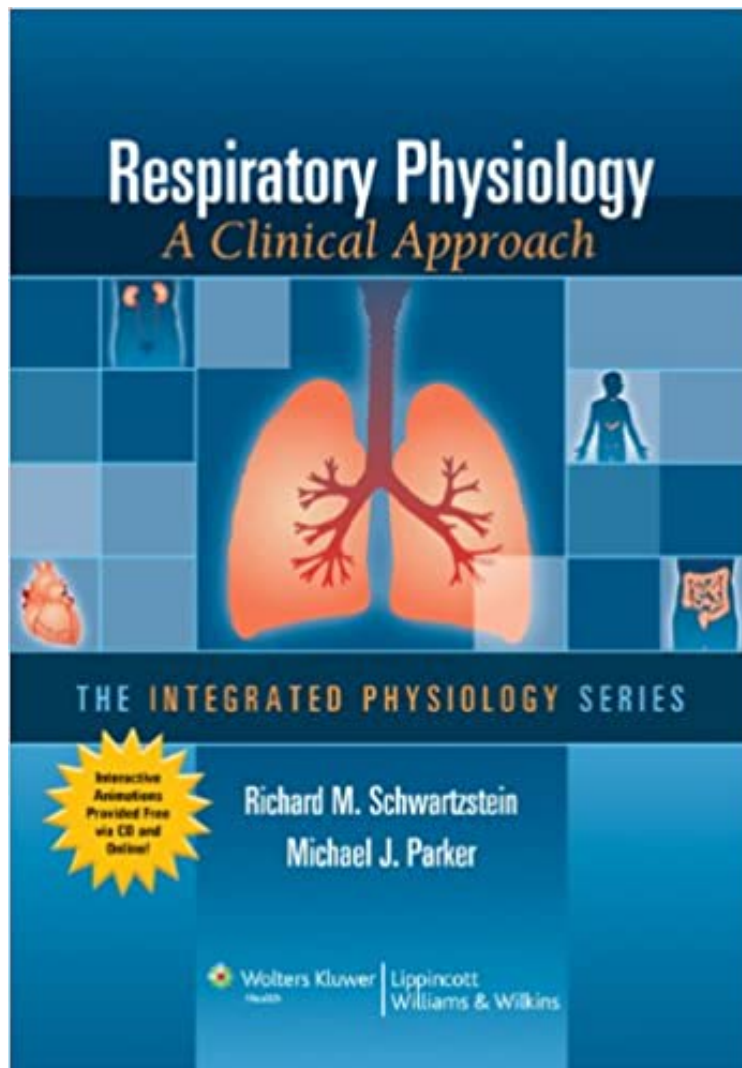


# Respiratory Physiology: A Clinical Approach (Integrated Physiology)

by

Matthias Hofer



EBOOK DOWNLOAD

## Synopsis

Respiratory Physiology: A Clinical Approach offers a fresh new take on learning physiology in a systems-based curriculum. This book won the 2006 Dr. Frank H. Netter Award for Special Contributions to Medical Education, and Dr. Schwartzstein is a 2007 recipient of the Alpha Omega Alpha Distinguished Teacher Award from the Association of American Medical Colleges. Written by renowned and dynamic educators and featuring interactive animations, the book integrates functional anatomy, physiology, and pathology to build a conceptual understanding of respiratory system function. Emphasis is on elements of respiratory physiology that are crucial to understanding and managing clinical problems. A suite of 39 interactive animations accompanies the book. Sample animations can be viewed online: [Respiratory Physiology: A Clinical Approach](#) offers the following features: Writing style is clear, concise, reader-friendly, and conversational. A unique approach shows students how material fits together in the context of the respiratory system. Clinical correlations are integrated throughout the book to emphasize the application of knowledge to medical practice. Interactive animations are provided via accompanying CD and free student access on the Web. The animations illustrate clinical concepts described in the book, so students can actually see the effects of physiologic changes. Thought Questions are placed throughout each chapter to make learning more interactive, requiring students to test their ability to integrate the information presented. "Putting It Together" sections use clinical scenarios to highlight key concepts covered in the chapter. These sections appear at the end of each chapter. Special chapters unique to this type of monograph are featured, such as "Form and Function," "Respiratory Sensations," and "Exercise Physiology: A Tale of Two Pumps."

## Sort review

Dartmouth Medical School, Second year medical student -- "I did find the textbook by Schwartzstein to be very good review of 1st year respiratory physiology (why that is not the recommended text is beyond me - as it is much better than the one we were told to buy last year). Doody's Book Review Service, 24-JUN-08, Steven J. Hamick, BIS, RRT, AE-C, William Beaumont Hospitals -- "Description: This clinically oriented book covering the essentials of respiratory physiology is the first in a series on physiology." Purpose: The authors use a systems-based approach to present physiology. An emphasis on the functions associated with breathing rather than just the lungs themselves is apparent. It is written in an interactive style that both engages and challenges readers. The authors have exceeded their objectives." Audience: The book is written primarily for medical, nursing, and allied health students with little exposure to respiratory physiology, but residents will also find this a valuable resource in clinical practice. The authors are experts in their respective fields." Features: The book covers a plethora of information from components of the respiratory system, the ventilatory pump, the physics of flow,

volume, and pressure with all their formulas, gas exchange, ventilation and perfusion, ventilatory control, acid/base physiology, respiratory sensations and exercise physiology. Each chapter begins with an outline followed by learning objectives. The text is brilliantly written in conversational style to hold the attention of the reader. Clinically based "Thought Questions" are sprinkled throughout for the reader to reflect on previously read material. Key terms are boldfaced upon their first appearance in a chapter and are found in the glossary. Illustrations and figures illustrate key concepts while tables and "Quick Checks" provide summaries of information outlined in the book. At the end of each chapter is a section called "Putting It Together," which is a clinical case presentation designed to challenge the reader to apply newly learned material in a clinical situation. Each chapter ends with "Summary Points" and USMLE style review questions that test the reader's mastery of the material.

"Assessment: This is an outstanding book. It is so well written and the layout is so well done that it takes difficult to understand concepts and breaks them down into easy to understand language for the reader. This is a must-have book for health professionals and should be a required text in all respiratory therapy programs."--Doody's Book Review Service (Rating: 5 Stars) Respiratory Care, 01-OCT-06, Volume 51, Issue 10, Marcy F. Petrini, PhD -- "The emphasis is on what the clinical student needs to know (or review) to deal with a patient's problem on hand. The authors have succeeded admirably in their goals. Four sections complete each chapter: the "Putting It Together" sections give clinical vignettes, followed by physiologic explanations. The "Summary Points" are bulleted lists of the major concepts covered in the section. Then a section provides the answers to the "Thought Questions." Concluding each chapter is a section of review questions, the answers to which are at the end of the book. Short of being in a classroom with the authors, this approach is the best and longest-lasting. The accompanying CD-ROM very cleverly displays the most important principles."--Respiratory Care Doody's Book Review Service, 24-JUN-08, Steven J. Respiratory Care, 01-OCT-06, Volume 51, Issue 10,

[Download to continue reading...](#)

Pathophysiology of Heart Disease: A Collaborative Project of Medical Students and Faculty  
Blueprints Neurology (Blueprints Series) NMS Surgery Casebook (National Medical Series for  
Independent Study) Blueprints Pediatrics (Blueprints Series) Lange Clinical Neurology and  
Neuroanatomy: A Localization-Based Approach

## What people say about this book

Ebook Library Reader, "Recommended. Highly recommended if you read older textbooks and have difficulty grasping the concepts. The language, the clinical examples, thought questions and CD really helps one to understand some of the more difficult but basic concepts in respiratory physiology. Will put the reader in good state to on to understand advanced concepts and explain them."

Irene Cortes, "Best respiratory physiology book. This is the BEST respiratory physiology book that you will ever have. I teach physiology and I feel that this book is unique, both for teachers and students. Very comprehensive, it teaches you how to think so that the concepts become easy to deduce, understand and apply."

jaref, "Five Stars. really good at helping you understand the concepts!"

Ebook Library Reader, "Five Stars. Very pleased!"

Ebook Library Reader, "All you need to understand the lungs. This book is phenomenal! It is a concise, clear and interesting introduction (and beyond) to pulmonary physiology. Each chapter includes clinical vignettes, indicating the relevance of the topics and thought questions as well as review questions test your understanding of the concepts (well written, detailed answers are provided too! I hate texts that don't provide answers to the questions they pose). These days it seems that all you need to do to publish a book is include a CD... and so lots of texts are now accompanied by useless CDs. But the CD included with this book is actually useful. The interactive figures that correspond to the concepts discussed in the book really bring to life what is being discussed (a good thing, because in general the lungs are moving as we breath). I would highly recommend this book as the main go-to for lung physiology."

J. A. Fernandez M.D., "The best book I've ever read. The best book in this area. It has everything you need to know in respiratory physiology and some basic principles are also useful in cardiovascular physiology. The organization is perfect, the thought questions and the questions at the end of each chapter are very well elaborated, you need to think to answer them and apply what you have read, not just memorization. The writing style is also very good, conversational. And I don't have words to describe the CD, is also perfect, the animations are extremely helpfull. If all medical books were organized like this book, no one would need to go to medschool. ATTENTION! The CD does not work on Windows Vista."

a reader, "The best visuals. S&P is a lot more than just a book. I bought it because it was a recommended text for our class, but I had no idea I would be getting a whole web site that goes with the book. For most of the books I buy, the CD is pretty worthless with some junk pictures,

but this book has a web site with diagrams where you can do things like adjusting O<sub>2</sub> and CO<sub>2</sub> levels or shunting percentage and see what happens. The picture actually changes right there in front of you! It's like having a little lab to illustrate the book topics, and the book even tells you how to use the diagrams and what cases to try. I'm a visual learner so this is where it's at for me. I wish they had the same thing for renal physiology."

Harold L. Manning, "A fabulous book. This is truly a great textbook. I have been involved in the teaching of respiratory physiology and pathophysiology for years, and this book fills a longstanding need -- a concise, clearly written book that illustrates the application of physiology to the understanding of clinical medicine. A series of "thought questions" engage the reader and encourage one to THINK about the material. The text comes with a CD that has beautiful animated and interactive figures that help illustrate essential concepts in a way that usual textbook figures cannot. I highly recommend this book to medical students, residents, fellows, and anyone else who wants to improve their understanding of how the respiratory system works."

Emilija Spasovska Zlatkov, "Extra quality. Everything is as expected."

The book by Matthias Hofer has a rating of 5 out of 4.7. 26 people have provided feedback.

## **Book Information**

Language: English

Paperback: 256 pages

Item Weight: 1 pounds

Dimensions: 7 x 0.5 x 10 inches

[DMCA](#)