High-Acuity Nursing
Seventh Edition

Kathleen Dorman Wagner, EdD, MSN, RN
Faculty Emerita, University of Kentucky College of Nursing
Lexington, Kentucky

Melanie G. Hardin-Pierce, DNP, RN, APRN, ACNP-BC
Associate Professor of Nursing, University of Kentucky College of Nursing
Lexington, Kentucky

Darlene Welsh, PhD, MSN, RN
Associate Professor of Nursing, University of Kentucky College of Nursing
Lexington, Kentucky
About the Authors

**Kathleen Wagner, EdD, MSN, RN,** is now faculty emerita, having recently retired from the University of Kentucky College of Nursing after many years of teaching pathophysiology, pathopharmacology, and high-acuity nursing to undergraduate nursing students. She was also the educational consultant for the Undergraduate Nursing Program at the University of Kentucky. She has a doctorate in instructional systems design and continues to work on a team developing Web-based clinical simulations for nursing students.

**Melanie Hardin-Pierce, DNP, RN, APRN, ACNP-BC,** is a tenured associate professor in the University of Kentucky College of Nursing, where she has over 30 years of experience as a critical care nurse and has taught high-acuity nursing to undergraduate and graduate nursing students. She currently teaches in the Doctor of Nursing Practice program and is the Coordinator of the Adult Geriatric Acute Care Nurse Practitioner DNP Option. In addition to teaching, she has been active in curriculum development in both baccalaureate and graduate nursing programs. She earned her Doctor of Nursing Practice degree at the University of Kentucky, having studied oral health in mechanically ventilated patients. She is a board-certified acute care nurse practitioner who practices as a critical care intensivist in the Veterans Health Administration Medical Center, Cooper Drive Division, Lexington. She is active in research of critically ill, mechanically ventilated patients; evidence-based practice; and interdisciplinary collaboration.

**Darlene Welsh, PhD, MSN, RN,** is Associate Professor, BSN Program Director, and Assistant Dean of Undergraduate Faculty Affairs at the University of Kentucky College of Nursing. Dr. Welsh earned a PhD in Educational Psychology and an MS in Nursing from the University of Kentucky. Her experiences in the care of critically ill patients include direct patient care, the conduct of research, and supervision of undergraduate and graduate students. Her research interests center on the provision of dietary instruction for patients with heart failure and interprofessional education for clinicians.
We extend a heartfelt thanks to our contributors and reviewers, who gave their time, effort, and expertise to the development and writing of this new edition of our book.

**Contributors**

**Jill Arzouman, DNP, RN, ACNS, BC, CMSRN**  
Director of Professional Practice  
Banner University Medical Center  
Tucson, Arizona  
Chapter 1, High-Acuity Nursing  
Chapter 2, Holistic Care of the Patient and Family

**Susan K. Bohnenkamp, MS, RN, ACNS-BC, CCM**  
Clinical Nurse Specialist  
Banner University Medical Center  
Tucson, Arizona  
Chapter 30, Alterations in White Blood Cell Function and Oncologic Emergencies

**Pamela Branson, MSN, RN**  
Clinical Nurse Specialist  
University of Kentucky  
Lexington, Kentucky  
Chapter 23, Alterations in Liver Function (with Melanie Hardin-Pierce)  
Chapter 34, Determinants and Assessment of Oxygenation (with Melanie Hardin-Pierce)

**Elizabeth Burckardt, DNP, ACNP**  
Department of Pulmonary and Critical Care Medicine  
University of Louisville  
Louisville, Kentucky  
Chapter 38, Multiple Organ Dysfunction Syndrome (with Melanie Hardin-Pierce and Kathleen Dorman Wagner)

**Heather L. Carlisle, PhD, DNP, RN-BC, FNP-BC, AGACNP-BC, CHPN**  
Clinical Assistant Professor  
University of Arizona College of Nursing  
Tucson, Arizona  
Chapter 3: Palliative and End-of-life Care

**Jennifer Cowley, MSN, RN**  
Senior Lecturer  
University of Kentucky College of Nursing  
Lexington, Kentucky  
Chapter 25, Determinants and Assessment of Fluid and Electrolyte Balance  
Chapter 26, Alterations in Fluid and Electrolyte Balance

**Alexandra Dampier, DNP, APRN, NP-C, NRCME**  
Instructor  
University of Kentucky College of Nursing  
Lexington, Kentucky  
Chapter 29, Alterations in Red Blood Cell Function and Hemostasis (with Angela Hensley)

**Margaret M. Ecklund, MS, RN, CCRN-K, ACNP-BC**  
Clinical Nurse Specialist  
Legacy Health  
Portland, Oregon  
Chapter 6, Nutrition Support  
Chapter 7, Mechanical Ventilation

**Nancy R. Eksterowicz, MSN, RNBC, APN2**  
Clinical Nurse, Pain Resource Nurse  
University of Virginia Hospital  
Charlottesville, Virginia  
Chapter 5, Acute Pain Management

**Julianne M. Evers, DNP, RN, CCRN**  
ICU Intensivist  
Norton HealthCare  
Louisville, Kentucky  
Instructor  
University of Kentucky College of Nursing  
Lexington, Kentucky  
Chapter 37, Shock States (with Melanie Hardin-Pierce)

**Stephanie Fugate, MSN, ARNP, ACNP-BC**  
Instructor  
University of Kentucky College of Nursing  
Lexington, Kentucky  
Chapter 27, Alterations in Kidney Function
Sarah E. Lester, DNP, APRN, FNP-C, CNRN
Neurosciences Clinical Nurse Specialist
University of Kentucky
Lexington, Kentucky
Chapter 16, Determinants and Assessment of Cerebral Function
Chapter 19, Traumatic Brain Injury

Theresa Loan, APRN, PhD, FNP-BC
Professor
Department of Baccalaureate and Graduate Nursing
Eastern Kentucky University
Richmond, Kentucky
Chapter 13, Determinants and Assessment of Cardiac Function

Samantha Mancuso, DNP, RN, APRN, AG-ACNP-BC, CCRN
University of Kentucky Medical Center
Lexington, Kentucky
Chapter 31, Determinants and Assessment of Nutrition and Metabolic Function
Chapter 32, Metabolic Responses to Stress (with Samantha Mancuso)

Angela C. Muzzy, RN, MSN, CCRN, CNS-BC
Clinical Nurse Specialist
Tucson Medical Center
Tucson, Arizona
Chapter 9, Basic Cardiac Rhythm Monitoring

Grace Nolde-Lopez, RN, MS, ANP-BC
Craig Hospital
Englewood, Colorado
Chapter 20, Acute Spinal Cord Injury

Maureen E. Krenzer, MS, RN, ACNS-BC
Clinical Nurse Specialist
Chair, Pain Resource Nurse Committee
Rochester General Hospital
Rochester, New York
Chapter 24, Alterations in Pancreatic Function

Kathleen Dorman Wagner, EdD, MSN, RN
Faculty Emerita
University of Kentucky College of Nursing
Lexington, Kentucky
Chapter 33, Diabetic Crises
Chapter 38, Multiple System Dysfunction (with Elizabeth Burckardt and Melanie Hardin-Pierce)
Darlene Welsh, PhD, MSN, RN
Associate Professor of Nursing
University of Kentucky College of Nursing
Lexington, Kentucky
Chapter 8, Basic Hemodynamic Monitoring
Chapter 14, Alterations in Cardiac Function
Chapter 15, Alterations in Myocardial Tissue Perfusion
Chapter 18, Acute Stroke Injury
Chapter 28, Determinants and Assessment of Hematologic Function
Chapter 39, Solid Organ and Hematopoietic Stem Cell Transplantation

Maria D. Willey, DNP, APRN, NP-C, FNP-BC, AGACNP-BC
Brooke Army Medical Center
San Antonio, Texas
Chapter 11, Determinants and Assessment of Pulmonary Function

Accuracy Reviewer
Rachel Kinder, PhD, RN
Associate Professor
Western Kentucky University
Bowling Green, KY

Reviewers
Melissa A. Bathish, PhD, RN, CPNP-PC
Research Area Specialist/Lecturer/Student Resolutions Officer
University of Michigan School of Nursing
Ann Arbor, Michigan

Maureen J. Dunn, RN, MSN
Nursing Instructor
Pennsylvania State University
Sharon, Pennsylvania

Antoinette France, MSNed, CCRN, RN
Salt Lake Community College
West Jordan, Utah

Sarah Gabua, DNP, RN, CNE
Full-time Faculty
Aspen University
Denver, Colorado

Deola Hardy, MSN, RN
RN Faculty
Baton Rouge General School of Nursing
Baton Rouge, Louisiana

Laura Logan, MSN, RN, CCRN
Nursing Faculty
Critical Care Clinical Instructor
Stephen F. Austin State University
Nacogdoches, Texas

Peter Miskin, DHSc, MScN, RN, PHN, CMSRN
Nursing Instructor
De Anza College
Cupertino, California
Adjunct Assistant Professor
Samuel Merritt University
Oakland, California

Diane Mulbrook, MA, BS
Assistant Professor of Nursing
Mount Mercy University
Cedar Rapids, Iowa

Bridget Nichols, RN, MSN, CCRN
Nurse Educator
The University of South Dakota
Sioux Falls, South Dakota
Avera Heart Hospital
Sioux Falls, South Dakota

Joan E. Niederriter, PhD, MSN, CMSRN, RN-BC
Associate Professor
Cleveland State University
Cleveland, Ohio

Jan Paauwe-Weust, DNP, RN
Assistant Professor in Nursing
Indiana State University School of Nursing
Terre Haute, Indiana

Joan Palladino, EdD, RN
Professor, Chair of the Department of Nursing
Western Connecticut State University
Danbury, Connecticut

Jill Price, PhD, MSN, RN
Dean, RNBSN Online Option
Chamberlain College of Nursing
Downers Grove, Illinois
Thank You

Kristiann T. Williams, DNP, APRN, FNP-C
Associate Professor
Weber State University
Ogden, Utah

Maurita Wisniewski, MSN, RN, CCRN
Ohio Valley Hospital
McKees Rocks, Pennsylvania

Kerrie Young, RN, MSN, CCRN
Nursing Instructor
Amarillo College
Amarillo, Texas
Preface

When the first edition of High-Acuity Nursing was published in 1992, the term high acuity was largely confined to leveling patient acuity for determining hospital staffing needs rather than being applied to a type of nursing care or education. Since that time, the meaning of the term has been evolving to increasingly represent a distinct category of nursing that denotes care of complex patients outside of the critical care setting. For the purposes of this textbook, we continue to define high acuity in a way that is consistent with our original intent—that it represents a level of patient problems beyond uncomplicated acute illness on a health–illness continuum.

The high-acuity nurse cares for complex patients with unpredictable outcomes across care settings (to include critical care). Today, high-acuity patients are found in many healthcare settings, from high-skill, long-term-care facilities to critical care units. The patient population is older and faces an increased number of health issues upon entering the healthcare system. Hospitalized patients are being discharged earlier, often in a poorer state of health. In the home health setting, nurses provide care to patients with mechanical ventilators, central venous catheter lines, IV antibiotic therapy, and complicated injuries. Whereas critical care units are considered specialty areas within the hospital walls, much of the knowledge required to work within those specialties is generalist in nature. It is this generalist knowledge base that is needed by all nurses who work with patients experiencing complex care problems to ensure competent and safe nursing practice.

New to This Edition

The seventh edition of the book has been revised based on feedback from faculty and students.

- All chapters have been updated, and many have been reorganized and expanded.
- A new chapter focusing on palliative care and end-of-life issues has been added.
- New features that address Quality and Safety and Genetic Considerations have been added where appropriate.
- Posttest items have been revised to reflect changes in content and are written using NCLEX style.
- Emerging Evidence features have been updated.

Purpose of the Text

The High-Acuity Nursing text delivers critical information focusing on the adult patient, using learner-focused, active learning principles, with concise language and a user-friendly format. The book’s design breaks down complex information into small, discrete chunks to assist learners in mastering the material. Self-testing is provided throughout the text, with short section quizzes and chapter post-tests. All answers to the section review quizzes are provided to give learners immediate feedback on their command of section content before proceeding to the next chapter section.

The chapters in this book focus on the relationship between pathophysiology and the nursing process with the following goals in mind:

- To revisit and translate critical pathophysiological concepts pertaining to the high-acuity adult patient in a clinically applicable manner
- To examine the interrelationships among physiological concepts
- To enhance clinical decision-making skills
- To provide immediate feedback to the learner regarding assimilation of concepts and principles
- To provide self-paced learning

Ultimately, the goal is for the learner to be able to approach patient care conceptually, so that care is provided with a strong underlying understanding of its rationale.

This book is appropriate for use in multiple educational settings, including for undergraduate nursing students, novice nurses, novice critical care nurses, and home health nurses. It also serves as a review book for the experienced nurse wanting updated information about high-acuity nursing for continuing education purposes. Hospital staff development departments will find it useful as supplemental or required reading for nursing staff or for high-acuity or critical care classes.

Organization of the Text

The book is divided into ten parts: Introduction to High-Acuity Nursing, Therapeutic Support of the High-Acuity Patient, Pulmonary, Cardiovascular, Neurologic, Gastrointestinal, Fluid and Electrolytes, Hematologic, Nutrition and Metabolism, and Multisystem Dysfunction.
Preface

Part One: Introduction to High-Acuity Nursing is composed of four introductory chapters with topics that apply across high-acuity problems, including an introduction to high-acuity nursing and the care of high-acuity patients, and important considerations when caring for the high-acuity older adult. Part Two: Therapeutic Support of the High-Acuity Patient is composed of six chapters that focus on supportive interventions, including pain management, nutrition support, mechanical ventilation, hemodynamic monitoring, basic cardiac rhythm monitoring, and complex wound management. Parts Three through Ten cover topics that represent the more common complex health problems, assessments, and treatments associated with high-acuity adult patients.

All chapters contain Learning Outcomes, Section Review questions, and Chapter Review questions. Most chapters include Clinical Reasoning Checkpoint exercises. Each chapter is divided into small sections that cover one facet of the chapter’s topic (e.g., pathophysiology or nursing management), and each section ends with a short self-assessment review quiz. Key words are bolded throughout the chapters to indicate glossary terms defined in the textbook’s Glossary. Parts Three through Ten are composed of two different types of chapters: Determinants and Assessment chapters and Alterations chapters.

DETERMINANTS AND ASSESSMENT CHAPTERS Each part begins with an overview of normal concepts that provide a solid foundation for understanding the diseases being presented. Normal anatomy and physiology are reviewed, and relevant diagnostic tests and assessments are profiled. The therapeutic support and disease-focused (Alterations) chapters draw heavily on the normal concepts, diagnostic tests, and assessments covered in their corresponding Determinants and Assessment chapters.

ALTERATIONS CHAPTERS Following each Determinants and Assessment chapter is a series of organ- or concept-specific chapters that focus on a single topic area. The majority of Alterations chapters are based on body systems (e.g., Chapter 12, Alterations in Pulmonary Function) and include the pathophysiology, assessments, diagnostic testing, and collaborative management of disorders commonly seen in high-acuity adult patients. Several Alterations chapters focus on complications of high-acuity illness, such as multiple organ dysfunction syndrome and sensory motor complications of acute illness. The pathophysiologic basis of disease is emphasized in this textbook, based on the belief that strong foundational knowledge about the basis of disease improves learner understanding of the associated disease manifestations and rationales for treatment.

Summary

This text focuses on major problems and therapies frequently encountered in high-acuity patients. It is not designed as a comprehensive textbook of adult medical-surgical or critical care nursing. The book’s format reduces the learner’s sense of being overwhelmed by complex information. Learners are more apt to feel in command of the concepts, giving them the confidence to proceed to more complex concepts.

The seventh edition of High-Acuity Nursing has maintained the overall look and feel of the previous editions, with some valuable changes. Although the seventh edition has been updated and is offered in eText format as well as print, we have not compromised our interactive approach. The ultimate goal of this book continues to be to enhance the preparation of nurses for practice in today’s healthcare settings.

Acknowledgments

With any publication, several years of sweat and tears go into its development. To our Executive Portfolio Manager, Pam Fuller, and our Development Editor, Pam Lappies, thank you so much for your patience, diligence, sense of humor, and work ethic—the book would have never made it to fruition without your hard work and guidance. It has been a true pleasure to work with you! To our Content Producer, Bianca Sepulveda, our Portfolio Management Assistant, Erin Sullivan, and our Project Manager at Aptara, Sudip Sinha, thank you all for your efforts and hard work. We would also like to warmly acknowledge the wonderful work of our Accuracy Reviewer, Dr. Rachel Kinder, PhD, RN, whose meticulous scrutiny of the information in the book chapters made our work much easier and significantly enhanced the quality and accuracy of the book. Warm thanks goes to Dr. Kathy Wagner for her mentorship and unwavering support in this “book business” and for inviting Darlene and Melanie to be part of High-Acuity Nursing.

Finally, our warm thanks also to our Chapter Review item writer, Pamela Fowler, who significantly added to the value of the tests.

In memory of a colleague, mentor, and friend, Pam Kidd, RN, PhD, ARNP, CEN, who died too soon and with Kathy coedited High-Acuity Nursing from its inception, we say her passion for teaching, warmth, and wit are deeply missed.

Kathleen Dorman Wagner
Melanie G. Hardin-Pierce
Darlene Welsh
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