

CONTENTS

PART 1 Foundations of Healthy Aging

1 Health and Wellness in an Aging Society, 1

Kathleen Jett and Theris A. Touhy

- The Years Ahead, 2
- Aging, 3
- A Wellness-Based Model, 6
- Disease Prevention and Health Promotion for Older Adults, 8

2 Gerontological Nursing: Past, Present, and Future, 13

Theris A. Touhy

- Care of Older Adults: A Nursing Imperative, 13
- Development of Gerontological Nursing, 14
- Gerontological Nursing Education, 18
- Organizations Devoted to Gerontology Research and Practice, 18
- Research on Aging, 19
- Gerontological Nursing Roles, 20
- Transitions Across the Continuum: Role of Nursing, 23

Appendix 2-A Recommended Baccalaureate Competencies and Curricular Guidelines for the Nursing Care of Older Adults, 29

3 Theories of Aging, 31

Kathleen Jett

- Biological Theories of Aging, 31
- Psychosocial Theories of Aging, 35

4 Cross-Cultural Caring and Aging, 40

Kathleen Jett

- Culture and Health Care, 40
- Diversity, 41
- Health Inequities and Disparities, 41
- Obstacles to Cross-Cultural Caring, 42
- Providing Cross-Cultural Health Care, 43
- Integrating Concepts, 50

5 Cognition and Learning, 54

Theris A. Touhy

- Adult Cognition, 54
- Learning in Later Life, 57
- Health Literacy, 60

PART 2 Foundations of Caring

6 Communicating with Older Adults, 65

Theris A. Touhy

- Ageism and Communication, 66
- Therapeutic Communication with Older Adults, 67
- The Life Story, 67
- Communicating with Groups of Older Adults, 70

7 Health Assessment, 74

Kathleen Jett

- The Health History, 75
- Physical Assessment, 75
- Functional Assessment, 79
- Function and Cognition, 81
- Assessment of Mood, 82
- Comprehensive Geriatric Assessment, 84

8 Laboratory Values and Diagnostics, 88

Kathleen Jett

- Hematological Testing, 88
- Measures of Inflammation, 91
- Vitamins, 91
- Blood Chemistry Studies, 92
- Uric Acid, 94
- Prostate-Specific Antigen, 94
- Laboratory Testing for Cardiac Health, 94
- Testing for Body Proteins, 95
- Laboratory Tests of Renal Health, 96
- Monitoring for Therapeutic Blood Levels, 96
- Urine Studies, 97

9 Geropharmacology, 101

Kathleen Jett

- Pharmacokinetics, 101
- Pharmacodynamics, 104
- Issues in Medication Use, 104
- Safe Medication Use, 111

10 The Use of Herbs and Supplements, 115

Jo Lynne Robins and Lisa Burroughs Phipps

- Standards in Manufacturing, 116
- Herb Forms, 116
- Select Commonly Used Teas, Herbs, and Supplements, 117
- Use of Herbs and Supplements for Select Conditions, 121
- Herb and Supplement Interactions with Standardized Drugs, 122

PART 3 Wellness and Function

11 Vision, 130

Theris A. Touhy

- Changes in Vision with Age, 130
- Visual Impairment, 132
- Diseases and Disorders of the Eye, 133

12 Hearing, 142

Theris A. Touhy

- Hearing Impairment, 142
- Interventions to Enhance Hearing, 144
- Tinnitus, 149

13 Skin Care, 152*Theris A. Touhy*

Skin, 153

Common Skin Problems, 154

Skin Cancers, 158

Pressure Ulcers, 160

14 Nutrition, 170*Theris A. Touhy*

Global Nutrition Concerns, 171

Age-Related Requirements, 171

Obesity (Overnutrition), 173

Malnutrition (Undernutrition), 174

Factors Affecting Fulfillment of Nutritional Needs, 175

15 Hydration and Oral Care, 191*Theris A. Touhy*

Hydration Management, 191

Dehydration, 192

Oral Health, 194

16 Elimination, 200*Theris A. Touhy*

Age-Related Changes in the Renal and Urological Systems, 201

Urinary Incontinence, 201

Urinary Tract Infections, 210

Bowel Elimination, 212

Accidental Bowel Leakage/Fecal Incontinence, 216

17 Sleep, 221*Theris A. Touhy*

Biorhythm and Sleep, 222

Sleep and Aging, 222

Sleep Disorders, 223

18 Physical Activity and Exercise, 233*Theris A. Touhy*

Physical Activity and Aging, 234

19 Falls and Fall Risk Reduction, 244*Theris A. Touhy*

Mobility and Aging, 244

Falls, 245

Restraints and Side Rails, 257

20 Safety and Security, 263*Theris A. Touhy*

Environmental Safety, 263

Home Safety, 263

Crimes Against Older Adults, 265

Fire Safety for Elders, 266

Vulnerability to Environmental Temperatures, 266

Vulnerability to Natural Disasters, 269

Transportation Safety, 269

Emerging Technologies to Enhance Safety of Older Adults, 273

Elder-Friendly Communities, 274

PART 4 Wellness and Chronic Illness**21 Living Well with Chronic Illness, 278***Kathleen Jett*

A Model for Chronic Illness, 280

Frailty, 281

22 Cardiovascular and Cerebrovascular Health and Wellness, 283*Kathleen Jett*

The Aging Heart, 283

Cardiovascular Disease (CVD), 284

The Aging Peripheral Vascular System, 291

Peripheral Vascular Disease, 291

Cerebrovascular Disorders, 292

23 Neurodegenerative Disorders, 299*Kathleen Jett*

Diagnosis, 300

Parkinson's Disease, 301

Alzheimer's Disease, 302

Neurocognitive Dementia with Lewy Bodies, 304

Complications, 305

24 Endocrine and Immune Disorders, 308*Kathleen Jett*

The Immune System, 308

The Endocrine System, 309

25 Respiratory Health and Illness, 319*Kathleen Jett*

Normal Age-Related Changes, 319

Respiratory Disorders, 320

26 Common Musculoskeletal Concerns, 327*Kathleen Jett*

The Aging Musculoskeletal System, 327

Musculoskeletal Disorders, 328

27 Pain and Comfort, 339*Kathleen Jett*

Pain in the Older Adult, 340

28 Mental Health, 352*Theris A. Touhy*

Stress and Coping in Late Life, 353

Factors Influencing Mental Health Care, 356

Mental Health Disorders, 359

Schizophrenia, 363

Psychotic Symptoms in Older Adults, 364

Bipolar Disorder (BD), 366

Depression, 366

Suicide, 371

Substance Use Disorders, 373

29 Care of Individuals with Neurocognitive Disorders, 381*Debra Hain, María Ordóñez, and Theris A. Touhy*

Caring for Individuals with Neurocognitive Disorders, 381