

# CONTENTS

## INSTRUCTIONS FOR OBTAINING CONTINUING EDUCATION . . . . IV

### CHAPTER 1. Preparing for the Certification Examination. . . . .1

- Before You Begin Studying 1
- Take Advantage of all of ANCC's Resources 1
- Tips for Preparing for the Exam 2
- The Night Before the Exam 4
- The Day of the Exam 4
- Tips for Dealing with Anxiety 4
- Internet Resources 5

### CHAPTER 2. Foundations of Advanced Practice Nursing. . . . .7

- Dimensions of the Nurse Practitioner (NP) Role 7
- Legal and Financial Issues 8
- Ethics 13
- Advocacy 14
- Quality Assurance 15
- Risk Management 16
- Nurse Practitioner Legal and Financial Issues 16
- Current Trends 20
- References 31

### CHAPTER 3. Healthcare Issues . . . . .35

- Epidemiology 35
- Cultural Influences on Health 36
- Illness Presentation and Aging Changes 38

	Hospice, Palliative, and Respite Care	41
	Leadership and Advocacy	41
	Evidence-Based Practice (EBP)	43
	Documentation	44
	References	45
<b>CHAPTER 4.</b>	<b>Health Promotion and Disease Prevention. . . . .</b>	<b>47</b>
	Learning Objectives	47
	Healthy People 2010–2020	47
	Health Maintenance and Goals	48
	Screening Guidelines	48
	Average Life Expectancy	48
	Health Behaviors Amenable to Intervention	48
	Diet, Exercise, and Health	48
	Achieve a Healthy Body Weight	52
	Adult Health Screenings	54
	References	63
<b>CHAPTER 5.</b>	<b>Infectious Diseases. . . . .</b>	<b>67</b>
	Learning Objectives	67
	Types of Infections	67
	Infection Triggers	68
	Chain of Infection	68
	Infectious Agents	69
	Influenza (Flu)	73
	Infectious Mononucleosis (Mono)	75
	Lyme Disease	76
	Viral Hepatitis	78
	HIV and AIDS	81
	Rocky Mountain Spotted Fever	88

West Nile Virus 90

References 92

**CHAPTER 6. Dermatological Disorders .....95**

Learning Objectives 95

About Dermatological Disorders and Conditions 95

Common Bacterial Skin Infections 97

Viral Skin Infections 105

Dermatitis 109

Other DermAtologic Conditions 112

Skin Cancer 116

References 121

**CHAPTER 7. Head, Eyes, Ears, Nose, and Throat .....123**

Learning Objectives 123

Eyes 123

Ears 136

Nose 145

Mouth and Nose 152

References 155

**CHAPTER 8. Cardiovascular System Disorders.....157**

Learning Objectives 157

Arteriosclerotic Heart Disease (ASHD) 157

Angina 159

Myocardial Infarction 161

Murmurs 163

Hypertension (HTN) 165

Dyslipidemia 168

Atrial Fibrillation 174

Heart Failure (HF)	177
Peripheral Artery Disease (PAD)	180
Deep Vein Thrombosis (DVT)	181
Venous Insufficiency	183
References	184

**CHAPTER 9. Respiratory System Disorders.....187**

Learning Objectives	187
Asthma	189
Bronchitis	192
Chronic Obstructive Pulmonary Disease (COPD)	194
Pneumonia	196
Primary Lung Malignancies	198
Tuberculosis (TB)	201
Pulmonary Embolism (PE)	204
References	208

**CHAPTER 10. Gastrointestinal (GI) System Disorders .....211**

Learning Objectives	211
Constipation	211
Acute Diarrhea	213
Chronic Diarrhea	215
Dysphagia	217
Acute Abdomen	218
Gastroesophageal Reflux Disease (GERD)	220
Peptic Ulcer Disease (PUD)	222
Zollinger-Ellison Syndrome (ZES)	226
Gastric Cancer	227
Cholelithiasis (Gallstones) and Cholecystitis (Gallbladder Inflammation)	229

	Irritable Bowel Syndrome (IBS)	230
	Diverticulosis and Diverticulitis	232
	Unintentional Weight Loss and Malnutrition	235
	Colorectal Cancer	236
	Abdominal Hernias	238
	Hemorrhoids	241
	Flatulence	242
	Eructation	244
	Gastroenteritis	244
	References	246
<b>CHAPTER 11.</b>	<b>Male and Female Reproductive Disorders . . . . .</b>	<b>249</b>
	Learning Objectives	249
	Men's Health	249
	Women's Health	263
	References	283
<b>CHAPTER 12.</b>	<b>Genitourinary, Renal, and Sexually Transmitted Diseases . . . . .</b>	<b>285</b>
	Learning Objectives	285
	Renal and Urological Considerations for Older Adults	285
	Urinary Tract Infection (UTI)	286
	Pyelonephritis	289
	Hematuria	291
	Acute Kidney Injury	293
	Acute Glomerulonephritis	296
	Chronic Kidney Disease (CKD)	298
	End-Stage Renal Disease (ESRD)	300
	Urinary Incontinence	302

Sexual Dysfunction	306
Sexually Transmitted Infections (STIs)	308
References	327

**CHAPTER 13. Musculoskeletal Disorders .....329**

Learning Objectives	329
Systemic Lupus Erythematosus (SLE)	329
Giant-Cell Arteritis (GCA; Temporal Arteritis)	332
Arthritis	334
Fractures	344
Carpal Tunnel Syndrome	346
Shoulder Injuries	348
Knee Injuries	350
Polymyalgia Rheumatica (PMR)	353
Additional Joint Injuries	355
Low Back Pain	355
Neck Pain	358
Gait Disorders	359
Osteomyelitis	361
References	363

**CHAPTER 14. Neurologic System Disorders .....365**

Learning Objectives	365
Headache	365
Meningitis	369
Amyotrophic Lateral Sclerosis (ALS) or Lou Gehrig's Disease	372
Myasthenia Gravis (MG)	373
Seizure Disorders	376
Parkinson's Disease	379

Multiple Sclerosis (MS)	382
Dementia	384
Alzheimer's Disease (AD)	387
Delirium	390
References	391

**CHAPTER 15. Endocrine Disorders.....393**

Learning Objectives	393
Age-Related Concerns	393
Hypothermia	394
Hyperthermia	396
Diabetes Mellitus	398
Type 1 Diabetes Mellitus (Formerly Called Insulin-Dependent Diabetes or IDDM)	399
Type 2 Diabetes Mellitus (Formerly Called Non-Insulin-Dependent Diabetes)	402
Hypothyroidism	406
Hyperthyroidism and Thyrotoxicosis	409
Thyroid Nodule and Thyroid Cancer	412
References	414

**CHAPTER 16. Hematological Disorders.....417**

Learning Objectives	417
Anemia	417
Leukemias	428
Multiple Myeloma	430
Non-Hodgkin Lymphoma	431
Hodgkin Lymphoma	432
Drug-Induced Thrombocytopenia	434
References	436

<b>CHAPTER 17. Psychiatric and Mental Health</b> .....	<b>437</b>
Learning Objectives	437
General Approach to Psychiatric Issues	437
Psychosocial Changes of Aging	438
Depression	438
Major Depressive Disorder (MDD)	439
Bipolar Disorder	441
Grief and Bereavement	443
Anxiety Disorders	444
Alcohol and Substance Abuse	447
Tobacco Use and Cessation	449
Elder Abuse and Neglect	450
References	451
<b>APPENDIX A. Review Questions</b> .....	<b>453</b>
<b>APPENDIX B. Review Question Answers</b> .....	<b>467</b>
<b>INDEX</b> .....	<b>475</b>