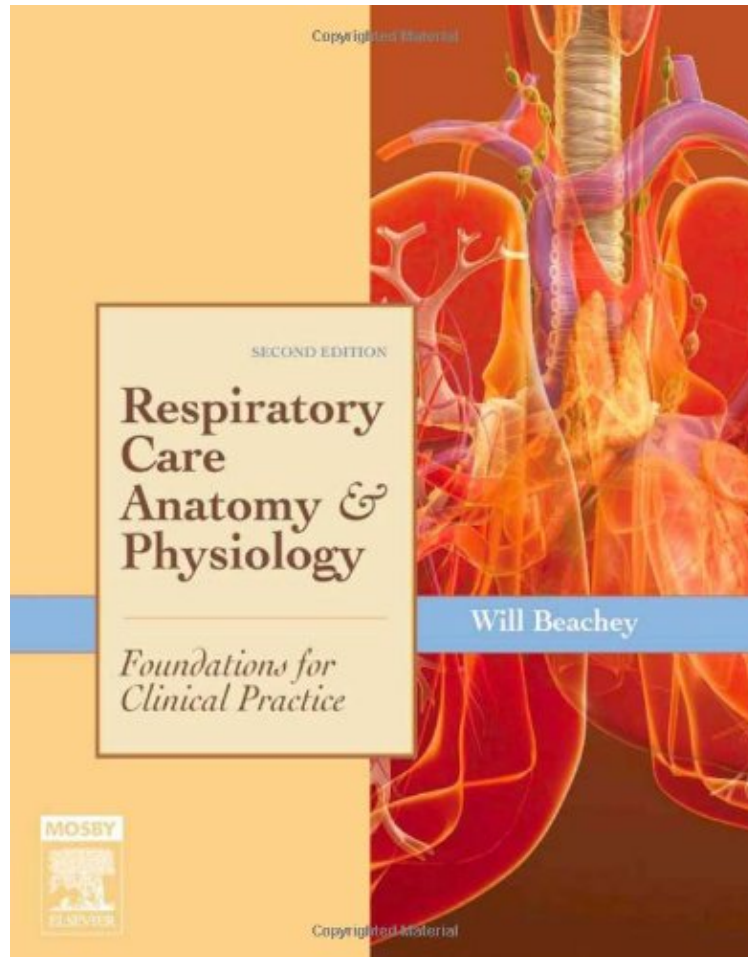


(Mobile book) Respiratory Care Anatomy and Physiology: Foundations for Clinical Practice, 2e
(Respiratory Care Anatomy Physiology)

Respiratory Care Anatomy and Physiology: Foundations for Clinical Practice, 2e (Respiratory Care Anatomy Physiology)

Will Beachey PhD RRT FAARC

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Will Beachey PhD RRT FAARC : Respiratory Care Anatomy and Physiology: Foundations for Clinical Practice, 2e (Respiratory Care Anatomy Physiology) before purchasing it in order to gage whether or not it would be worth my time, and all praised Respiratory Care Anatomy and Physiology: Foundations for Clinical Practice, 2e (Respiratory Care Anatomy Physiology):

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This book situates learning in a clinical context to help students adopt thinking patterns that practicing healthcare professionals use. Learning in context gives students of respiratory therapy and related health professions a particularly relevant foundation for clinical practice. Explanations of physiological mechanisms underlying the benefits of common therapeutic, diagnostic, and monitoring procedures are unique to this text. This kind of knowledge is essential to the clinician in developing a rational plan of care. This book is for respiratory therapists and other health professionals involved in cardiac and respiratory care. Clinical Focus scenarios situate the subject matter in a patient care setting and are integrated throughout each chapter. Thought provoking Concept Questions interspersed throughout the text invite students to reflect on their learning. Learning objectives and an annotated list of key terms appear at the beginning of each chapter, with key terms defined at their first mention in the text. Bulleted "Points to Remember" list at the end of each chapter helps readers review key "take home" points. The interdependence of the pulmonary, cardiovascular, and renal systems in oxygenation and acid-base regulation are explored in depth. The interpretation of physiological data is emphasized, including hemodynamic values, blood gases, respiratory gases, blood electrolytes, electrocardiograms, pulmonary function tests, and breathing mechanisms. The physiological basis for therapeutic, diagnostic, and monitoring procedures is made explicit. A new chapter on Physiological Basis for Oxygenation and Lung Protective Strategies explains the ways in which normal physiology is affected by disease processes, and how specific respiratory techniques can be of benefit. A new chapter on Fetal and Newborn Cardiopulmonary Physiology explores these areas of fetal development and the normal transition to adult circulation and oxygenation, as well as the effects of prematurity on the lungs. A new chapter on Effects of Aging on the Cardiopulmonary System focuses on the effects of aging on the cardiopulmonary system and on response to exercise. New, separate chapters on Filtration, Urine Formation, and Fluid Regulation and Electrolyte and Acid-Base Regulation break down this difficult subject matter in manageable presentations. Offers increased coverage of cardiac enzymes and abnormalities in myocardial infarction and physiological rationale for current pharmacological interventions -not found in any other physiology textbook. Expanded coverage of asthma topics provides more information regarding abnormal airway physiology and autonomic nervous system anatomy and physiology in relation to asthma.

This second edition is a must have. It is well written and the author goes to great lengths to present traditionally difficult material in easy to understand concepts. This book is highly recommended and would be a valued resource in any medical or college/university library. Susan A Trombley, AAS, RRT, Doody Service I found the authors writing style succinct and easy to read. I think this textbook should be useful adjunct for students in reparatory therapy programs that use problem-based learning, and for clinicians interested in learning more about the physiologic basis of respiratory care. J M Cairo PhD, RRT, FAARC Respiratory Care - December 2008 About the Author Professor and Director Respiratory Therapy Program