Section One: Concepts in Nursing Practice

1. Contemporary Nursing Practice
   - Increased coverage of delegation and assignment
   - New content on the Situation-Background-Assessment-Recommendation (SBAR) technique for communication
   - New information on the Quality and Safety Education for Nurses (QSEN) initiative
   - Updated coverage of evidence-based practice

2. Health Disparities and Culturally Competent Care
   - More examples covering other ethnic groups such as Asian Americans and Asian Pacific Islanders
   - Greater emphasis on rural populations
   - Cultural assessment tool added

3. Health History and Physical Examination
   - Coverage of the three main types of assessment: comprehensive, focused, and emergency
   - New assessment case studies emphasizing integrating assessment findings

4. Patient and Caregiver Teaching
   - New content addressing regulatory mandates for patient education
   - Updated learning strategies with more information on Internet-based sources of patient information
   - Discussion of the impact of one’s generation on the teaching-learning process
   - Introduction of the concept that every patient interaction is a potential teachable moment
   - Expanded content on health literacy and patient education

5. Chronic Illness and Older Adults
   - New content on chronic illness and the chronic illness trajectory

6. Community-Based Nursing and Home Care
   - Integrated and consolidated family caregiver content, including an explanation of the most important assessments, diagnoses, and interventions for nurses to consider when working with family caregivers
   - Integrated and consolidated long-term care information
   - New discussion of the challenges community-based nurses face in integrating their care into the daily lives of patients

7. Complementary and Alternative Therapies
   - Increased focus on the nurse’s role in complementary and alternative therapies
   - Updated information on herbs and food supplements

8. Stress and Stress Management

Table of Contents

Medical-Surgical Nursing: Assessment and Management of Clinical Problems, 8th Edition
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Section One: Concepts in Nursing Practice

9. Sleep and Sleep Disorders NEW CHAPTER!
10. Pain
    - Increased emphasis on multimodal analgesia
    - New content on complex regional pain syndrome (CRPS)
    - New pain assessment tool — the Pain Thermometer Scale
    - Information on methylaltrexone (Relistor) for the treatment/management of opioid-induced constipation
    - New discussion of antidepressants that selectively inhibit reuptake of serotonin and norepinephrine (SSNRIs) and their effectiveness for neuropathic pain

11. Palliative Care at End of Life
    - Increased focus on palliative care
    - New content on spiritual needs at end of life

12. Addictive Behaviors
    - Expanded coverage of smoking cessation
    - Increased focus on alcohol dependency

Section Two: Pathophysiologic Mechanisms of Disease

13. Inflammation and Wound Healing
    - Expanded coverage of pressure ulcers and revised staging classification system
    - Clarified pathophysiology content

14. Genetics, Altered Immune Responses, and Transplantation
    - New coverage of the Genetic Information Nondiscrimination Act (GINA)
    - New content on genetic testing
    - New material on stem cells
    - Completely revised content on HLA and tissue typing

15. Infection
    - Updated and expanded section on emerging and reemerging infections — including information about prions and H1N1 flu
    - Updated infection control recommendations
    - Updated coverage of basic science, testing recommendations, and treatment guidelines for HIV infection
    - Updated tables on antiretroviral medications and drugs for treating opportunistic diseases
    - Coverage of the latest psychosocial issues related to HIV and other emerging infections, including stigma, access to care, older adults, prevention, and nursing care

16. Cancer
    - Updated and revised tables on chemotherapy and biologic and targeted therapies
    - Revised illustration depicting sites for targeted therapy
    - New content on radiation therapy and chemo brain

17. Fluid, Electrolyte, and Acid-Base Imbalances
    - New table on ROME, a memory device for acid-base imbalances
    - Arginine vasopressin receptor agonists added to the discussion of hyponatremia
    - Expanded coverage of patient safety in the administration of potassium
    - Consolidated content on central venous access devices, including centrally inserted catheters, peripherally inserted central venous catheters, and implanted infusion ports

Section Three: Perioperative Care

18. Nursing Management: Preoperative Care
    - Updated and expanded information on preoperative medications
    - Discussion of prevention of venous thromboembolism (VTE)
    - Incorporates The Joint Commission National Patient Safety Goals, Universal Protocol, and Hand-off Communication

19. Nursing Management: Intraoperative Care
    - Increased focus on patient safety during the intraoperative period
    - Updated and expanded coverage of anesthetic agents and adjuvant medications
    - Increased emphasis on the importance of the intraoperative team in delivering safe care
    - Revised and expanded content on the use of non-inhalational anesthesia
    - Coverage of current trends and surgical technologies influencing the future of surgery and perioperative nursing

20. Nursing Management: Postoperative Care
    - New venous thromboembolism (VTE) prophylaxis guidelines

Section Four: Problems Related to Altered Sensory Input

22. Nursing Management: Visual and Auditory Problems
    - New photos of eye disorders
    - New table on hearing aids
    - New content on benign paroxysmal positional vertigo
    - New table on the prevention of otitis media
    - Expanded content on uveal melanoma tumors

23. Nursing Assessment: Integumentary System
24. Nursing Management: Integumentary Problems
    - Expanded ABCDs of melanoma now include an “E”
    - New content on psoriasis
Section Five: Problems of Oxygenation: Ventilation

26. Nursing Assessment: Respiratory System
   - Enhanced anatomy and physiology section

27. Nursing Management: Upper Respiratory Problems
   - New photos of the Passy-Muir speaking tracheostomy
   - New Delegation Decisions box on suctioning and tracheostomy care
   - Updated information on seasonal flu and H1N1 flu

28. Nursing Management: Lower Respiratory Problems
   - New content on pertussis
   - Increased focus on patient teaching
   - Current immunization recommendations for Pneumovax

29. Nursing Management: Obstructive Pulmonary Diseases
   - New asthma guidelines
   - Updated and expanded airway clearance techniques
   - Enhanced COPD coverage with revised pathophysiology and a new case study
   - New tables on huff coughing and pursed lip breathing

Section Six: Problems of Oxygenation: Transport

30. Nursing Assessment: Hematologic System
   - Additional nursing care considerations for bone scan and bone marrow biopsy

31. Nursing Management: Hematologic Problems
   - New table on thrombocytopenia
   - Thoroughly revised leukemia content
   - New Delegation Decisions boxes on neutropenia and blood transfusions

Section Seven: Problems of Oxygenation: Perfusion

32. Nursing Assessment: Cardiovascular System

33. Nursing Management: Hypertension
   - Updated goals for treating primary hypertension
   - New age-specific guidelines for physical activity
   - Updated changes to daily sodium requirements
   - Expanded focus on management of psychosocial risk factors related to hypertension

34. Nursing Management: Coronary Artery Disease and Acute Coronary Syndrome
   - Expanded content on care of the patient having cardiac surgery
   - Updated guidelines for the care of a patient with chronic stable angina
   - New information on coronary microvascular disease and microvascular angina
   - Updated guidelines for the care of a patient with acute coronary syndrome
   - Increased emphasis on health promotion guidelines for patients with coronary artery disease and for those recovering from acute coronary syndrome

35. Nursing Management: Heart Failure
   - Additional content on palliative and end-of-life care for patients with refractory (end-stage) heart failure
   - New discussion of the use of telehealth monitoring for patients with chronic heart failure
   - Updated recommendations for medication and device therapy (based on the ACC/AHA evidence-based guidelines)
   - Revised content on cardiac transplantation
   - Increased emphasis on the importance of prevention and early, aggressive treatment of heart failure

36. Nursing Management: Dysrhythmias
   - Updated treatment strategies for dysrhythmias reflect current ACLS standards
   - Evidence-based practice guidelines for ECG monitoring meet current AHA guidelines
   - New table on anticoagulation therapy for patients with atrial fibrillation
   - Updated and expanded table on classifications and actions of antidyssrhythmic drugs and their effects on the ECG

37. Nursing Management: Inflammatory and Structural Heart Disorders
   - Updated evidence-based guidelines on antibiotic prophylaxis to prevent endocarditis
   - Updated content on care of the patient with cardiac valve disease
   - New technologies and emerging surgical techniques for treating cardiac valve disease
   - Updated content on care of the patient with cardiomyopathy

38. Nursing Management: Vascular Disorders
   - Updated material on abdominal aortic aneurysm repair includes the most current statistics on prevalence, mortality, and complications
   - Expanded and updated material on endovascular aneurysm repair
   - Updated aortic dissection repair coverage includes the most current evidence on differences in symptoms and outcomes based on age and gender
   - Expanded and updated material on endovascular repair of aortic dissections
   - Updated information on PAD of the lower extremities, including current clinical guidelines for risk factor modification, drug therapy, and discussion of catheter-based procedures
   - Updated section on venous thrombosis incorporates 2008 ACCP clinical guidelines for prevention, prophylaxis, and treatment of venous thromboembolism (VTE)
   - Revised coverage of new anticoagulants, including indications and monitoring guidelines
   - New discussion of thrombolytic treatment of VTE
   - Updated coverage of care of the patient with critical limb ischemia based on 2008 ACCP guidelines

Section Eight: Problems of Ingestion, Digestion, Absorption, and Elimination

39. Nursing Assessment: Gastrointestinal System

40. Nursing Management: Nutritional Problems
   - Expanded content on calculating caloric requirements
   - Increased culture content
   - New Delegation Decisions box on NG tubes and tube feeding

41. Nursing Management: Obesity
   - Increased emphasis on the epidemiology of obesity
   - Coverage of waist circumference — an easier measure than BMI and waist-to-hip ratio
   - Discussion of the need for CPAP for obese patients after surgery
   - New illustration of metabolic syndrome
   - New content and illustration on vertical sleeve gastrectomy
   - New figure depicting the epidemic of obesity based on ethnicity and state distribution

Section Nine: Problems of Urinary Function

45. Nursing Assessment: Urinary System
   - New content on diagnostic studies for urinalysis with significance of abnormal findings

46. Nursing Management: Renal and Urologic Problems
   - Increased content on renal cancer

47. Nursing Management: Acute Kidney Injury and Chronic Kidney Disease
   - “Acute renal failure” terminology updated to “acute kidney injury”
   - RIFLE criteria added for classification of AKI
   - New emphasis on cardiovascular problems in chronic kidney disease
   - New information on the role of serum creatinine as a diagnostic indicator

Section Ten: Problems Related to Regulatory and Reproductive Mechanisms

48. Nursing Assessment: Endocrine System

49. Nursing Management: Diabetes Mellitus
   - New content on mental illness as a complication of diabetes
   - New ADA guidelines incorporated throughout
50. Nursing Management: Endocrine Problems
   • New illustration of Hashimoto’s thyroiditis
   • New table on laboratory results for hyperthyroid and hypothyroid patients
   • Streamlined pituitary disorders content

51. Nursing Assessment: Reproductive System

52. Nursing Management: Breast Disorders
   • New content on breast MRI and triple-negative breast cancer
   • Content on new diagnostic tests
   • Coverage of new drugs including ixabepilone for metastatic breast cancer

53. Nursing Management: Sexually Transmitted Diseases
   • Updated coverage of vaccines for HPV and other STDs
   • The latest treatment options for gonorrhea
   • Increased emphasis on patient teaching

54. Nursing Management: Female Reproductive Problems
   • Coverage of HPV vaccine for cervical cancer
   • New coverage of laparoscopic-assisted vaginal hysterectomy (LAVH)
   • New discussion of cultural adaptation to menopause
   • Updated content on ovarian cancer, including signs, symptoms, and new tumor markers

55. Nursing Management: Male Reproductive Problems
   • Expanded content on prostatectomy, including robotic procedures such as the da Vinci Surgical System
   • Results of clinical trials on the link between erectile dysfunction and cardiovascular disease and the chemoprevention of prostate cancer
   • New content on minimally invasive therapies for prostate cancer

Section Eleven: Problems Related to Movement and Coordination

56. Nursing Management: Nervous System

57. Nursing Management: Acute Intracranial Problems
   • Coverage of head injury revised and restructured into two sections – diffuse and localized injury
   • More direct focus on the family, caregiver, patient, and nursing interventions
   • New coverage of the Licox catheter, including a new illustration

58. Nursing Management: Stroke
   • Major reorganization of chapter separates ischemic stroke from hemorrhagic stroke
   • Added empirical support for interventions
   • New guidelines for the treatment of ischemic stroke

59. Nursing Management: Chronic Neurologic Problems
   • Completely updated content on headaches
   • Revised seizure flow chart
   • New Parkinson’s drugs added
   • Additional content on psychogenic seizures

60. Nursing Management: Alzheimer’s Disease, Dementia, and Delirium
   • New content on mild cognitive impairment
   • New illustration on the causes of dementia
   • New coverage of the role of cardiovascular risk factors for dementia
   • New table comparing forgetfulness and memory loss in mild cognitive impairment and dementia
   • New table on the use of Confusion Assessment Method (CAM) Diagnostic Algorithm to diagnose delirium

   • Case study on acute and post-acute care of patient with spinal cord injury
   • Updated information and figure on spinal cord classification

62. Nursing Assessment: Musculoskeletal System

63. Nursing Management: Musculoskeletal Trauma and Orthopedic Surgery
   • Information added on ACL, total ankle arthroplasty, hip resurfacing procedure, and spine arthroplasty
   • Discussion of the importance of stretching
   • New content on the posterior versus the anterior approach in hip repair
   • Updated information on hip protectors and vertebroplasty/kyphoplasty

64. Nursing Management: Musculoskeletal Problems
   • Additional information on cervical disk disease
   • Updated information on osteoporosis treatment, including new drugs

65. Nursing Management: Arthritis and Connective Tissue Diseases
   • Updated information on new arthritis drugs
   • Treatment updates and new drug therapy content for fibromyalgia syndrome
   • Addition of newer diagnostic studies for RA

Section Twelve: Nursing Care in Specialized Settings

66. Nursing Management: Critical Care
   • Updated guidelines for the care of a patient requiring mechanical ventilation
   • Updated guidelines for the care of a patient requiring hemodynamic monitoring

67. Nursing Management: Shock and Multiple Organ Dysfunction Syndrome
   • Reorganized shock content: cardiogenic, hypovolemic, distributive (spinal, septic, anaphylactic), and obstructive
   • Reference to the IHI’s evidence-based “care bundles” to limit hospital-acquired infections

68. Nursing Management: Respiratory Failure and Acute Respiratory Distress Syndrome
   • Inclusion and differentiation of acute lung injury (ALI) and acute respiratory distress syndrome (ARDS)
   • Updated diagnostic findings used to identify and distinguish ALI and ARDS
   • New table highlighting the IHI’s evidence-based “ventilator bundle” to limit ventilator-related complications

69. Nursing Management: Emergency, Terrorism, and Disaster Nursing
   • Expanded coverage of terrorism
   • New information on the management of post-cardiac arrest syndrome in the emergency department
   • Updated information on triage process during an emergency or mass casualty incident

Appendices:
A. Cardiopulmonary Resuscitation (CPR) and Basic Life Support
B. Nursing Diagnoses
C. Laboratory Values

Contents may vary upon publication.