal Heart Rate Measurement 300

Follow-Up Visit Intervals and Assessments 300 Teaching About the Danger Signs of Pregnancy 301

### Assessment of Fetal Well-Being 301

Ultrasonography 301 Doppler Flow Studies 302 Alpha-Fetoprotein Analysis 302 Marker Screening Tests 303 Nuchal Translucency Screening 303 Amniocentesis 303 Chorionic Villus Sampling 305 Percutaneous Umbilical Blood Sampling 306 Nonstress Test 307 Contraction Stress Test 307 Biophysical Profile 307

### Nursing Management for the Common Discomforts of Pregnancy 308

First-Trimester Discomforts 308 Second-Trimester Discomforts 312 Third-Trimester Discomforts 314

### Nursing Management to Promote Self-Care 316

Personal Hygiene 316 Hot Tubs and Saunas 316 Perineal Care 316 Dental Care 316 Breast Care 317 Clothing 317 Exercise 317 Sleep and Rest 318 Sexual Activity and Sexuality 319 Employment 319 Travel 320 Immunizations and Medications 320

### Nursing Management to Prepare the Woman and Her Partner for Labor, Birth, and Parenthood 322

Childbirth Education Classes 323 Options for Birth Settings and Care Providers 324 Preparation for Breastfeeding or Bottle-Feeding 326 Final Preparation for Labor and Birth 327

### UNIT F O U R LABOR AND BIRTH 333

# CHAPTER 13

Labor and Birth Process 335

Initiation of Labor 336

Premonitory Signs of Labor 336 Cervical Changes 336

Lightening 336 Increased Energy Level 336 Bloody Show 336 **Braxton Hicks Contractions 337** Spontaneous Rupture of Membranes 337

### True Versus False Labor 337

### Factors Affecting the Labor Process 338

Passageway 338 Passenger 340 Powers 346 Psychological Response 348 Position (Maternal) 348 Philosophy 348 Partners 349 Patience 350 Patient Preparation 351 Pain Management 351

### Physiologic Responses to Labor 351

Maternal Responses 351 Fetal Responses 352

Stages of Labor 352 First Stage 352 Second Stage 354 Third Stage 355

Fourth Stage 355

# CHAPTER 14

### Nursing Management During Labor and Birth 361

Maternal Assessment During Labor and Birth 362 Vaginal Examination 362 Assessing Uterine Contractions 363 Performing Leopold's Maneuvers 364

### Fetal Assessment During Labor and Birth 364 Analysis of Amniotic Fluid 364 Analysis of the FHR 366

Other Fetal Assessment Methods 372

### Promoting Comfort and Providing Pain Management During Labor 374

Nonpharmacologic Measures 374 Pharmacologic Measures 379

### Nursing Care During Labor and Birth 384

Nursing Care During the First Stage of Labor 385 Nursing Management During the Second Stage of Labor 390

Nursing Management During the Third Stage of Labor 395

Nursing Management During the Fourth Stage of Labor 397

### UNIT FIVE

Postpartum Period 403

# CHAPTER 15

### Postpartum Adaptations 405

Maternal Physiologic Adaptations 406
Reproductive System Adaptations 406
Cardiovascular System Adaptations 408
Urinary System Adaptations 409
Gastrointestinal System Adaptations 410
Musculoskeletal System Adaptations 410
Integumentary System Adaptations 411
Respiratory System Adaptations 411
Endocrine System Adaptations 411
Lactation 411

Psychological Adaptations 413
Maternal Psychological Adaptations 413
Partner Psychological Adaptations 414

# CHAPTER 16

# Nursing Management During the Postpartum Period 419

Assessment 421 Vital Signs 422 Breasts 422

Uterus 422

Bladder 423 Bowels 423

Lochia 423

Episiotomy and Perineum 424

Extremities 425

**Emotional Status 425** 

Bonding and Attachment 425

Factors Affecting Attachment 427
Critical Attributes of Attachment 427

Positive and Negative Attachment Behaviors 428

Nursing Interventions 428

Providing Optimal Cultural Care 428

Promoting Comfort 428

Assisting With Elimination 432

Preventing Stress Incontinence 435

Assisting With Self-Care Measures 435

Ensuring Safety 436

Counseling About Sexuality and Contraception 436

Promoting Nutrition 436

Supporting the Woman's Choice of Feeding Method 437

Teaching About Breast Care 439

Promoting Family Adjustment and Well-Being 440

Teaching About Postpartum Blues 443

Preparing for Discharge 443

### UNIT SIX

THE NEWBORN 453

# CHAPTER 17

### Newborn Adaptation 455

Physiologic Adaptations 456
Cardiovascular System Adaptations 456
Respiratory System Adaptations 458
Body Temperature Regulation 459
Hepatic System Function 463
Gastrointestinal System Adaptations 464
Renal System Changes 465
Immune System Adaptations 466
Integumentary System 466
Neurologic System Adaptations 467

Behavioral Adaptations 467
Behavioral Patterns 467
Newborn Behavioral Responses 468

# CHAPTER 18

### Nursing Management of the Newborn 473

Nursing Management During the Immediate Newborn Period 474 Assessment 474 Nursing Interventions 479

Nursing Management During the Early Newborn Period 481 Assessment 482 Nursing Interventions 495

### UNITSEVEN

CHILDBEARING AT RISK 523

# CHAPTER 19

# Nursing Management of Pregnancy at Risk: Pregnancy-Related Complications 525

Bleeding During Pregnancy 526
Spontaneous Abortion 527
Ectopic Pregnancy 528
Gestational Trophoblastic Disease 533
Cervical Insufficiency 535
Placenta Previa 536
Abruptio Placentae 540

Hyperemesis Gravidarum 543

Pathophysiology 543

Therapeutic Management 543

Nursing Assessment 544

Nursing Management 545