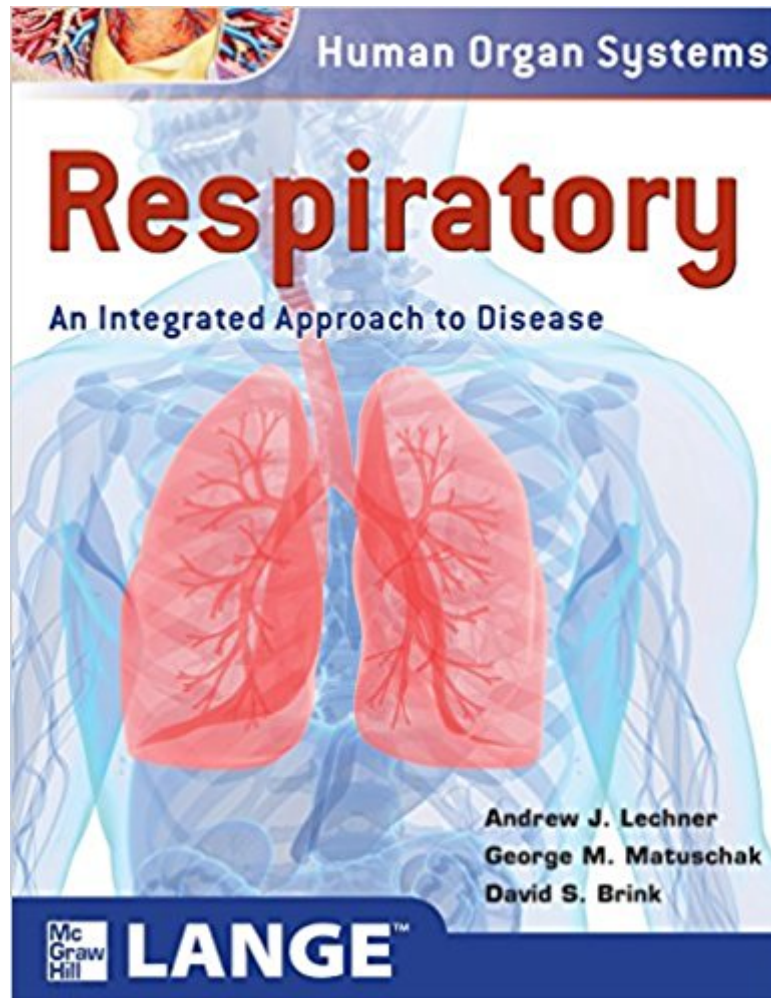




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# Respiratory: An Integrated Approach To Disease (LANGE Basic Science)



## Synopsis

An innovative, organ-specific text that blends basic science with the fundamentals of clinical medicine Part of the Human Organ Systems series, *Respiratory: An Integrated Approach to Disease* skillfully bridges the gap between the science and practice of medicine. This beautifully illustrated book seamlessly integrates the core elements of cell biology, anatomy, physiology, pharmacology, and pathology with clinical medicine. It is the perfect companion for medical students transitioning to their clinical years, as well as for practicing physicians who need a user-friendly update on the basic science underlying the practice of clinical medicine. Features and highlights include: Detailed learning objectives clearly state learning goals Key concepts are emphasized in every chapter The latest developments in the field are incorporated throughout the text Numerous high-quality illustrations with detailed legends clarify important or difficult concepts Clinical Correlations highlight the clinical implications of basic science Each chapter is accompanied by an annotated bibliography to enhance the learning experience and provide an overview of the critical literature in the field End-of-chapter case-based questions with detailed explanations reinforce important concepts and assess understanding of the material A valuable Glossary of common phrases, terms, abbreviations, and acronyms

## Book Information

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## Customer Reviews

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Professor of Internal Medicine Program Director, Internal Medicine Division of Nephrology School of  
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I wish all my modules in medical school had a book as focused on fundamentals as this one. I'm going to give my personal critique of the book, then leave some relevant history / extras for the later portion of my review. This book takes literally everything about respiratory and draws it down to the most basic mechanics. It is absolutely comprehensive in its treatment of respiratory physiology. It has some occasionally frustrating errors / quirks in its diagrams (mathematical brackets aren't always used correctly), but that's to be expected in a first edition. I'm currently studying for step 1 right now, and I find that going back through the book for understanding / concept review is easy and enjoyable, due to the clinical correlations, multiple diagrams, and general focus on fundamentals. If you are buying a textbook for a respiratory course, I don't know how you could do any better than this book. Everything is explained down to the basic math. For those reviewing for step 1, this is the book you'll be going to when you need a concise explanation of any given concept in First Aid. Again, I wish I had this book's organization and detail for every single one of my modules. History: My point of view is that of a second year medical student at SLU; we used this book for our respiratory module during the first year of its release. I also happen to be the elected representative of the students to the curricular management committee, so my perspective on the book will likely be unique. Dr. Lechner spent a number of years on the item development committee for the Step 1. He's no stranger to the concepts tested on the boards, and anything board-relevant at all is explained in detail, making his book a rather excellent resource for referencing, I'm finding. This book has received a few negative reviews from my classmates--reviews that I fear are more negative perceptions of the course than of the book. Dr. Lechner's respiratory course is one of the most difficult in the first two years due in large part to its focus on the mastery of the underlying physics of respiration and gas behaviors, both of which are covered and reinforced thoroughly in the book, and pounded into our temporal cortices ad nauseum in the course. This, however, is one of the things that makes the book so strong--it draws literally everything about respiratory physiology down to the most basic science, constantly reinforcing understanding of the fundamentals. While I would never suggest this book as a primary step 1 review resource, that's because it wasn't written as a review resource--that'd be like reading the entirety of Robbins for step 1 review. It was written to take second year medical students from any given level of proficiency with math or physics and instill a deep understanding of the mechanics of respiration, and it does that job admirably.

Well organized. Thorough and up to date.

in great condition

This is a great source for learning all respiratory basics at once. Dr. Lechner offers a comprehensive approach to the anatomy, histology, physiology, and pathology of the respiratory system, and has fantastic chapters on clinical guidelines and treatments. If you are trying to learn only what is needed for Step 1, this book is too detailed and I would recommend a more concise and directed BRS book. But really, for a first pass through the respiratory system, it is hard to find all of the necessary information in one book, so Dr. Lechner and his colleagues did well. There are number of grammatical and clerical errors throughout, as is common in 1st editions. This didn't really bother me, but I am not a perfectionist. There is a great emphasis on math equations in the physiology chapters that are helpful for understanding difficult physiology concepts. In summary: Would recommend for a 1st pass through respiratory but not as a review source.

This is a great book if you want to learn everything you will ever need to know about the respiratory system- especially if you have never been exposed to this material before. Obviously this will be too indepth for those students only reviewing for the USMLE.

I found that this book was a great way to learn about the respiratory system. The author did a nice job explaining concepts concerning pulmonary physiology and pathology. The figures in the book helped clarify several topics for me. I also found that the problems at the end of the chapters were helpful in testing my knowledge. I only wish there were more of these problems. As a "non-math" person, I found that the math problems at the end of the chapters were extremely helpful; the explanations given for each problem gave me a good idea as to how to use these equations. I was successful in my medical school respiratory class with this book, and I would recommend it to other medical students.

Respiratory: An Integrated Approach to Disease by Lechner, Metuschak, and Brink is an excellent resource for medical students. This text integrates epidemiology, anatomy, physiology, and pathology with a clinical perspective. It was a great supplementary resource to our school's curriculum. We both plan on using it to study for the boards as well. The text explained difficult

concepts well and without too much extra detail. We felt the authors did a good job balancing the amount of text with figures and images. We both actually enjoyed reading this book. The tables summarized important information and reviewing them a few days before our exam was VERY helpful. In addition, the figures were fantastic. The design of the book is one of the best we have seen. The case studies and practice problems were helpful as well. We are both second year medical students, with two very different styles of studying, and we both agree that this book was a must-have for any respiratory system.

This book is impractical from a medical student standpoint; it certainly is not a book to read for the big picture or for clinically relevant information. Even as a book for a pulmonary PhD student, I find this text to be too dense and wordy: it overuses symbols and often fails to explain things in full.

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