

RESPIRATORY CARE

ACADEMIC CATALOG 2017

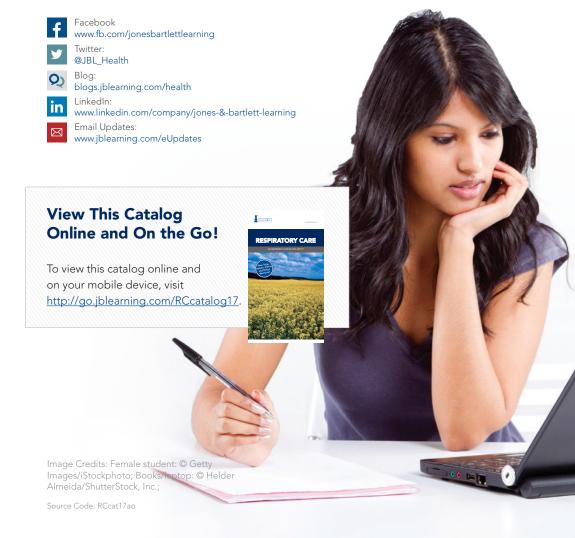


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NEW AND FORTHCOMING TITLES

Crowley's An Introduction to Human Disease, Tenth Edition		
Informatics for Health Professionals	13	
Leadership for Health Professionals, Third Edition	18	
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PP = Presentations in PowerPoint Format

SL = Sample Syllabus

TB = Test Bank

TG = Transition Guide

WA = Web Assign

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WL = Weblinks

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Respiratory Care

Principles and Practice THIRD EDITION

INCLUDES NAVIGATE 2 ADVANTAGE ACCESS

Dean R. Hess, PhD, RRT, FAARC Neil R. MacIntyre, MD, FAARC William F. Galvin, MSEd, RRT, CPFT, AE-C, FAARC.

Shelley C. Mishoe, PhD, RRT, FAARC

With contributions from over 75 of the foremost experts in the field, the third edition of bestselling Respiratory Care Principles and Practice represents the very best in clinical and academic expertise. Taught in leading respiratory care programs, it continues to be the top choice for instructors and students alike. The Third Edition includes numerous updates and revisions that provide the best foundational knowledge available as well as new, helpful instructor resources and student learning tools.

Respiratory Care: Principles and Practice, **Third Edition** incorporates the latest information on the practice of respiratory care into a well-organized, cohesive, readerfriendly guide to help students learn to develop care plans, critical thinking skills, strong communication and patient education skills, and the clinical leadership skills needed to succeed. This text provides essential information in a practical and manageable format for optimal learning and retention. Including a wealth of student and instructor resources, and content cross-referencing the NBRC examination matrices, Respiratory Care: Principles and Practice, Third Edition is the definitive resource for today's successful respiratory care practitioner.

KFY FFATURES

- Content restructured and expanded specifically for the anatomy and physiology of respiratory, cardiac, renal, and neural systems
- Expanded, revised, and enhanced resources for students and instructors
- · More than 580 photos and illustrations, and more than 300 tables and equations

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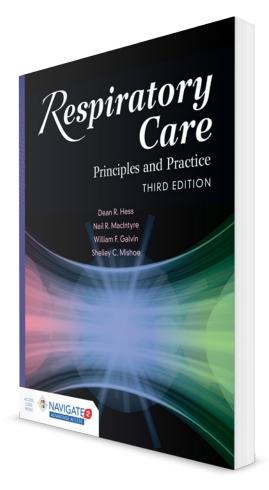
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🛈 Instructor Resources: CG, DQ, IB, IM, PP, SL, TB, TG

Student Resources: NVA

Additional Formats: Kindle, Vitalsource, Chegg

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NEW AND ENHANCED TOPICS

- Extracorporeal Life Support for Respiratory Failure
- Respiratory Anatomy
- Respiratory Mechanics
- Control of Breathing
- · Cardiovascular, Renal, and Neural Anatomy and Physiology

CHAPTER FEATURES

- · Chapter Outline
- Learning Objectives include topics covered on the NBRC Content Outline
- Key Terms
- Boxed Features:
- Respiratory Recap-review of key study points for core content
- Stop and Think-provides an opportunity for critical thinking
- Age-Specific Recaps-pediatric/neo-natal or geriatric focused
- Case Studies
- Equations
- Clinical Practice Guidelines
- Key Points
- · References

Navigate 2 Advantage Access for Respiratory Care Principles and Practice

THIRD EDITION

An access code that unlocks a comprehensive and interactive eBook, student practice activities, animations, assessments, a full suite of instructor resources, and learning analytics reporting tools.

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- eBook Graded Quizzes (600 questions)
- Study Tools
- Interactive Flashcards
- Interactive Glossary
- Practice Activities (465 questions)
- · Case Studies
- · Key Image Review
- Discussion Questions
- Assessment Quizzes (600 questions)
- Midterm Exam (50 questions)
- Final Exam (100 questions)

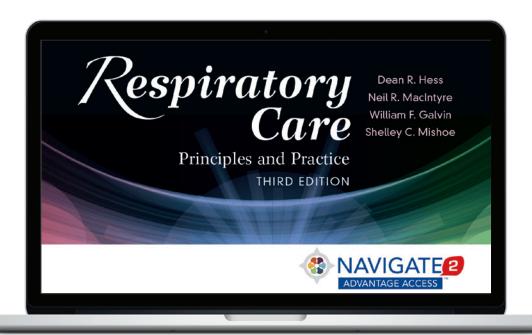
INSTRUCTOR TEACHING TOOLS

- Instructor's Manual
- Transition Guide
- · Conversion Guide
- Sample Syllabus
- · Slides in PowerPoint format
- Test Bank



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Respiratory Care

Patient Assessment and Care Plan Development

INCLUDES NAVIGATE 2 ADVANTAGE ACCESS

David C. Shelledy, PhD, RRT, RPFT, FAARC, FASAHP

Jay I. Peters, MD

Respiratory Care: Patient Assessment and Care Plan Development describes the purpose of patient assessment and then guides students through the process of reviewing existing data in the medical record, conducting the patient interview, performing the physical assessment, and finally evaluating the diagnostic studies needed and implementing a respiratory care plan. Bridging the gap between patient assessment and treatment, the reader will learn how to apply critical diagnostic thinking and assessment skills to the development and implementation of appropriate, evidence-based respiratory care plans.

KEY FEATURES

- Content needed to pass the National Board for Respiratory Care entry level and advanced respiratory care examinations is included throughout
- Clinical Focus: Exercises designed to help refine critical thinking and problem-solving skills serve as mini case studies which pose questions to readers so they can apply essential concepts to real-world scenarios
- *RC Insights!*: Interspersed throughout the text, these tips provide the clinician with useful information on patient assessment and management
- Key Points: Listed at the conclusion of each chapter, these recaps summarize important facts and concepts and can serve as a powerful study tool
- Chapter Objectives, Chapter Outlines, Key Terms, hundreds of full-color illustrations, photos, tables, boxed articles, and notes are incorporated into each chapter for enhanced student learning

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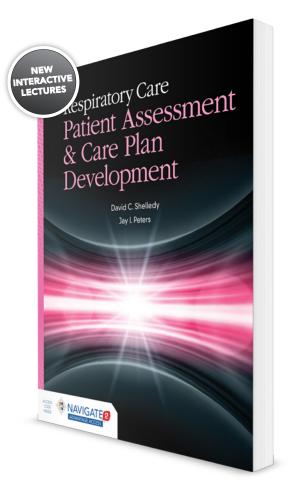
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Instructor Resources: IB, SL, PP, TB

Student Resources: NVA

Additional Formats: Kindle, Vitalsource, Chegg

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- · Key Image Review
- Discussion Questions
- · Animated Flashcards



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Equipment for Respiratory Care

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Teresa A. Volsko, MHHS, RRT, FAARC Robert L. Chatburn, MHHS, RRT-NPS, FAARC Mohamad F. El-Khatib, MD, PhD, MBA, RRT

Equipment for Respiratory Care is changing the paradigm of historic respiratory care equipment books. Focusing on the principles of the equipment and then concluding with in-depth discussion and practical solutions to complex problems, this focus on the clinical application of patient care enhances key critical thinking skills with clear explanations of the features of the equipment as well as the way it functions.

KEY FEATURES

- New Approach: Emphasis on clinical application rather than engineering technical detail to drive critical thinking
- Case Studies present scenarios and assessment items so students can apply their knowledge to real-life situations
- Logical Approach: Provides an easy-to-use, logical approach to tackling clinical or patient and technical problems
- *Illustrations From the User's Point of View:*These help focus the learner on how the operator needs to interact with the equipment
- Follows AARC Clinical Practice Guidelines

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⊙ Instructor Resources: AE, AK, CS, IB, LE, SL, PP, TB, WK, WL

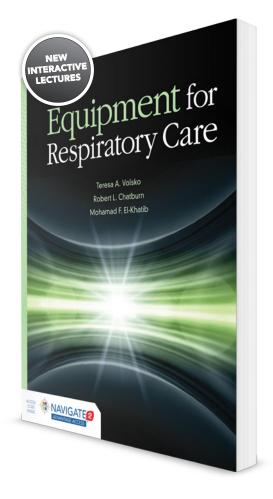
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- Worksheets
- · Key Image Review

Crowley's An Introduction to Human Disease

Pathology and Pathophysiology Correlations

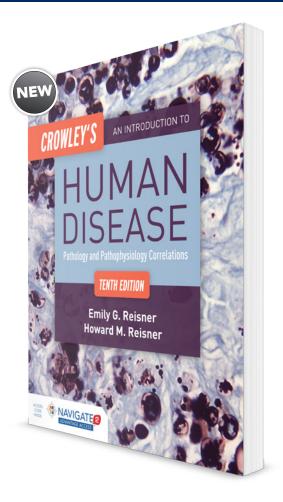
TENTH EDITION

INCLUDES NAVIGATE 2 ADVANTAGE ACCESS

Emily Reisner, PhD, Howard Reisner, PhD

Updated and reorganized to provide a more accessible, student-friendly experience, *Crowley's An Introduction to Human Disease, Tenth Edition* provides readers with a clear, well-illustrated explanation of the structural and functional changes associated with disease, the clinical manifestations of disease, and how to determine treatment. The first chapters of the text discuss general concepts and diseases affecting the body as a whole. Later chapters consider the various organ systems and their diseases.

- Navigate 2 Advantage Access with complete eBook, Animations, Case Studies and more
- New art and photos of diseases
- Expanded coverage of pathophysiology and manifestation of diseases throughout the text
- New information on inflammation and repair, a core concept which can be challenging for students





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Introduction to **Human Disease**

Pathophysiology for Health **Professionals**

SIXTH FDITION

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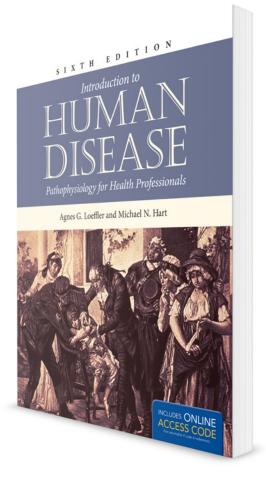
Agnes G. Loeffler, MD, PhD Michael N. Hart, MD

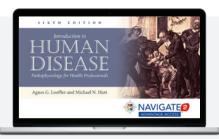
Introduction to Human Disease: Pathophysiology for Health Professionals, Sixth Edition provides a broad overview of the most common and important human diseases for students pursuing careers in the health professions. Comprehensive, yet accessible, it addresses the aspects of disease epidemiology, diagnosis, and treatment that are essential to clinical practice.

This popular text has been updated to cover the latest advances in medical knowledge and practice, especially with regard to mental health and nutritional orders. It also includes additional clinical information on treatments for diseases.

KFY FFATURES

- Provides a comprehensive introduction to the essential aspects of human disease
- Covers the most common and important human diseases, including mental illnesses
- · Facilitates learning with chapter objectives, key terms, and practice questions
- · Includes more than 400 full-color illustrations, photos, and tables
- Now Includes Navigate 2 Advantage Access





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Informatics for Health Professionals

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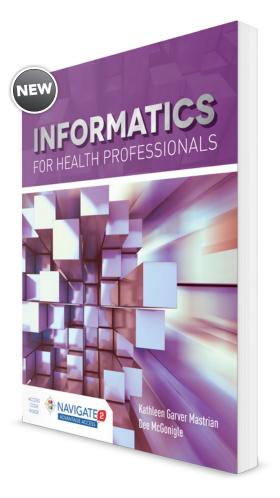
Kathleen Mastrian, PhD, RN, Dee McGonigle, PhD, RN, CNE, FAAN, ANEF

Informatics for Health Professionals is an excellent resource to provide healthcare students and professionals with the foundational knowledge to integrate informatics principles into practice.

The theoretical underpinning of this text is the Foundation of Knowledge model, which explains how informatics relates to knowledge acquisition, knowledge processing, knowledge generation, knowledge dissemination, and feedback. Once readers understand informatics and the way in which it supports practice, education, administration, and research, they can apply these principles to improve patient care at all levels.

KEY CONTENT AREAS:

- · Technology Trends
- Information Security Advances
- · Health Information Exchanges
- Care Coordination
- Transition Technologies
- · Ethical and Legislative Aspects
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- Bioinformatics
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Student Resources: NVA

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A New Paradigm for Respiratory Care Education

A Comprehensive, Online 10-Course Curriculum That Uniquely Prepares Students for a Rewarding Career as a Respiratory Therapist

COURSE FEATURES:

- Course objectives are correlated to the National Board for Respiratory Care (NBRC) matrix for Certified Respiratory Therapist (CRT), Registered Respiratory Therapist (RRT) and Clinical Simulation Examination (CSE) certification exams
- Authoritative and interactive content is instructionally designed using best practices from Bloom's
 Taxonomy and adult learning theory with a focus on developing cognitive intelligence and
 practical skills needed for success in clinical practice
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- Course management tools help instructors save time and monitor student progress
- Each 3-credit Course is presented in 15 lessons and consists of 30 to 40 contact hours

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- "The Cardiovascular Module helped me a lot with the heart flows in different defects."
- "I feel that [Navigate Respiratory Care] helped me expand my knowledge base and reinforced what I had already learned."
- "[Navigate Respiratory Care] is some type of reinforcement. [It] saves you hours of reading through books and notes."
- *96% of students agreed that Navigate Respiratory Care helped them prepare for exams more efficiently*

COURSE CONTENT

- Interactive Lectures with Audio
- Correlation Matrix
- Interactive Practice Activities
- Practice Quizzes
- · Lesson Case Study

- Discussion Questions
- · Lesson Assignment
- Icons to Highlight Important Information
- Lesson Summary



NAVIGATE RESPIRATORY CARE COURSE LIST

NAVIGATE RESPIRATORY CARE: CARDIOPULMONARY ANATOMY & PHYSIOLOGY

ISBN-13: 978-1-4496-7214-0

Cardiopulmonary Anatomy & Physiology examines the interaction among the body systems that affect respiration. It first covers cardiopulmonary anatomy and the circulatory systems that transport oxygen to the cells of the body. After examining oxygen transport in detail, the course covers diffusion and ventilation. Included are the other body organs and systems that are part of or affect respiration.

NAVIGATE RESPIRATORY CARE: PATIENT ASSESSMENT »

ISBN-13: 978-1-4496-7215-7

Patient Assessment introduces the student to all aspects of the patient encounter. The information ranges from the soft skills needed to achieve fruitful communication to the technical skills needed to perform all the tasks of patient assessment. The material attempts to help the student understand the various types of people they will encounter on the job, how to be successful in their interactions, and how to be competent in all required tasks.

NAVIGATE RESPIRATORY CARE: FOUNDATIONS OF RESPIRATORY CARE »

ISBN-13: 978-1-4496-7963-7

Foundations of Respiratory Care introduces the students to the basic science they will need to function as respiratory therapists. The course starts with the metric system—the measurement system of health care—and continues through math and physics. The physical and mechanical laws that form the foundation of respiratory care are examined in detail. Lastly, chemistry, microbiology, and research and statistics round out the foundational science needed in the respiratory care program.

NAVIGATE RESPIRATORY CARE: PHARMACOLOGY »

ISBN-13: 978-1-4496-7213-3

Pharmacology covers this fundamental aspect in the treatment of respiratory disease. This course familiarizes students with the basic subsections of pharmacology. It covers pharmacodynamics and pharmacokinetics in detail and informs the student about types of respiratory medications, their use, precautions, and indications. The course also discusses the education of patients about medications and their

NAVIGATE RESPIRATORY CARE: **EQUIPMENT & PROCEDURES** »

ISBN-13: 978-1-4496-7964-4

Equipment & Procedures introduces the many types of equipment used in respiratory care and how to use them in clinical practice. It discusses various procedures that respiratory therapists will need to perform as well as safety and infection control to be used in any patient contact.

NAVIGATE RESPIRATORY CARE: MECHANICAL VENTILATION »

ISBN-13: 978-1-4496-7965-1

Mechanical Ventilation encompasses the knowledge

and understanding of the equipment, procedures, complications, indications, and weaning of mechanical ventilation. The student is guided step-by-step through indications for mechanical ventilation; how to initiate it; how to monitor various body systems while the patient is on mechanical ventilation; how to adjust it; and how to wean the patient. Specialty ventilators are covered for the therapist who is going to work on special cases or in home care.

NAVIGATE RESPIRATORY CARE:

CARDIOPULMONARY PATHOPHYSIOLOGY »

ISBN-13: 978-1-4496-7966-8

Cardiopulmonary Pathophysiology reviews the pathophysiology of respiratory disease. The lessons are separated by disease with each lesson discussing etiology, diagnosis, treatment, and outlook. Some of the diseases will be encountered frequently but this course also prepares the student for rarer disorders that they may treat in the future.

NAVIGATE RESPIRATORY CARE:

CARDIOPULMONARY DIAGNOSTICS »

ISBN-13: 978-1-4496-7967-5

Cardiopulmonary Diagnostics covers the full range of cardiopulmonary indicators. Blood and hematology are discussed in sufficient detail for the respiratory therapist to understand how test results indicate potential problems. The diagnostics of imaging the cardiopulmonary system is presented as is the ECG and its findings. In addition to other related tests, the student examines interventional cardiopulmonary procedures.

NAVIGATE RESPIRATORY CARE: **NEONATAL & PEDIATRIC CARE »**

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Neonatal and Pediatric Care provides the student with a full understanding of the special needs of neonates, infants, and children, including the conditions and diseases they face and the procedures necessary to the survival of this fragile population. Several lessons concentrate on the respiratory conditions of prematurity, how they are treated and managed, and the outcomes. The infant and pediatric population is prone to certain respiratory diseases that must be treated as acute or managed as chronic.

NAVIGATE RESPIRATORY CARE: **SPECIAL TOPICS & SPECIALTIES** »

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Special Topics & Specialties covers topics that the respiratory therapist will use throughout his or her career. Ethical and legal considerations will play a role in how the therapist handles patients and interacts with the healthcare team. The special topics are nutritional support, exercise for the respiratory patient, disaster management, home care, polysomnography, basic life support, ACLS, care of the elderly, end-of-life care, communication skills, the career of respiratory therapy, and the evolving role of the respiratory therapist.

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Comprehensive Respiratory Therapy Exam Preparation Guide

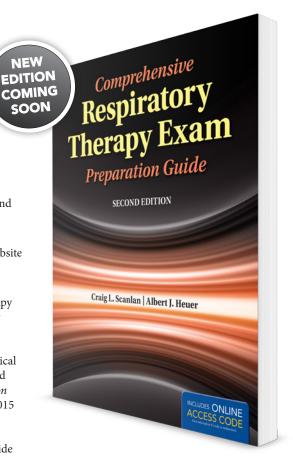
Second Edition

Craig L. Scanlan, EdD, RRT, FAARC **Albert J. Heuer**, PhD, RRT, RRT, RPFT

The Ultimate Review Guide for the CRT, RRT, and CSE Exams!

Continuous Up-to-date NBRC Examination Guidelines and Correlations on Companion Website

Comprehensive Respiratory Therapy Exam Preparation Guide, Second Edition is a comprehensive study guide for respiratory therapy students and graduates of accredited respiratory therapy education programs who are seeking to take the Certified Respiratory Therapist (CRT), Registered Respiratory Therapist (RRT), or Clinical Simulation Exam (CSE) from the National Board for Respiratory Care (NBRC). The Second Edition is reflective of the current CRT and RRT, CSE 2015 exam matrix and authored by experts who take the credentialing exam annually, so you can be confident that the content and format of this guide is current!



KFY FFATURES

- Comprehensive coverage and review of competencies
- End-of-chapter questions and answers with explanations
- · Extensive guidance on study and test-taking skills
- · Specific advice on making good answer choices and avoiding bad ones
- Hundreds of summary tables and illustrations
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- Navigate Companion Website

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NAVIGATE COMPANION WEBSITE

The Navigate Companion Website provides a wealth of information to help students prepare to take the National Board for Respiratory Care (NBRC) credentialing exams addressing the Certified Respiratory Therapist (CRT) Exam, Registered Respiratory Therapist (RRT) Exam, and the Clinical Simulation Exam (CSE). We are pleased to provide these online resources to support classroom education.

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Respiratory Therapy Exam Review

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Navigate TestPrep: Respiratory Therapy Exam Review is a dynamic, online program designed to help respiratory therapy students and graduates of accredited respiratory therapy education programs who are seeking to take the Certified Respiratory Therapist (CRT), Registered Respiratory Therapist (RRT), or Clinical Simulation Exam (CSE) credentialing exams from the National Board for Respiratory Care (NBRC).

This Web-based, interactive program provides over 2900 exam-style practice questions with answers and explanations for review and study. Test-takers can also complete a full 200-question final exam and view instant feedback for each question, as well as an overview of results at the end of the exam. The questions review key topics including cardiopulmonary anatomy & physiology, patient assessment, pharmacology, equipment & procedures, mechanical ventilation, cardiopulmonary pathophysiology, cardiopulmonary diagnostics, neonatal & pediatric care, and more!

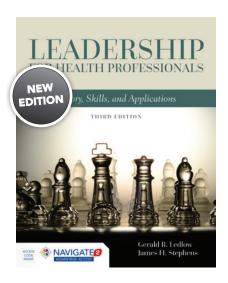
KFY FFATURES

- Content mapped to the NBRC exam matrix
- · 150 quizzes by subject area
- 2914 multiple choice questions
- Ability to choose questions from selected topic areas to create a 200-question practice exam
- Randomized final exam also includes 200 questions

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Leadership for Health Professionals

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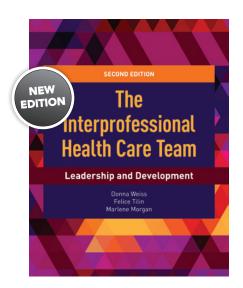
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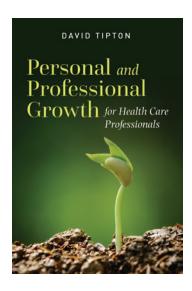
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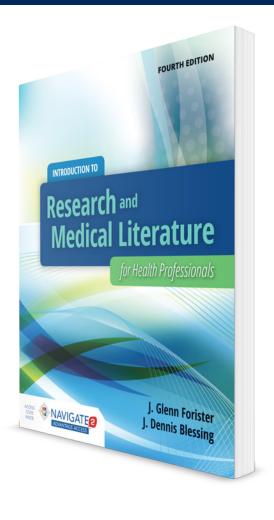
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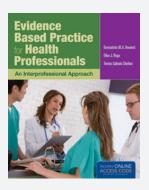
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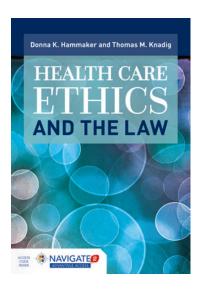
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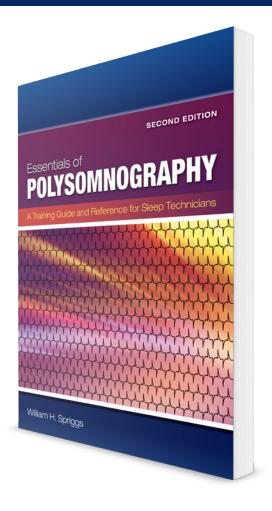
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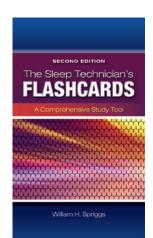
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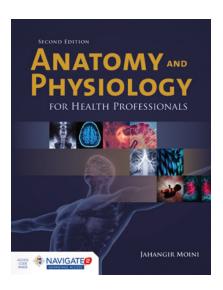
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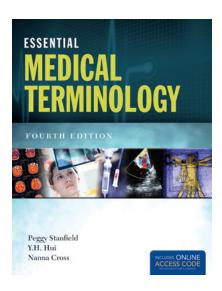
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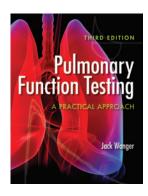
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A Practical Approach

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Jack Wanger, MSc, RRT, RPFT

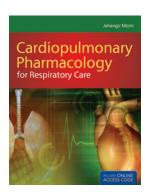
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Asthma

A Clinician's Guide

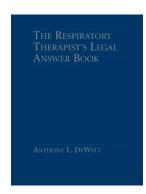
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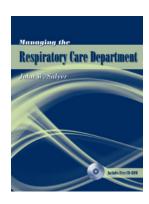
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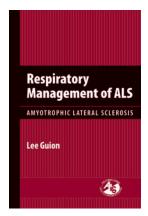
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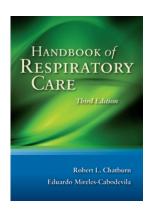
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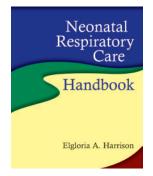
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