



Medical-Surgical Nursing

**A NURSING
PROCESS APPROACH**

**DONNA D. IGNATAVICIUS
MARILYN VARNER BAYNE**

Medical-Surgical Nursing

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PROCESS APPROACH

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A NURSING PROCESS APPROACH**

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PREFACE

Why We Wrote This Textbook

The practice of medical-surgical nursing has changed dramatically over the past decade, but textbooks have not changed as quickly. To answer the need for a textbook that reflects today's realities, we have created *Medical-Surgical Nursing: A Nursing Process Approach*.

Limitations imposed today on acute care settings by prospective payment systems such as Medicare have led to clients' being admitted to hospitals only when seriously ill and being discharged quickly to home or another health care setting. Nearly two-thirds of these hospitalized people are older than 65 years of age. Most clients in this age group present with an acute episode of a chronic health problem and a multitude of secondary, often contributory, chronic diseases such as diabetes mellitus, hypertension, and arteriosclerotic cardiovascular disease. This situation creates new challenges for those providing nursing care to hospitalized adults.

Although other textbooks of medical-surgical nursing have served their readers well, they have become inadequate for preparing today's nurses. Today's medical-surgical nurse must

- Be at ease with the nursing process
- Understand the collaborative management of client problems as part of a health care team
- Have ready access to a comprehensive, current body of knowledge
- Be prepared to care for the unique problems of seriously ill adults—especially seriously ill older adults
- Know how to help clients prevent illness and maintain health
- Be prepared to teach clients and their families
- Be able to plan for clients' care after their discharge from the hospital
- Be well versed in pathophysiology, pharmacology, nutrition, diagnostic testing, physical assessment, and care planning

To meet these needs, *Medical-Surgical Nursing: A Nursing Process Approach*

- Incorporates the five-step nursing process as its central organizational framework. Although other textbooks incorporate the nursing process to some degree, we organize all interventions—without artificial distinction between nursing and medical interventions—around commonly identified NANDA-approved nursing diagnoses for each major disease or disorder likely to be encountered by a medical-surgi-

cal nurse. (Less common conditions are covered thoroughly, but—to conserve space—without specific reference to the nursing process.)

- Describes a number of conceptual approaches to client care without advocating a particular one, because no universal model or theory is appropriate for the care of the heterogeneous population found in medical-surgical nursing.
- Is accurate, up-to-date, comprehensive, and—by virtue of its unique quick-access formats for Assessment and Interventions chapters—provides readily accessible information.
- Emphasizes care of seriously ill clients and seriously ill elderly clients throughout, and highlights common assessment findings in the elderly with clear, consistent headings and special Focus on the Elderly features in each Assessment chapter.
- Integrates health promotion/maintenance information throughout, and highlights select material in easily identifiable Health Promotion/Maintenance features.
- Provides the most comprehensive, accessible coverage of discharge planning available.
- Includes client and family education in every Discharge Planning section and demonstrates client teaching in client-oriented terms in Client/Family Education features.
- Includes in-depth coverage of pathophysiology and “need-to-know” coverage of pharmacology, nutrition, diagnostic testing, physical assessment, care planning, substance abuse, emergency care, and critical care—each the subject of a book in itself. Emergency care is discussed in the text and is highlighted in Emergency Care features for appropriate instances in medical-surgical nursing.

How the Book is Organized

Medical-Surgical Nursing: A Nursing Process Approach is divided into three parts.

Part I: Perspectives for Medical-Surgical Nursing Practice provides the foundation for the framework used in the book. Chapters 1 through 3 introduce our philosophical approach to health, nursing, and the nursing process. Chapter 4 describes the health care delivery system in the United States and how that system affects the practice of medical-surgical nursing. Chapters 5 through 11 examine several key concepts in nursing practice: adult development; stress, coping, and adaptation; pain; sensory deprivation and sensory overload; body image; human sexuality; and response to

loss, death, and dying. Appropriate nursing interventions are suggested.

Part II: Client Problems Affecting Multiple Body Systems consists of units on management of fluid, electrolyte, and acid-base problems; burns and shock; the surgical client; and clients with chronic illness. Because fluid, electrolyte, and acid-base problems are complex and affect virtually every body system, we have taken great pains to ensure that our coverage of these problems is clearer and more comprehensive than that in other texts.

Part III: Specific Client Problems in Medical-Surgical Nursing is the largest part of the book. It is divided into 13 units that address particular client problems, most corresponding to body systems. For example, Unit 17 is entitled Problems of Oxygenation: Management of Clients with Disruptions of the Respiratory System. Each unit typically begins with an Assessment chapter, such as Assessment of the Respiratory System, and continues with one or more Interventions chapters, such as Interventions for Clients with Upper Respiratory Tract Disorders.

Each Assessment chapter has a consistent, easy-to-follow format, beginning with an anatomy and physiology review and continuing with changes associated with aging, history taking, physical assessment, psychosocial assessment, and diagnostic assessment. A summary and list of contemporary and classic references and readings conclude each Assessment chapter. (Classic references are provided when they are regarded as the foremost primary resources in a given area.) When additional noteworthy readings are available, a list of annotated additional readings follows.

Each Interventions chapter follows a consistent, accessible format. Management of diseases and disorders that are commonly encountered by the medical-surgical nurse is described in a step-by-step fashion, beginning with an overview (a description of the pathophysiology, etiology, and incidence), a description of preventive measures (if appropriate), the five-step nursing process highlighted by Saunders' nursing process symbols, and a section on discharge planning. Interventions chapters provide at the end a summary, a list of implications for research, a list of contemporary and classic references and readings, and, when justified by the literature, a list of annotated additional readings.

Each unit concludes with a list of names, addresses, and telephone numbers of nursing and other resources.

Other Learning Aids

The illustrations included in *Medical-Surgical Nursing* were created especially to complement this text. The ideas illustrated were chosen after exhaustive review by a panel of nursing instructors with special interests in visual learning. Unique to this book are 24 "Showcase" illustrations, many of which combine art and text to convey important or difficult concepts in medical-surgical nursing. Full-color figures—located in Unit 12—illustrate subjects for which visibility of subtle variations in color is essential to learning.

In addition to the Focus on the Elderly, Health Promotion/Maintenance, Client/Family Education, and Emergency Care features mentioned previously, *Medical-Surgical Nursing* uses four other distinctively designed features to help the reader categorize and retain essential information:

- **Key Features of Disease** highlight essential information about diseases and disorders such as risk factors and etiologies.
- **Nursing Research** features highlight pertinent nursing research articles and include a full reference citation, a description of the research, a critique of the research, and possible nursing implications. The emphasis is on cautious use of preliminary research findings. These features are the result of extensive literature searches, which revealed a great need for nursing research in many areas. To address this need, each Interventions chapter includes implications for research.
- **Client Care Plans** exemplify how to formulate an individualized plan of nursing care. Client Care Plans are provided for common clinical situations such as post-operative care of a client with a fractured hip. Client-oriented goals with measurable, observable outcomes are presented for each nursing diagnosis in the plan.
- **Guidelines** features highlight nursing interventions for clients in situations not warranting treatment as Client Care Plans.

Learning Objectives and lists of Prerequisite Knowledge items (topics for student review before studying each chapter) are included in a *Student Study Guide*.

Master outlines for Assessment and Interventions chapters can be found inside the cover, as can an alphabetical list of current NANDA-approved nursing diagnoses.

The Contents in Brief and Table of Contents in the front of the book and the Guide to Special Features and the Index/Glossary at the back of the book are indicated by tabs on the edges of the pages for easy access. The Index/Glossary features defined glossary terms and boldface entries for each nursing diagnosis as part of an exhaustive index.

Part of a Complete Teaching/Learning Package

Six companion publications complement *Medical-Surgical Nursing* to form a complete teaching/learning package. A *Student Study Guide* enables the reader to pretest understanding of textbook content before formal classroom testing and helps in preparation for state boards. The *Pocket Companion to Ignatavicius & Bayne's Medical-Surgical Nursing: A Nursing Process Approach* summarizes the essentials of the textbook in an easy-to-use, pocket-sized form—an invaluable resource in the clinical setting. A 2000-item IBM-compatible computer *Test Bank* coded for pretest material, and for testing of steps of the nursing process as they relate to text content areas, is available to instructors. To complement the computer *Test Bank*, instructors may wish to use the printed *Test Manual*, which is fully indexed and includes a selection of unlabeled illustrations from the textbook.

that can be photocopied and distributed to students for labeling as part of a pretest. An *Instructor's Manual* contains two versions of the Learning Objectives from the *Student Study Guide*. One version is annotated for the instructor; another appears without annotations and is printed on a separate page to be photocopied and distributed to students with or without modification. Prerequisite Knowledge items corresponding to those in the

Student Study Guide, teaching strategies, a list of instructional media, and a selection of case studies to be photocopied and assigned are also a part of the *Instructor's Manual*. A set of 100 transparencies and 200 transparency masters constitutes the *Transparencies to Accompany Medical-Surgical Nursing: A Nursing Process Approach*, which completes this comprehensive teaching/learning package.

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