

CONTENTS

CHAPTER 1.	Taking the Certification Examination	1
	General Suggestions for Preparing for the Exam	
	About the Certification Exams	
CHAPTER 2.	Developmental and Behavioral Sciences	11
	<i>Mary Jo Gilmer, PhD, MBA, RN-BC, FAAN, and Paula Chiplis, PhD, RN, CPNP</i>	
	Psychosocial, Cognitive, and Ethical-Moral Development	
	Behavior Modification	
	Physical Development: Normal Growth Expectations and Developmental Milestones	
	Family Concepts and Issues	
	Family-Centered Care	
	Cultural and Spiritual Diversity	
CHAPTER 3.	Communication	23
	<i>Mary Jo Gilmer, PhD, MBA, RN-BC, FAAN, and Karen Corlett, MSN, RN-BC, CPNP-AC/PC, PNP-BC</i>	
	Culturally Sensitive Communication	
	Components of Therapeutic Communication	
	Communication Barriers	
	Modes of Communication	
	Patient Confidentiality	
	Written Communication in Nursing Practice	
	Professional Communication	
	Advocacy	
CHAPTER 4.	The Nursing Process	33
	<i>Clara J. Richardson, MSN, RN-BC</i>	
	Nursing Assessment	
	Nursing Diagnosis and Treatment	
CHAPTER 5.	Basic and Applied Sciences	49
	<i>Mary Jo Gilmer, PhD, MBA, RN-BC, FAAN, and Paula Chiplis, PhD, RN, CPNP</i>	
	Trauma and Diseases Processes	
	Common Genetic Disorders	
	Common Childhood Diseases	
	Traction	
	Pharmacology	
	Nutrition	
	Chemistry	
	Clinical Signs Associated With Isotonic Dehydration in Infants	

CHAPTER 6.	Educational Principles and Strategies.	69
	<i>Mary Jo Gilmer, PhD, MBA, RN-BC, FAAN, and Karen Corlett, MSN, RN-BC, CPNP-AC/PC, PNP-BC</i>	
	Patient Education	
CHAPTER 7.	Life Situations and Adaptive and Maladaptive Responses.	75
	<i>Mary Jo Gilmer, PhD, MBA, RN-BC, FAAN, and Karen Corlett, MSN, RN-BC, CPNP-AC/PC, PNP-BC</i>	
	Palliative Care	
	End-of-Life Care	
	Response to Crisis	
CHAPTER 8.	Sensory Disorders.	87
	<i>Clara J. Richardson, MSN, RN-BC</i>	
	Developmental Characteristics of the Pediatric Sensory System	
	Hearing Disorders	
	Vision Disorders	
	Conjunctivitis	
	Otitis Media and Otitis Externa	
	Retinoblastoma	
	Trauma to the Eye	
CHAPTER 9.	Respiratory Disorders.	109
	<i>Clara J. Richardson, MSN, RN-BC</i>	
	Lessons From Nursing Theorists, Field of Communication, and Psychology	
	Bronchiolitis	
	Community-Acquired Pneumonia (CAP)	
	Laryngotracheobronchitis (LTB)	
	Epiglottitis	
	Foreign Body Aspiration	
	Tonsillitis	
	Respiratory Distress and Failure	
	Bronchopulmonary Dysplasia (BPD)	
	Cystic Fibrosis (CF)	
	Tuberculosis (TB)	
	Asthma	
	Sudden Infant Death Syndrome (SIDS)	

CHAPTER 10. Cardiovascular Disorders	143
<i>Mary Jo Gilmer, PhD, MBA, RN-BC, FAAN, and Karen Corlett, MSN, RN-BC, CPNP-AC/PC, PNP-BC</i>	
Pediatric Variations from the Adult	
Congestive Heart Failure (CHF)	
Congenital Heart Disease	
Kawasaki Disease	
Rheumatic Fever	
CHAPTER 11. Gastrointestinal Disorders	165
<i>Clara J. Richardson, MSN, RN-BC</i>	
Developmental Characteristics of the Pediatric Gastrointestinal System	
Cleft Lip and Palate	
Tracheoesophageal Fistula (TEF) and Esophageal Atresia (EA)	
Imperforate Anus	
Hypertrophic Pyloric Stenosis	
Gastroesophageal Reflux	
Hernia	
Intussusception	
Gastroenteritis	
Hirschsprung Disease	
Malabsorption Syndromes	
Ingestions and Poisonings	
Appendicitis	
Inflammatory Bowel Disease	
CHAPTER 12. Genitourinary Disorders	209
<i>Clara J. Richardson, MSN, RN-BC</i>	
Developmental Characteristics of the Pediatric Genitourinary System	
Hypospadias	
Vesicoureteral Reflux	
Urinary Tract Infection	
Acute Glomerulonephritis	
Nephrotic Syndrome	
Wilms Tumor	
Sexually Transmitted Infections	
CHAPTER 13. Endocrine Disorders	229
<i>Clara J. Richardson, MSN, RN-BC</i>	
Diabetes Mellitus	
Growth Hormone Deficiency	
Central Diabetes Insipidus	
Hypothyroidism	
Hyperthyroidism	

CHAPTER 14. Hematologic Disorders	245
<i>Clara J. Richardson, MSN, RN-BC</i>	
Neonatal Sepsis	
Iron Deficiency and Iron-Deficiency Anemia	
Sickle Cell Anemia	
Immune Thrombocytopenic Purpura	
Hemophilia	
Leukemia	
Hodgkin's Lymphoma	
CHAPTER 15. Immunologic Disorders	273
<i>Clara J. Richardson, MSN, RN-BC</i>	
HIV and AIDS	
System Allergic Reactions (Anaphylaxis)	
Systemic Lupus Erythematosus	
CHAPTER 16. Neuromuscular Disorders	287
<i>Clara J. Richardson, MSN, RN-BC</i>	
Developmental Characteristics of the Pediatric Neuromuscular System	
Neural Tube Defects	
Hydrocephalus	
Epilepsy or Seizure Disorder	
Cerebral Palsy	
Duchenne Muscular Dystrophy	
Meningitis	
Viral Encephalitis	
Brain Tumors	
Traumatic Brain Injury	
Spinal Cord Injuries	
Lyme Disease	
Hypothermia	
Hyperthermia	
CHAPTER 17. Musculoskeletal Disorders	331
<i>Clara J. Richardson, MSN, RN-BC</i>	
Developmental Dysplasias of the Hip and Congenital Dislocated Hip	
Congenital Clubfoot	
Fractures and Dislocations	
Legg-Calvé-Perthes Disease	
Osteomyelitis	
Juvenile Idiopathic Arthritis	
Idiopathic Scoliosis	
Slipped Capital Femoral Epiphysis	
Bone Tumors	

CHAPTER 18. Integumentary Disorders 357*Clara J. Richardson, MSN, RN-BC*

Atopic Dermatitis (Eczema)
Impetigo
Cellulitis
Communicable Diseases
Fungal Infections
Parasitic Infestations
Acne Vulgaris
Burns

CHAPTER 19. Mental Health Issues in the Child: Acute and Chronic 385*Mary Jo Gilmer, PhD, MBA, RN-BC, FAAN, and Paula Chiplis, PhD, RN, CPNP*

Autism
Failure to Thrive (FTT)
Developmental Disability
Enuresis
Attention Deficit Disorder (ADD) and Attention-Deficit Hyperactivity Disorder (ADHD)
Overweight and Obesity
Anorexia Nervosa and Bulimia
Substance Abuse
Depression
Suicide
Loss and Grief, Death and Dying
Child Abuse and Neglect

CHAPTER 20. Health Maintenance, Promotion, and Wellness 409*Mary Jo Gilmer, PhD, MBA, RN-BC, FAAN*

Anticipatory Guidance and Patient Safety (Home, Hospital, and Community)
Injury Prevention
Adolescent Issues

CHAPTER 21. Management and Leadership 419*Mary Jo Gilmer, PhD, MBA, RN-BC, FAAN*

Principles of Management
Organizational Structure
Professional Development

CHAPTER 22. Research	427
<i>Mary Jo Gilmer, PhD, MBA, RN-BC, FAAN</i>	
Steps of the Research Process	
Use of Research in Practice	
Evidence-Based Practice	
Clinical Practice Guidelines	
CHAPTER 23. Legal and Ethical Issues	431
<i>Mary Jo Gilmer, PhD, MBA, RN-BC, FAAN, and Karen Corlett, MSN, RN-BC, CPNP-AC/PC, PNP-BC</i>	
Guidelines for the Practice and Delivery of Health Care	
Reimbursement	
Authority for Decision-Making	
Ethical Dilemmas	
Nursing Responsibilities	
APPENDIX A. Review Questions	439
APPENDIX B. Answers to the Review Questions	449
INDEX	455
ABOUT THE AUTHORS	470