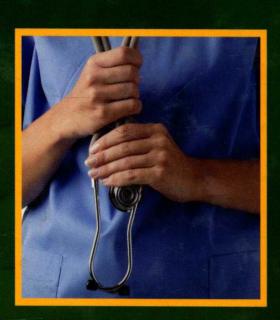
Introduction to Medical-Surgical Nursing

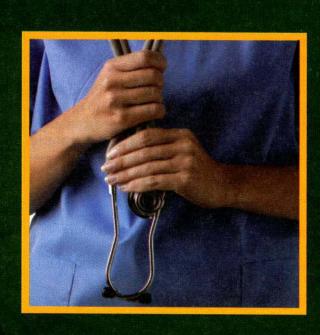
Linton



5th Edition

Introduction to Medical-Surgical Nursing

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5th Edition



3251 Riverport Lane St. Louis, Missouri 63043

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Dedicated to Ilze Rader, Robin Richman, Terri Woods, and Marie Thomas who believed in this textbook and saw it through the first four editions.

Adrianne Dill Linton

Acknowledgments

Writing, editing, illustrating, publishing, and revising *Introduction to Medical-Surgical Nursing* has been an effort involving many outstanding individuals. Grateful thanks to the staff of Elsevier for their great effort in seeing this edition through to completion. With the reassignment of LVN titles to the St. Louis office, Heather Rippetoe has worked to develop and carry this edition to publication with great skill and creativity. Other Elsevier supporters include Teri Hines Burnham, Executive Editor; Jamie Heberlein, Marketing Manager; Maggie Reid, Book Designer; Debbie Vogel, Production Services Manager; Ann Rogers, Senior Project Manager; and Johnny Gabbert, Project Manager.

I appreciate the patience and skill of the artists and photographers who produced the fine illustrations. They, along with the reviewers, ensured readability, accuracy, and timeliness of the manuscript. During the past decade, students and faculty who have used the text have offered suggestions that have been most helpful. Their feedback has always been welcome.

I wish the best to my colleague Dr. Mary Ann Matteson, who was co-author of the first two editions, as she continues to enjoy her retirement. Dr. Nancy Maebius continues to be a strong force in the development of this text and remains the author of the Study Guide. As an LVN educator, her insights and guidance are vital. I am grateful to the chapter contributors, who ensured accurate and current information, and to Allison Muller who updated the pharmacology companion, and the many other individuals involved in the development of the ancillary materials.

I must not overlook my family, who remained patient and encouraging as I immersed myself in this process once again. I want to express my appreciation to my husband, Ken, and to my daughter, Leigh, and son-in-law, Paul.

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To the Instructor

The first four editions of this text were designed to provide practical and vocational nursing students with accessible, comprehensive coverage of the nursing care of adults with disorders requiring medical, surgical, and psychiatric management. The needs of older adults and residents of nonacute care settings received special attention. The fifth edition has maintained that focus. To keep pace with the rapidly evolving field of nursing, we have added useful and exciting new features, many of which were suggested by instructors and students.

ORGANIZATION

Unit I explores patient care concepts, including the health care system, patient care settings, leadership, the nurse-patient relationship, cultural aspects of nursing care, the nurse and the family, health and illness, nutrition, developmental processes, the older patient, and the nursing process and critical thinking. Chapter one has been extensively revised to reflect the increased emphasis on quality and safety in health care. The 2010 Health Care Reform Bill received limited coverage as the implementation is pending as this text goes to press. Unit II focuses on physiologic responses common to many disorders: inflammation, infection, and immunity; imbalances of fluids and electrolytes; and pain. Unit III covers first aid and emergency care, shock, general care of the surgical patient, and intravenous therapy. Detailed coverage of cardiopulmonary resuscitation was removed because the guidelines are likely to change within the lifetime of a textbook. Therefore, the reader is referred to the American Heart Association for the latest guidelines. The in-depth coverage of topics in **Unit II** and **III** provides both a foundation for understanding many disorders and a scientific basis for many aspects of nursing care. This approach is efficient because conditions such as common electrolyte imbalances need not be explained repeatedly in the many situations in which they occur.

Acknowledging the important role the LPN/LVN plays in the care of older adults, **Unit IV** provides comprehensive coverage of four clinical problems (falls, incontinence, confusion, and immobility) as well as end-of-life care. The last of the introductory units, **Unit V**, takes a broad look at the nursing care of patients with cancer and patients with an ostomy. This overview creates a foundation for the student to build on when studying a variety of systems and disorders.

Units VI through **XVI** follow a systems approach to medical-surgical disorders. For each system, a thorough nursing assessment, age-related considerations, diagnostic tests and procedures, drug therapy, and other common therapeutic measures are discussed. Although complete assessment data are included, the specific role of the LPN/LVN in data collection for focused assessments is emphasized. Common therapeutic measures are intended not to replace a fundamentals text but, instead, to provide a limited summary or review of key aspects of nursing care. Specific aspects are covered, including pathophysiology, signs and symptoms, complications, diagnosis, and medical treatment. Unit XVII consists of three chapters that address psychosocial responses to illness, psychiatric disorders, and substance abuse. This unit can eliminate the need for a separate mental health nursing textbook.

KEY FEATURES

Introduction to Medical-Surgical Nursing has been enthusiastically received by both students and instructors. They told us which features were most helpful to them, and we listened.

Accessible Language

The text is straightforward and direct, avoiding the cumbersome third person. What's more, we have continued to improve consistency and to standardize the reading level throughout.

Key Terms with Phonetic Pronunciations

Complex medical, nursing, and scientific words can be tricky to understand and pronounce. A Key Terms list at the beginning of each chapter shows students how to pronounce important terms they may encounter as nurses. All phonetic pronunciations have been reviewed by a specialist in English as a Second Language (ESL). Key terms appear in color in the text and are defined.

Nursing Diagnoses, Goals, and Outcome Criteria

Nursing care is the heart of this text, which is organized according to the steps of the nursing process. For each major disorder covered, nursing diagnoses, goals, outcome criteria, and relevant interventions are presented. The nursing assessment is described, with an emphasis on data collected by the LVN/LPN.

Patient Teaching Plans

Patient and family teaching are emphasized throughout, with teaching plans presented in a special format. The patient teaching plans are intended not to be complete but, rather, to give the student some critical points to emphasize.

Diagnostic Tests and Procedures Tables

Each chapter dealing with a particular body system contains a table detailing specific diagnostic tests and procedures for selected nursing diagnoses.

Pharmacology Capsules

Important drug information, including drug actions, potential drug interactions, adverse effects, and nursing considerations are highlighted in these brief boxes within the text of each chapter.

Nutrition Considerations

A poor diet can affect a patient's health, but failing health can compromise a patient's nutritional status as well. Important nutrition-related topics are spotlighted at appropriate points throughout the text.

Put on Your Thinking Cap!

These questions, which appear in brief boxes throughout the text, invite students to take their reading a step further by thinking critically about the material and applying it to realistic scenarios.

Cultural Considerations

In our increasingly diverse culture, nurses must be comfortable working with patients of every conceivable ethnic and cultural background, religion, lifestyle, and sexual orientation. To help students see the connection between culture and care, a feature called What Does Culture Have to Do With ...? appears at relevant points in the chapter text. In addition, an entire chapter (Chapter 6: "Cultural Aspects of Nursing Care") explores transcultural nursing in detail.

Complementary and Alternative Therapies

Will taking St. John's wort interfere with my amitriptyline? Does echinacea really help prevent colds? Nurses hear these kinds of questions from patients every day. Our Consider the Alternative feature raises nurses' awareness of the herbal remedies, dietary supplements, and complementary and alternative therapies their patients are interested in and may be using.

Key Points

To succeed in the fast-paced world of health care, the nurse must be able to put it all together. Each chapter brings students a few steps closer by summarizing the most important points in a succinct, memorable way.

OTHER FEATURES

The fifth edition has been completely updated to include the latest developments in patient care and to present them in a way that is accessible to students at all levels. As instructors, we know that our students are concerned about preparing for the NCLEX-PN® examination. The following features were developed in response to the latest test plan—which, of course, reflects changes in the practice of nursing itself:

Drug Therapy Tables

Promising new prescription drugs are continually entering the marketplace, making this area of nursing practice more complex than ever. The NCLEX-PN® test plan reflects this new reality. Nurses need to be familiar with drug names, dosages, and routes of administration. Each body systems chapter includes a table that summarizes pharmaceutical options accurately and concisely. Emphasis is primarily on drug classes.

Multiple-Choice and Short Answer Review Questions

These are provided at the end of each chapter for immediate reinforcement of chapter content. Answers are located in the back of the book. Like NCLEX items, these questions are in multiple choice format with single and multiple correct answers as well as short answers. Items with more than one correct answer direct the student to "Select all that apply."

Legal and Ethical Considerations

The NCLEX-PN® test plan calls for a higher percentage of questions on legal and ethical issues, many of which fall into a category the plan refers to as "Coordinated Care." Chapter 3, "Legal and Ethical Considerations," explores the nurse's increasing responsibilities in areas such as patient confidentiality, informed consent, prevention of medical errors, and documentation.

Coordinated Care

The test plan also calls for emphasis on prioritizing and assigning tasks to nurse assistants, patient care technicians, and unlicensed assistive personnel. To help students sort out these sometimes perplexing issues, this edition of *Introduction to Medical-Surgical Nursing* includes Management and Supervision boxes in many chapters.

• Health Promotion Considerations

The NCLEX-PN® test plan calls for a renewed emphasis on health promotion and maintenance. Health Promotion Considerations boxes highlight wellness and disease prevention topics nurses need to know about.

Nursing Care Plans with Critical Thinking Questions

Sample nursing care plans illustrate how the text translates into a bedside tool for patient care. Focused

critical thinking questions at the end of each care plan allow the student to check his or her understanding of the concepts presented in the chapter and synthesized in the care plan. Answers are given in the Instructor's Resource Manual portion of the Instructor's Electronic Resource.

Updated Content Throughout

Instructors and students trust *Introduction to Medical-Surgical Nursing* because it has led the way in presenting innovative, accurate, up-to-date content. Every chapter has been updated and reviewed by content and clinical experts.

ANCILLARIES

FOR THE INSTRUCTOR

• Evolve Learning Resources

- ExamView Test Bank with NCLEX®-style questions and answers, separate test bank in Word for alternate-format questions, approximately 1700 questions total. Each question in the test bank includes topic, nursing process step, objective, cognitive level, correct answer, rationale, and text page number references
- PowerPoint Presentation (approximately 3300 slides)
- Audience Response Questions (3-5 questions per chapter to supplement the Powerpoint Presentation)
- Open-Book Quizzes (approximately 550 questions)
- Answers to Nursing Care Plan Critical Thinking Questions and Thinking Cap Questions
- Study Guide Answer Key
- Suggestions for Working with English as Second-Language Students
- Image Collection (all images in the textbook plus supplemental images from other Elsevier sources)

TEACH Online

- Lesson Plan Manual based on textbook chapter learning objectives
- Provides roadmap to link and integrate all parts of the educational package
- Available for adopters of the textbook

FOR STUDENTS

• Study Guide

Practical and student-friendly, this useful study guide, based on the textbook chapter objectives, is designed to help students master the content presented in the text. It includes the following:

- Learning Activities (including listing, matching, and labeling exercises) and Multiple-Choice Questions
- Text page references are included for each question
- Answers are included in the Instructor's Resource Manual

Virtual Clinical Excursions 3.0

This interactive workbook and CD-ROM package complements the textbook and guides students through a multi-floor virtual hospital in a true-to-life, hands-on clinical learning experience. Students can collect and analyze data to assist in making nursing diagnoses, planning interventions, prioritizing, and implementing and evaluating care. NCLEX-PN®–style review questions provide immediate testing of clinical knowledge.

Evolve Learning Resources

- Appendixes—Laboratory Reference Values and Helpful Phrases for Communicating in Spanish
- Animations
- Interactive Case Studies
- Dorland's Audio Dictionary
- Review Questions—NCLEX® Examination
- Review Questions—Prioritization and Delegation Exercises
- Pharmacology Tutorial

Contact your local Elsevier sales representative to request a copy of the Instructor's Electronic Resource.

We welcome suggestions and comments you may have concerning *Introduction to Medical-Surgical Nursing*, fifth edition, and its ancillaries. Please address your comments to the Nursing Editorial Department, Elsevier Inc., 3251 Riverport Lane, St. Louis, MO 63043.

LPN Threads and Advisory Board

Introduction to Medical-Surgical Nursing, fifth edition, shares some features and design elements with other Mosby and Saunders LPN textbooks. The purpose of these "LPN Threads" is to make it easier for students and instructors to incorporate multiple books into the fast-paced and demanding LPN curriculum.

The shared features in *Introduction to Medical-Surgical Nursing*, fifth edition, include the following:

- A reading level evaluation was performed on every manuscript chapter during the book's development.
- Cover and internal design similarities.
- Numbered lists of **Objectives** that begin each chapter.
- Key Terms with phonetic pronunciations and page number references at the beginning of each chapter.
 The key terms are printed in color.
- Health Promotion Considerations boxes highlight wellness and disease prevention topics.
- Coordinated Care boxes emphasize prioritization of tasks and assignment to nurse assistants, patient care technicians, and unlicensed assistive personnel.
- Drug Therapy Tables help familiarize nurses with drug classes including prototypes, major actions, side and adverse effects, and nursing considerations.
- Critical Thinking Questions throughout the text.
 Answers to the critical thinking questions are provided in the Instructor's Resource Manual component of the Instructor's Electronic Resource.
- Bulleted lists of Key Points at the end of each chapter.
- Multiple-Choice Review Questions at the end of each chapter. For easy access, answers are provided in the textbook.
- A Complete Bibliography list at the end of the text.
- A Glossary at the end of the text.
- A full suite of Intructor Resources is available, including TEACH Lesson Plans, Lecture Outlines, and PowerPoint Slides, Test Bank, Image Collection, NCLEX Review Questions, Prioritization and Delegation Questions, and Open-Book Quizzes.
- In addition to content and design threads, these LPN/LVN textbooks benefit from the advice and input of the LPN/LVN Advisory Board.

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To the Student

KEY FEATURES

Designed with the student in mind, *Introduction to Medical-Surgical Nursing*, fifth edition, has a visually appealing and easy-to-use format that will help you master medical-surgical nursing.

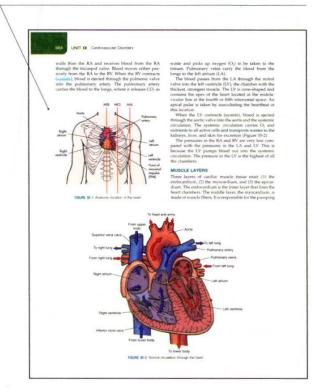
Following are some of the numerous special features and aids to help you as you study.

Objectives provide an overview of what students will learn from the chapter content.

Key Terms with phonetic pronunciations and page number references emphasize and clarify essential terminology.



Full-Color Design and Illustrations increase effectiveness of key concepts.



Patient Teaching Plans illustrate examples of individualized patient care using the nursing process.

Coordinated Care boxes help nurses prioritize tasks and assign them safely and efficiently.

Complementary and Alternative

Therapies boxes increase awareness of nontraditional approaches in today's health care settings.

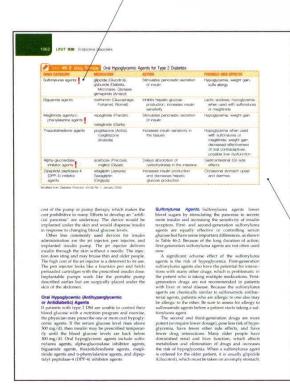


Nutrition Considerations emphasize the role nutrition plays in disease and nursing care.



NEW! Safety Alert Icon

indicate potential risks will carry over into clinical practice in the health care setting



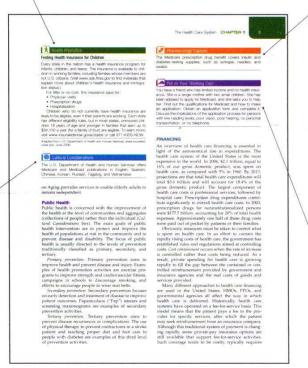
Health Promotion
Considerations boxes highlight
timely wellness and disease
prevention topics.

Pharmacology Capsules alert students to important precautions, interactions, and adverse effects of medications.

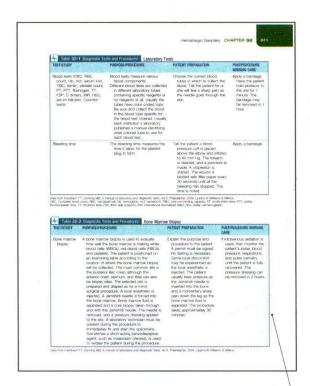
Cultural Considerations

provide essential knowledge to ensure individualized care of patients.

Drug Therapy tables in each systems chapter provide quick references to relevant drugs and tests.



Put on Your Thinking Cap boxes encourage analysis of content for application to clinical situations.



Diagnostic Tests and Procedures tables in each systems chapter provide quick references to relevant drugs and tests.



Nursing Care Plans with Critical Thinking Questions at the end of each care plan encourage students to synthesize key concepts.

Answers are given in the Instructor's Electronic Resource.

Key Points reinforce important information in each chapter.



Multiple-Choice Review
Questions test knowledge of the chapter content.

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