

# PHYSIOLOGY CASE STUDIES IN PHARMACY

Laurie Kelly McCorry

Using more than 80 brief, straightforward case studies that represent key body systems, *Physiology Case Studies in Pharmacy* helps students of pharmacy and other health professions apply basic physiological principles. Each case includes a set of questions to pave the way for learning and review.

This book fills an important niche in demonstrating the integrative role of physiology, pathophysiology, and pharmacy in patient care. Although these case studies are examples, not true life, they capture the real world that practicing pharmacists and other health care professionals work in every day.

## HIGHLIGHTS

- Designed as a supplemental text for courses in physiology and pathophysiology, with 82 concise cases in cellular physiology; nerve cell function; the nervous system, including the brain, spinal cord, pain, and autonomic nervous system; the endocrine system; muscle physiology; and the cardiovascular, respiratory, digestive, renal, and immune systems.
- Provides insights into disorders ranging from the common cold to chronic renal failure—including asthma, atrial fibrillation, diabetes, gastritis, hemophilia, hypertension, hyponatremia, and iron-deficiency anemia. Also covers activities such as endurance training and aerobic exercise.
- Cross references to link disorders that affect more than one body system.
- Questions following each case to help instructors and students focus on key learning points.
- Separate answer key in pdf file available to instructors upon request
- Appendix describing diagnostic tests mentioned in the case studies—from angiography to vital signs—including the test's purpose and reference ranges.
- Ten-page glossary with short, easy-to-understand definitions of clinical terms students may not already know.

## ABOUT THE AUTHOR

Laurie Kelly McCorry, PhD, associate professor of physiology at the Massachusetts College of Pharmacy and Health Sciences, has developed keen insights into the instructional needs of students over two decades of teaching. An author with a gift for clear examples and explanations (publications include *Essentials of Human Physiology for Pharmacy*, 2004), McCorry has taught all aspects of physiology, from introductory and advanced courses to exercise physiology and pathophysiology.



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CELLULAR PHYSIOLOGY

NERVOUS SYSTEM

ENDOCRINE SYSTEM

MUSCLE PHYSIOLOGY

CARDIOVASCULAR SYSTEM

RESPIRATORY SYSTEM

DIGESTIVE SYSTEM

RENAL SYSTEM

IMMUNE SYSTEM

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