Specifically designed for future healthcare providers who will diagnose, manage, and prescribe.

This advanced physiology and pathophysiology text is designed to address the specific learning needs of future nurse practitioners, physician assistants, and other advanced healthcare providers caring for patients across the life span.

Focusing on practical applications of physiology, it facilitates in-depth understanding of important pathophysiological concepts as they relate to major disorders commonly seen in clinical practice and includes comprehensive pediatric and geriatric considerations. This knowledge is crucial to providing the foundation required to be an informed and confident clinical decision maker.
MEET THE EDITORS

Nancy C. Tkacs
PhD, RN

Dr. Tkacs has been teaching pathophysiology for advanced nursing practice for over 25 years, drawing on her knowledge of organ systems physiology and pathophysiology to provide a strong basic science foundation for advanced nursing practice. She has taught the course most recently at the University of Pennsylvania and University of Southern California.

Linda L. Herrmann
PhD, RN, ACHPN, AGACNP-BC, GNP-BC, FAANP

Dr. Herrmann is a clinical assistant professor at New York University Rory Meyers College of Nursing and nurse practitioner with expertise in gerontology, neuroscience, and palliative care. She teaches advanced pathophysiology and aging at the graduate level.

Randall L. Johnson
PhD, RN

Dr. Johnson is an associate professor of nursing at the University of Tennessee Health Science Center. He is also a pediatric critical care nurse practitioner and has taught pathophysiology in both undergraduate and graduate degree programs.

“We dedicate the book to our students who have asked such great questions through the years. You inspire us to do all we can to provide detailed, yet understandable explanations of the pathophysiological phenomena underlying advanced clinical practice.”

Focuses on core concepts to provide a flexible foundation to adapt for instructor/program needs

Empowers students to think critically and prepares them for pharmacology and future clinical courses

Prepares students with concepts and vocabulary to learn how to learn about new diseases

Addresses WHY patients present with symptoms

Bridges science to clinical practice, & includes robust pediatric and gerontological considerations
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Case Studies throughout provide real-life scenarios to help connect pathophysiological concepts to clinical presentations.

Pediatric and Gerontological Considerations provide essential life span coverage.

Richly illustrated to demonstrate principles of health and disease.
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This text is accompanied by an Instructor’s Manual and comprehensive bonus resources, including:

- Bridge to Clinical Practice sections link pathophysiological concepts to clinical practices of assessment and management.
- Thought Questions require students to reflect on the section they have just read, recall facts, and use higher-level thinking to apply what they have learned.

Thought Questions:

1. What is the “big picture” of the role of the immune system in maintaining homeostasis?
2. What are the general principles involved in protection provided by the innate and adaptive immune systems?

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